



INTERNATIONAL CONGRESS 2019

MADRID Spain, 28 September – 2 October

CONGRESS GUIDE

■ WELCOME FROM THE ERS PRESIDENT



Tobias Welte
ERS PRESIDENT

I would like to welcome all attendees to the 2019 ERS International Congress, and to our wonderful host city of Madrid.

We are proud of the high-quality scientific and educational experience that ERS Congress delivers. As an attendee of this year's event you can expect an excellent programme presenting cutting-edge science in all fields of respiratory medicine, as well as state-of-the-art educational programmes, specialised and practical courses, and a strong focus on daily practice.

The main theme for this year's annual Congress is prevention. Within this theme, there are three main topic areas that the event will focus on. These are: smoking cessation, including e-cigarettes and heated tobacco products; air pollution, such as the effects of air pollution on lung health and childhood lung disease prevention; and vaccination, with infectious diseases being a key driver of exacerbation for many chronic lung diseases.

ERS Congress 2019 will also examine the new and exciting areas of scientific research across all lung diseases, and the results and outcomes that this research has provided, as well as presenting new educational tools and resources. In addition, working in collaboration with other organisations worldwide in the areas of science, education and advocacy has helped to positively influence the programme and make sure there is something for everyone.

As the ERS President, I believe that one of the key benefits of Congress is that it offers an excellent platform for communication and collaboration. It is a fantastic opportunity to meet peers, colleagues and experts and discuss your own projects directly, enabling you to bring forward new ideas to a forum with fellow scientists, clinicians and healthcare professionals from all over the world.

An important element is creating the possibility for the time and space to network, communicate and share knowledge and experiences from our own scientific and educational projects. ERS Congress is a great occasion for bringing people together, and I find that the common spirit of the event to be a very exciting prospect.

ERS is a scientific society with a global view and a political mindset that is essential in continuing to raise the profile of respiratory medicine together with our partner societies worldwide. Collaboration is vital to our work and I would like to thank everyone for their involvement with ERS and in contributing to our aim of alleviating suffering from lung disease and driving standards for respiratory medicine globally.

Tobias Welte, ERS President

WELCOME FROM THE CONGRESS CHAIRS



Professor Pilar de Lucas
ERS CONGRESS CHAIR



Professor Carlos A. Jimenez-Ruiz
ERS CONGRESS CO-CHAIR

Welcome to Madrid 2019!

We are delighted to welcome friends and colleagues to our home city of Madrid for the ERS International Congress 2019.

Madrid is not only the capital of Spain – it is also the leading economic, cultural, industrial, educational and technological centre of the Iberian peninsula. Located in the centre of Spain, it has a well-developed transport network and a great hotel infrastructure which makes it the ideal venue for the Congress.

No city on earth is more alive than Madrid, the city that never sleeps. It is a beguiling place whose sheer energy carries a simple message: this city really knows how to live.

With a history dating back to the ninth century, it gains importance from the 16th, when it became the capital of Spain. This long history can be traced through its historical architecture, from medieval mansions and royal palaces to the unimagined angles of Spanish contemporary architecture, from the sober brickwork and slate spires of Madrid baroque, to the extravagant confections of the belle époque.

We must also mention the official site of the Royal National Academy of Medicine, whose Chairs represent outstanding figures of Spanish medicine, such as the Nobel Prize winner Ramón y Cajal and the great humanistic Gregorio Marañón. Few cities boast an artistic pedigree quite as pure as Madrid's: many art lovers return to it. For centuries, Spanish royals showered praise and riches upon the finest artists of the day, from home-grown talents such as Goya and Velázquez to Flemish and Italian greats. Masterpieces by these and

other Spanish painters such as Picasso, Dalí and Miró now adorn the walls of the city's world-class museums.

Rising above the humble claims of its local cuisine, Madrid has evolved into one of the richest culinary capitals of Europe. The city has wholeheartedly embraced all the creativity and innovation of Spain's gastronomic revolution. But this acceptance of the new is wedded to a passion for the enduring traditions of Spanish cooking, for the conviviality of the eating experience and for showcasing the infinite variety of food from every Spanish region.

Once again, the Congress programme will cover key topics in respiratory medicine from across the spectrum of 8 disease areas, including TB, lung cancer, chronic and acute respiratory failure, sleep breathing disorders, interstitial lung diseases, pneumonia, cystic fibrosis, COPD and asthma, amongst others. We are set to deliver the best advances in both science and education, and will specifically highlight the importance of vaccination, smoking cessation, rehabilitation and clean air.

We look forward to welcoming you to the ERS International Congress where we will continue our mission to promote lung health and drive standards in respiratory medicine, in close partnership with national societies, patient organisations, and various institutions all over Europe and beyond.

■ PRACTICAL INFORMATION A-Z

Business Centre

The Business Centre is located at the first floor between Hall 7 and Hall 9. The Business Center Services are at the Delegates' own expense.

Cash Dispensers

Cash dispensers are located in the lobby of both the North and South entrances of the Congress Centre.

Catering

No official lunches will be provided for Congress participants but there will be a number of lunch facilities around the congress centre, including cafeterias, restaurants, bars and several coffee/snack points.

Cloakroom

A cloakroom service for coats and reasonably sized luggage is available during the opening hours of the Congress. The Cloakroom service will be located at the North Entrance and is at the Delegates' own expense.

Dress code

Dress will be informal throughout the Congress. ERS reserves the right to refuse access when deemed necessary for the comfort and safety of all delegates.

Exhibition Access

This exhibition is restricted to Healthcare professionals. The general public (Inclusive of patients and children) are forbidden by international law to enter the exhibition or any room hosting an industry activity. In addition, the ERS asks delegates and faculty to refrain from taking children to any scientific sessions or practical demonstrations. In

the event that children are required to enter the Congress centre, they should be supervised by an adult at all times and observe the restrictions that apply to limited access area. In the event that a member of public is invited to participate in the ERS Congress Scientific Programme, they should be accompanied by a qualified Healthcare professional or ERS representative, observing the ERS restrictions where appropriate.

Hotel Desk

A Hotel Desk will be available in the ERS Registration Area from Saturday 28 September to Wednesday 02 October 2019, during Congress opening hours.

Insurance and disclaimer

ERS accepts no liability for injuries and/or losses of whatever nature incurred by participants and/or accompanying persons, nor for loss or damage to their luggage and/or personal belongings. Please check the validity of your own insurance.

Language

The official language of the Congress is English. No translation will be provided.

Lost and Found

Please refer to the Cloakroom for the Lost & Found items. Lunch and refreshments

No official meals will be provided. Meal facilities at the Congress centre include cafeterias and restaurants. A number of bars and coffee/snack points serve sandwiches and snacks.

Mobile phone policy

Please respect your fellow colleagues and friends by switching off your mobile phone in all meeting and poster rooms.

Dates and opening hours

Date	Congress Centre	Registration	Speakers' preview Room	ERS Sessions	Evening Symposia	Exhibition
Saturday, 28 September	07:00-21:00	07:00-18:15	07:30-17:30	09:30-17:30**		
Sunday, 29 September	06:30-19:30	06:30-17:30	07:30-17:30	07:00-16:45	17:15-19:15	09:00-17:00
Monday, 30 September	06:30-19:30	06:30-17:30	07:30-17:30	07:00-16:45	17:15-19:15	09:00-17:00
Tuesday, 1 October	06:30-19:30	06:30-17:30	07:30-17:30	07:00-16:45	17:15-19:15	09:00-17:00
Wednesday, 2 October	06:30-13:30*	06:30-14:00	08:00-11:00	07:00-12:45		09:00-12:00

* No afternoon sessions

** Postgraduate Courses only

All timings are subject to change

Parking

Delegate car parking is available at a cost of €2.25 per hour. Parking is available from 07:00 to 22:00. Overnight parking is forbidden.

Security

Please pay special attention to your personal belongings, especially when walking around the city center and in the public transportation system.

Any security problems or concerns within the Congress Centre should be reported to a uniformed member of staff. Emergency exits are marked with exit signs.

Smoking

The ERS congress will take place in IFEMA Feria de Madrid, which is a smoke free venue. The smoking ban

applies to the whole buildings, including the catering locations and loading areas. As smoking is a major cause of lung disease, ERS further asks Congress participants and exhibitors not to smoke in IFEMA Feria de Madrid or any area within 100 meters of the building.

Special accessibility needs

Depending on the availability, it is possible to acquire a manual wheelchair on site. Manual wheelchairs are free of charge and can be picked-up at either the North or South entrances.

Taxis

Taxis will be available outside the entrance of North and South entrances during congress days and opening times.

HOTEL ACCOMMODATION

General Information

The official hotel accommodation partner for the ERS International Congress 2019 is BCO Congressos. For questions regarding accommodation, please contact them via:

BCO Congressos

Plaça d'Europa, 17-19

08908 L'Hospitalet de Llobregat - Barcelona

Spain

Tel : +34 93 882 38 78

Email: ers2019hotels@bcocongressos.com

IMPORTANT NOTICE: There are websites, companies and individuals who falsely claim or imply that they are partners of the ERS Congress 2019. Please be aware that our partners this year are exclusively: Congrex Switzerland Ltd (for registration) and BCO Congressos (hotel accommodation). ERS does not accept any responsibility for bookings made via unofficial websites/agencies or any monies lost as a result. This website is the official and only Congress website.

A number of hotel rooms in different price categories have been reserved in Madrid and the surrounding areas for the 29 ERS International Congress.

As a service for Congress participants, BCO Congressos will arrange your hotel accommodation at no extra charge. There are four hotel room categories, ranging from 2 to 5 stars. Please see below for more information:

Category	Rate in euro (€): from / to
5 star hotels	273 / 479
4 star hotels	118 / 429
3 star hotels	115 / 259
2 star hotels	115 / 170

* All rates listed are in EURO (€), per room and per night and include breakfast and 10% VAT.

The rates for single and double occupancy differ. Some hotels require a minimum stay.

Individual reservations (up to 9 rooms)

Due to limited room availability in Madrid, we advise you to make your reservation as early as possible in order to have the best choice of available hotels. Hotel accommodation is subject to availability and will be allocated on a first come, first served basis.

Conditions and payment

- Your reservation will be confirmed once payment of one night deposit is received. The balance of your

stay, as well as any eventual extra, will have to be paid directly to the hotel before departure.

- Full pre-payment of the stay is also available.

Please note that you may be committed to a minimum stay per reservation depending on the chosen hotel.

Cancellation Policy

- All rooms can be cancelled before 15 July 2019 and the amount prepaid will be refunded less a 40 Euro handling fee. There will be no penalty for the reduction of nights.
- For cancellations from 16 July 2019 to 29 August 2019, the equivalent cost of one night's accommodation will be charged as a cancellation fee.
- For cancellations from 30 August 2019 or no shows, the entire booking period will be charged.
- Global conditions

The invoice will be provided by the hotel upon check-out and the deposit paid will be deducted from it. All deposits must be paid to BCO Congressos during the booking process.

Group reservations (10 or more rooms)

For group reservations (ten reservations or more), please contact BCO Congressos by e-mail for further information, providing the requested number of rooms, hotel category and preferred location if possible.

Conditions and payment

Your reservations will only be confirmed upon receipt of the requested deposits:

- Upon Signature: 30% of the total amount of your reservations.
- Before 10 April 2019: 70% of the total amount of your reservations shall be received.
- For contracts signed after 17 March 2019, 100% of the reservation is payable as a confirmation of the reservation.

Please note that you may be required to a minimum stay per reservation depending on the chosen hotel.

Cancellation Policy

- For cancellations before 26 April 2019, 30% of the total rooms reserved per night, per room type per hotel can be cancelled without penalty.
- For cancellations between 27 April 2019 and 26 June 2019, 15% of the total rooms reserved per night, per room type per hotel can be cancelled without penalty.
- For cancellations between 27 June 2019 and 26 August 2019, 5% of the total rooms reserved per night, per room type per hotel can be cancelled without penalty.

PRACTICAL INFORMATION

- For cancellations from 27 August 2019 and/or no shows, 100% of the remaining total rooms nights will be charged

The penalties cannot be used to credit another night/reservation, nor refunded. The nights cancelled cannot be transferred to another date nor another hotel.

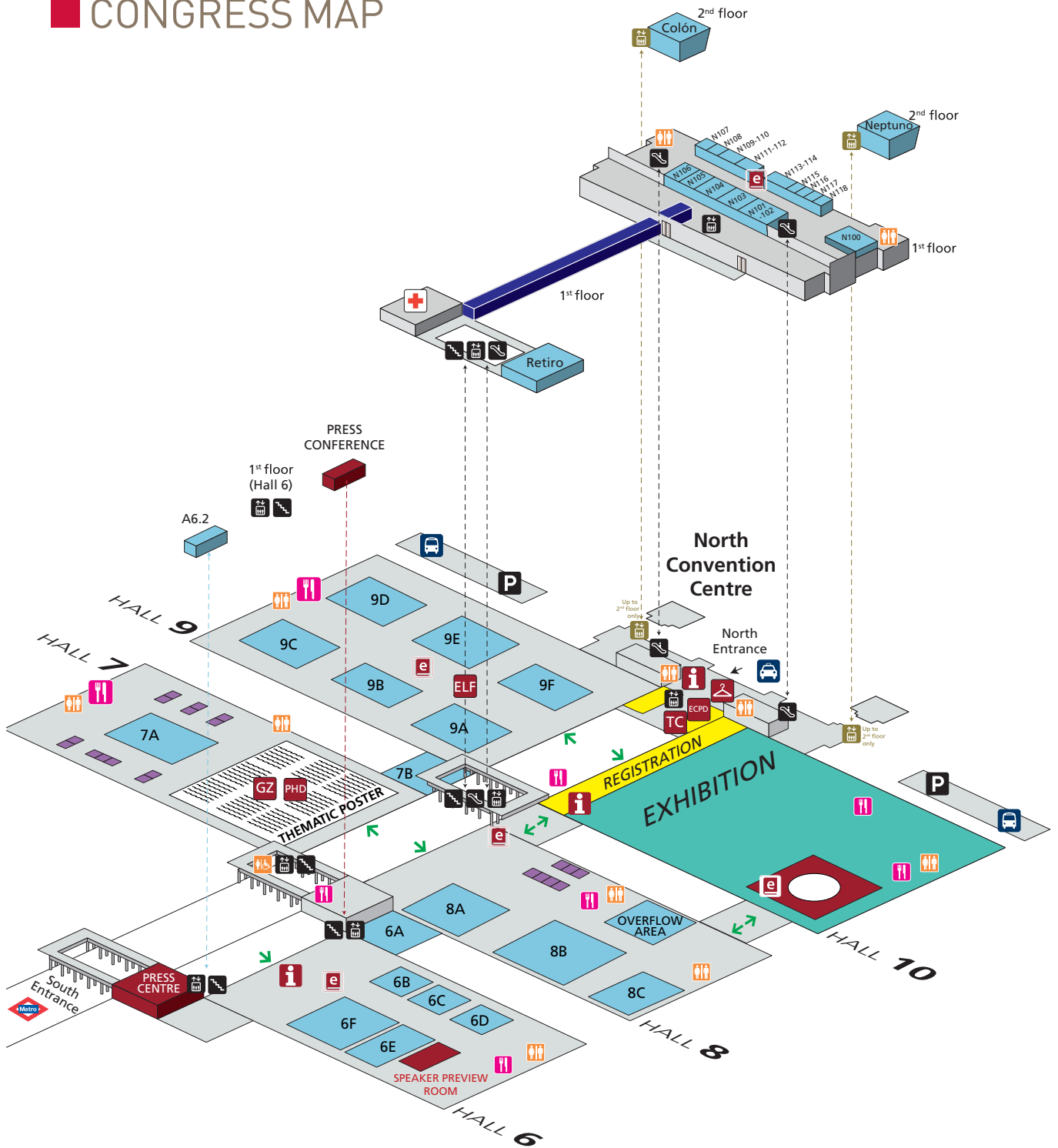
Global conditions

All groups bookings have to be prepaid before the group check in. The invoice(s) will be issued by BCO upon receipt of payment.

Changes

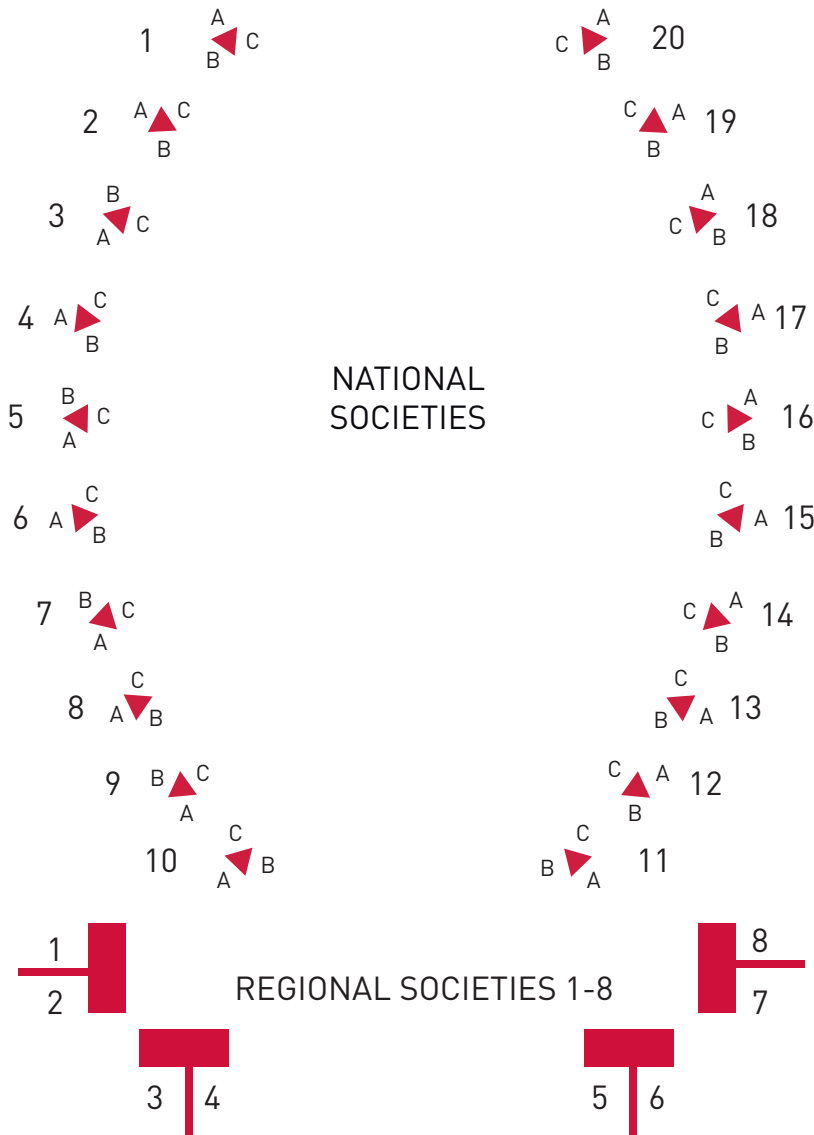
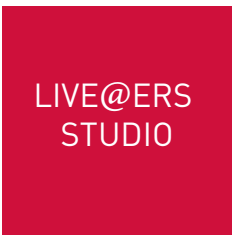
Any modification or cancellation must be communicated to BCO Congressos in writing via e-mail to BCO Congressos. Names can be changed without restriction.

CONGRESS MAP



- | | | | |
|------------------------|--|--|----------------------|
| Registration | World Village
ERS Stand
ERS Central
ERS Bookshop
LIVE@ERS
World Village Theatre | Congress Resources Area
APP (incl. abstracts, e-posters)
Charging Points | Transportation Cards |
| Exhibition | ELF & HLfL Stand | Information Desk | Cloakroom |
| Session Rooms | | Posters Help Desk | First Aid |
| Industry Meeting Rooms | | Game Zone | Catering Outlets |
| ERS HQ | | ERS Check Point Desk | Elevator |
| Congress Activities | | | Escalator |

WORLD VILLAGE MAP



ERS WORLD VILLAGE SOCIETIES LIST

National / Affiliated Societies

Stand	Desk	Society	Country/Region
1	A	LSPA	Lithuania
1	B	LSLP	Latvia
1	C	EKS	Estonia
2	A	RRS	Russia
2	B	KTS	Kyrgyzstan
2	C	SLMF	Sweden
3	A	RSS	Serbia
3	B	MRS	North Macedonia
3	C	CRS-CMA	Croatia
4	A	TTS	Turkey
4	B	HPRS	Greece
4	C	HTS	Greece
5	A	SRP	Romania
5	B	PTChP	Poland
5	C	BRS	Bulgaria
6	A	MTT	Hungary
6	B	ÖGP	Austria
6	C	CPFS	Czech Republic
7	A	DGP	Germany
7	B	DZL	Germany
7	C	GPP	Germany
8	A	BVP	Belgium
8	B	SPLF	Francophone
8	C	SLP	Lebanon
9	A	TRS	Turkey
9	B	AFMAPATH	Morocco
9	C	STMRA	Tunisia
10	A	SIP	Italy
10	B	AIPO	Italy
10	C	SIMRI	Italy
11	A	SPP	Portugal
11	B	SEPAR	Spain
11	C	SERCHILE	Chile
12	A	ASSOBRAFIR	Brazil
12	B	SBPT	Brazil
12	C	SMNYCT	Mexico
13	A	TSANZ	Australia/NZ
13	B	CTS	Canada
13	C	PCCP	Philippines
14	A	BTS	England
14	B	ITS	Ireland
14	C	ARTP	England
15	A	ICS	India
15	B	SATS	South Africa
15	C	SLCP	Sri Lanka
16	A	PCS	Pakistan
16	B	KATRD	Korea
16	C	JRS	Japan
17	A	CTS	China
17	B	ESCDT	Egypt
17	C	EPPS	Egypt
18	B	TSPCCM	Taiwan
18	C	SPN	Peru

Regional Societies

Stand number	Society	Country/Region
3	ATS	Americas
4	APSR	Asia
5	ALAT	Americas
6	The Union	International
7	PATS	Africa
8	CHEST	Americas

International Societies

Stand	Desk	Society	Country/Region
19	C	ISAM	International

European Societies

Stand	Desk	Society	Country/Region
20	A	ESCMID	
20	B	EAACI	
20	C	ESSD	



INTERNATIONAL CONGRESS 2019

MADRID Spain, 28 September – 2 October

INVITATION

to our opening session

Date: **Saturday 28 September**
Time: **17:45**
Room: **HALL 8B**
Dress: **Smart casual**

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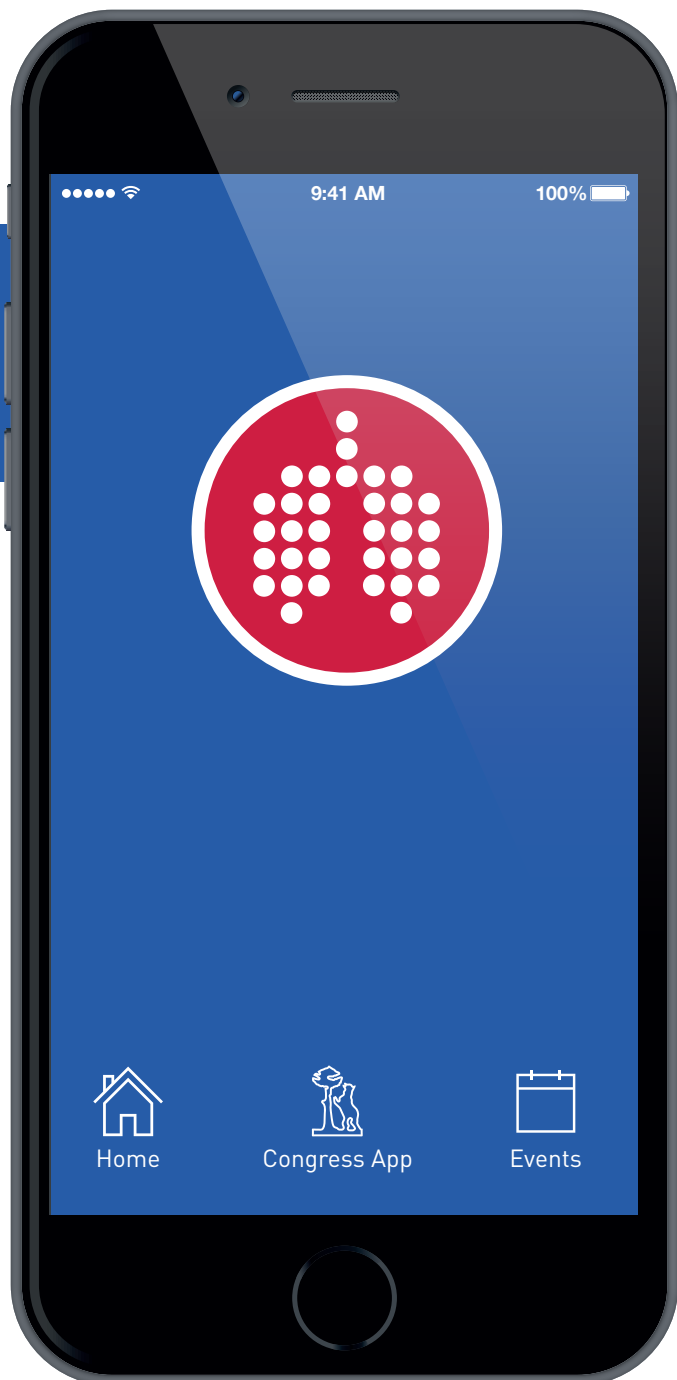
or

be amongst the thousands of healthcare professionals that participate **online**.

www.ersnet.org/satellites



The perfect year-round app for respiratory professionals and the essential Congress companion.



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- Cutting-edge medical education resources
- Scientific materials
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ERS-RRS-ARSRM Joint Session

Saturday 28 September, 2019 at the ERS International Congress Madrid, Spain, Room 8C, 13:30–17:30

GAIN NEW SCIENTIFIC KNOWLEDGE IN *your own language*
FROM DEDICATED SESSIONS IN RUSSIAN

Note that the presentations will be conducted in Russian and English with dual projection of slides in both languages.

13:30–15:10

Russian Speaking Programme: Part I

Chairs: M. Schatz (United States of America), R. Fassakhov (Russian Federation)

- 13:30 Asthma and pregnancy
R. Fassakhov (Russian Federation)
- 13:55 Difficulties in the treatment of asthma in pregnant women
M. Schatz (United States of America)
- 14:20 Pulmonary hypertension in pregnancy
A. G. Chuchalin (Russian Federation)
- 14:45 Pulmonary embolism during pregnancy
G. Meyer (France)
- 15:10 Break

15:35–17:30

Russian Speaking Programme: Part II

Chair: A. Pak (Kazakhstan), A. Skrahina (Belarus)

- 15:35 Respiratory physiology and pregnancy
A. LoMauro (Italy)
- 16:00 Sleep disturbances in pregnancy
I. Madaeva (Russian Federation)
- 16:25 Pregnancy and tuberculosis
A. Skrahina (Belarus)
- 17:05 Cystic fibrosis and pregnancy
E. Amelina (Russian Federation)



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ERS-SPLF Joint Session

Saturday 28 September, 2019 at the ERS International Congress Madrid, Spain, Room 8A, 09:30–13:00

GAIN NEW SCIENTIFIC KNOWLEDGE IN *your own language*
FROM DEDICATED SESSIONS IN FRENCH

Note that the presentations will be conducted in French with dual projection of slides in French and English.

09:30–11:10

French Programme Part I

Chairs: N. Roche (France), G. Brusselle (Belgium)

09:30 Thrombo-embolic disease: new recommendations
O. Sanchez (France)

09:55 Screening for lung cancer: where are we?
M.-P. Revel (France)

10:20 Management of central sleep apnea
S. Launois Rollinat (France)

10:45 Management strategy for allergic asthma
A. Didier (France)

11:10 *Break*

11:20–13:00

French Programme Part II

Chairs: J.-C. Dalphin (France), T. Troosters (Belgium)

11:20 Genetics of diffuse interstitial lung disease
R. Borie (France)

11:45 Coaching and shared decision making in chronic respiratory diseases
J. Bourbeau (Canada)

12:10 Lung transplantation in the era of precision medicine
A. Tissot (France)

12:35 Tuberculosis in all its forms
F. Tritar (Tunisia)



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ERS-CTS Joint Session

Saturday 28 September, 2019 at the ERS International Congress Madrid, Spain, Room 8C, 08:30–13:00

GAIN NEW SCIENTIFIC KNOWLEDGE IN *your own language*
FROM DEDICATED SESSIONS IN CHINESE

Note that the presentations will be conducted in Chinese and English with dual projection of slides in both languages.

08:30–10:30

Chinese Programme Part I

Chairs: T. Welte (Germany), N. Zhong (China)

- 08:30 Research emphasis in China: big data network for respiratory health
N. Zhong (China)
- 09:00 Research priorities in Europe: the 2019 ERS Presidential Summit action plan
T. Welte (Germany)
- 09:30 Bronchology and interventional pulmonology in China: the past, present and future
G. Wang (China)
- 10:00 Interventional Pneumology in Europe: cutting-edge technology
S. Gasparini (Italy)
- 10:30 *Break*

11:00–13:00

Chinese Programme Part II

Chairs: R. Chen (China), C. Suppli Ulrik (Denmark)

- 11:00 The global burden of pneumonia in China and the world: a Global Burden of Disease comparison
J. B. Soriano (Spain)
- 11:30 Progress in tuberculosis
G. H. Bothamley (United Kingdom)
- 12:00 Prevention and control of influenza in China
R. Chen (China)
- 12:30 Severe CAP in China: epidemiology and clinical practice
J. Qu (China)



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ERS-ALAT-SBPT-SEPAR-SPP Joint Spanish / Portuguese Session

Saturday 28 September, 2019 at the ERS International
Congress Madrid, Spain, Room 8A, 14:00–17:30

GAIN NEW SCIENTIFIC KNOWLEDGE IN *your own language*
FROM DEDICATED SESSIONS IN SPANISH AND PORTUGUESE

Note that the presentations will be conducted in Portuguese or Spanish, and in English, with dual projection of slides in either Spanish or Portuguese and English.

14:00–15:30

Spanish and Portuguese Programme Part I

Chairs: G. Zabert (Argentina), M. Garcia Rueda (Spain)

- 14:00 Introduction
C. Jimenez-Ruiz (Spain)
- 14:10 Global Vision of the Document on smoking cessation
training for medical school
C. Jimenez-Ruiz (Spain)
- 14:35 Objectives, methodology and outcomes in training
medical students for cognitive interventions
G. Zabert (Argentina)
- 15:00 Panel discussion
- 15:30 Break

16:00–17:30

Spanish and Portuguese Programme Part II

Chairs: J. M. Chatkin (Brazil), A. Morais (Portugal)

- 16:00 Introduction
J. M. Chatkin (Brazil)
- 16:10 Pharmacotherapy
P. Rosa (Portugal)
- 16:35 New ways of using nicotine
A. Araujo (Brazil)
- 17:00 Panel discussion



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de Neumología
y Cirugía Torácica
SEPAR





PROGRAMME

This information was up-to-date on 25 September 2019

No Room	Session 2	10:00 - 11:00
Public: Press conference and opening of Healthy Lungs for Life		

6C

Session 4

08:30 - 12:15

Registration for this session is additional to the congress registration fee and is: €38.5 standard and €44 on site.

Professional development workshop: PDW1 Teaching, learning and assessments: key principles

Aims : to describe the key concepts in teaching, learning and assessment in the medical education context; to identify the different adult learning theories i.e. Andragogy, heutagogy etc.; to recall the teacher's toolkit and apply the relevant tools for each teaching intervention (i.e. small and large group learning, teaching in the clinical context, peer learning, simulation); to identify when to use formative vs summative assessment methods

Tag(s) : Clinical

Target audience : Thoracic surgeon, Paediatrician, Critical/Intensive care physician, Adult pulmonologist/Clinician, General practitioner, Trainee, Student

Chairs : Stefano Aliberti (Milan, Italy), Gernot G.U. Rohde (Frankfurt am Main, Germany)

08:30	Introduction and summary of online module Stefano Aliberti (Milan, Italy)	6
08:40	Adult learning theory: practical session Suzanne Schut (Maastricht, Netherlands)	7
09:40	Teaching and learning Annie Noble (Bristol, United Kingdom)	8
10:40	Coffee break	9
11:00	Formative and summative assessment Robert Primhak (Sheffield (South Yorkshire), United Kingdom)	10
12:00	Final comments and questions	11

N100

Session 21

12:30 - 16:35

Registration for this session is additional to the congress registration fee and is: €110 standard and on site.

Professional development workshop: PDW2 Spirometry training programme: become a programme organiser

Aims : to provide participants with the knowledge and tools required to deliver high-quality spirometry training. This session is specifically targeted at people who would like to run an ERS Spirometry Training Programme in their country.

NEW: This session is now divided into two parts. Participants who wish to be certified as a spirometry trainer must attend the morning session entitled "Teaching, learning and assessments: key principles", and the afternoon session dedicated to spirometry.

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Lung function technologist, Nurse, General practitioner

Chairs : Felip Burgos Rincon (Barcelona, Spain)

13:30	Welcome and ice-breaker	106
13:45	Organising an ERS Spirometry Training Programme (overview) Felip Burgos Rincon (Barcelona, Spain)	107
14:15	Programme director: role and responsibilities (attend train-the-trainer courses, recruit and train faculty members, evaluate application forms, liaise with the ERS office, etc.) Monika Franczuk (Warszawa, Poland)	108
14:40	Teaching and learning (teacher/student ratios and learning styles) Julie Lloyd (Birmingham (West Midlands), United Kingdom)	109
15:20	Coffee Break	110
15:40	Assessment: role play and spirometry (multiple choice questions, online portfolio and practical assessment) Julie Lloyd (Birmingham (West Midlands), United Kingdom), Felip Burgos Rincon (Barcelona, Spain), Jellien Makonga-Braaksma (Woudenberg, Netherlands)	111
16:25	Final comments and questions Felip Burgos Rincon (Barcelona, Spain), Jellien Makonga-Braaksma (Woudenberg, Netherlands)	112

7B **Session 16** **09:30 - 17:30***Registration for this session is additional to the congress registration fee and is €220 standard and €242 on site.***Postgraduate course: PG1 Lung cancer: the key multidisciplinary approach****Valuable team work together with you by ERS, ATS, ESR, ESTS, ESTRO and IASLC – the diagnostic part****Aims :** to describe modern diagnostic and therapeutic approaches that can substantially improve the prognosis of lung cancer patients; to enable participants close interaction with the multidisciplinary faculty from leading international societies in the field of lung cancer and by that learn how to deliver best care to lung cancer patients.**Disease(s) :** Thoracic oncology**Method(s) :** Endoscopy and interventional pulmonology Imaging Surgery**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Physiotherapist, Radiologist, Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Joanna Chorostowska-Wynimko (Warsaw, Poland), Hans-Ulrich Kauczor (Heidelberg, Germany), Otto Chris Burghuber (Wien, Austria), Isabelle Opitz (Zurich, Switzerland)

09:30	Management of lung cancer screening and incidental findings as well as their integration in existing lung cancer care Doug A. Arenberg (Ann Arbor, United States of America)	81
10:00	Tissue is the issue and beyond: proper sampling for diagnosis and staging of lung cancer by chest physicians as well as its alternatives Torsten Gerriet Blum (Berlin, Germany)	82
10:30	How (molecular) pathologists can profile patients Susann Stephan-Falkenau (Berlin, Germany)	83
11:00	New insights into lung cancer: what radiologists can contribute to diagnosis and staging Annemiek Snoeckx (Edegem (Antwerp), Belgium)	84
11:30	Break	85
12:00	Group assignment Torsten Gerriet Blum (Berlin, Germany), Doug A. Arenberg (Ann Arbor, United States of America), Susann Stephan-Falkenau (Berlin, Germany), Annemiek Snoeckx (Edegem (Antwerp), Belgium)	86
13:00	Lunch	87
14:00	Modern staging in lung cancer: from the current multidisciplinary process to novel approaches Joachim Aerts (Rotterdam, Netherlands)	88
14:30	Early, locally advanced and metastasised NSCLC: core strategies from the perspective of the thoracic surgeon Nuria Novoa Valentin (Salamanca, Spain)	89
15:00	Early, locally advanced and metastasised NSCLC: core strategies from the perspective of the radiotherapist Dirk De Ruysscher (Maastricht, Netherlands)	90
15:30	Early, locally advanced and metastasised NSCLC: core strategies from the perspective of the (pneumo) oncologist Pascale Tomasini (Marseille, France)	91
16:00	Break	92
16:30	Group assignment Joachim Aerts (Rotterdam, Netherlands), Pascale Tomasini (Marseille, France), Nuria Novoa Valentin (Salamanca, Spain), Dirk De Ruysscher (Maastricht, Netherlands)	93

9C **Session 6** **09:30 - 17:30***Registration for this session is additional to the congress registration fee and is €220 standard and €242 on site.***Postgraduate course: PG2 Thoracic ultrasound****Enhance your sonography practice beyond identification of pleural fluid**

Aims : to provide a solid theoretical framework for physicians who want to develop their ultrasonography skills; to encourage evidence-based practice where possible; to highlight the utility of thoracic ultrasonography for purposes other than identification of pleural fluid, including assessment of other thoracic structures; to demonstrate that physicians can safely perform thoracic interventions (including image-guided pleural biopsies) after suitable training; and to provide a solid background for the thoracic ultrasonography educational skills workshop.

Disease(s) : Interstitial lung diseases Thoracic oncology

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Critical/Intensive care physician, Radiologist, Trainee, General practitioner, Thoracic surgeon, Clinical researcher

Chairs : Silvia Mongodi (Pavia, Italy), Peter I. Bonta (Amsterdam, Netherlands)

09:30	The physics of ultrasound John Wrightson (Oxford, United Kingdom)	18
10:00	Thoracic ultrasonography artefacts Valentina Pinelli (Brescia (BS), Italy)	19
10:30	Assessment of parenchymal abnormalities Christian B. Laursen (Odense, Denmark)	20
11:00	Break	21
11:30	Pleural effusions and thickening Najib M. Rahman (Oxford, United Kingdom)	22
12:00	Group assignment John Wrightson (Oxford, United Kingdom), Valentina Pinelli (Brescia (BS), Italy), Christian B. Laursen (Odense, Denmark), Najib M. Rahman (Oxford, United Kingdom)	23
13:00	Lunch	24
14:00	Pneumothorax Rachid Tazi Mezalek (Barcelona, Spain)	25
14:30	Basic echocardiography, vascular structures and volume status Graham Barker (Oxford, United Kingdom)	26
15:00	Diaphragm assessment John Wrightson (Oxford, United Kingdom)	27
15:30	Break	28
16:00	Advanced interventions Ioannis Psallidas (Oxford (Oxfordshire), United Kingdom)	29
16:30	Group assignment Graham Barker (Oxford, United Kingdom), John Wrightson (Oxford, United Kingdom), Ioannis Psallidas (Oxford (Oxfordshire), United Kingdom), Rachid Tazi Mezalek (Barcelona, Spain)	30

9F Session 8 09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €137.5 standard and €154 on site.

Postgraduate course: PG3 Advanced cardiopulmonary exercise testing

Cardiopulmonary exercise testing in health and cardiorespiratory disease

Aims : to explain the physiological constraints of exercise testing and its application in clinical practice; to present the optimal methods for testing lung mechanics and spirometry; to explain the different formats of exercise tests as well as their advantages, disadvantages and prognostic value in adults and children; and to present the usefulness of exercise testing for evaluating pharmacological and non-pharmacological interventions in clinical practice.

Disease(s) : Sleep and breathing disorders

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, Lung function technologist, Paediatrician, Physiologist, Physiotherapist, Student, Trainee

Chairs : Enrico Lombardi (Florence, Italy), Esther Barreiro Portela (Barcelona, Spain)

09:30	Pulmonary gas exchange response to exercise in health and disease Paolo Palange (Rome, Italy)	37
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10:00	Respiratory mechanics and exertional dyspnoea in health and disease Denis O'Donnell (Kingston (ON), Canada)	38
10:30	The prognostic role of cardiopulmonary exercise testing in disease Pierantonio Laveneziana (Paris, France)	39
11:00	Break	40
11:30	Exercise testing in children with respiratory diseases Tim Takken (Utrecht, Netherlands)	41
12:00	Group assignment Paolo Palange (Rome, Italy), Denis O'Donnell (Kingston (ON), Canada), Pierantonio Laveneziana (Paris, France), Tim Takken (Utrecht, Netherlands)	42

N101+102 Session 13 09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €137.5 standard and €154 on site.

Postgraduate course: PG4 Pitfalls of noninvasive ventilation: causes and remedies

Aims : to discuss the tricks and pitfalls of noninvasive ventilation in patients with acute and chronic respiratory failure.

Disease(s) : Respiratory critical care

Method(s) : Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, Adult pulmonologist/Clinician

Chairs : Lieuwe Bos (Amsterdam, Netherlands), Mark W. Elliott (Leeds (West Yorkshire), United Kingdom)

09:30	Pitfalls of noninvasive ventilation in patients with acute hypoxemic respiratory failure Wolfram Windisch (Cologne, Germany)	64
10:00	Pitfalls of noninvasive ventilation in patients with acute hypercapnic respiratory failure Annalisa Carlucci (San Donato Milanese (MI), Italy)	65
10:30	Pitfalls of interface and ventilator setting choices Cesare Gregoretti (Palermo, Italy)	66
11:00	Break	67
11:30	Pitfalls of timing of noninvasive ventilation in patients with stable COPD Wolfram Windisch (Cologne, Germany)	68
12:00	Group assignment Annalisa Carlucci (San Donato Milanese (MI), Italy), Cesare Gregoretti (Palermo, Italy), Wolfram Windisch (Cologne, Germany)	69

9D Session 7 09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €137.5 standard and €154 on site.

Postgraduate course: PG5 Novel insights into the diagnostic algorithm for interstitial lung diseases

Aims : to provide an update on the most recent advances in the diagnostic algorithm for interstitial lung diseases (ILDs) and to provide a solid theoretical background for the skills workshop on the diagnostic algorithm for ILDs.

Disease(s) : Interstitial lung diseases

Method(s) : Endoscopy and interventional pulmonology Imaging Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, Pathologist, Radiologist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Tiago Alfaro (Coimbra, Portugal), Francesco Bonella (Düsseldorf, Germany)

09:30	Computed tomographic biomarkers in idiopathic pulmonary fibrosis Nicola Sverzellati (Parma (PR), Italy)	31
10:00	Bronchoalveolar lavage in patients with fibrotic ILDs: is it helpful? Nicolas Kahn (Heidelberg, Germany)	32
10:30	Transbronchial lung cryobiopsy in the diagnosis of ILDs Claudia Ravaglia (Forlì, Italy)	33

11:00	Break	34
11:30	Lung ultrasonography in the evaluation of ILDs Eirini Vasarmidi (Heraklion (Crete), Greece)	35
12:00	Group assignment Claudia Ravaglia (Forli, Italy), Nicolas Kahn (Heidelberg, Germany), Eirini Vasarmidi (Heraklion (Crete), Greece), Nicola Sverzellati (Parma (PR), Italy)	36

6D Session 15 09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €137.5 standard and €154 on site.

Postgraduate course: PG6 Immunodeficiencies in lung diseases

Aims : to provide an overview of primary and secondary immunodeficiencies involving the lungs at different ages; to discuss manifestations, warning signs and recommendations for long-term management.

Disease(s) : Paediatric respiratory diseases Respiratory infections

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Paediatrician, Patient, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Eva Polverino (Barcelona, Spain), Catherine Greene (Dublin, Ireland)

09:30	Innate and adaptive immune response in lung diseases Ulrich Baumann (Hannover, Germany)	75
10:00	Primary immunodeficiencies from childhood to adulthood Pere Soler (Barcelona, Spain)	76
10:30	Immunodeficiencies in adulthood: lung disease manifestations and treatment options Cinzia Milito (Rome, Italy)	77
11:00	Break	78
11:30	Secondary immunodeficiencies and the lungs Silvia Sánchez-Ramón (Madrid, Spain)	79
12:00	Group assignment Ulrich Baumann (Hannover, Germany), Pere Soler (Barcelona, Spain), Silvia Sánchez-Ramón (Madrid, Spain), Cinzia Milito (Rome, Italy)	80

6F Session 11 09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €137.5 standard and €154 on site.

Postgraduate course: PG7 Chest radiology

Basics of radiology for pulmonologists

Aims : to provide a detailed overview of various patterns on (high-resolution) computed tomography chest imaging of patients with interstitial lung diseases and various infections; to summarise the role of radiology in evaluation of pulmonary hypertension and the role of different imaging modalities in assessment of solitary pulmonary nodules will be discussed; to review throughout the course, the size, appearance and distribution of different opacities because they are related to various differential diagnoses in clinical settings; to provide basic guidelines for differential diagnosis and an algorithmic approach to various lung and chest pathologies based on clinical history and distribution, as well as the presence of associated abnormalities.

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology

Method(s) : General respiratory patient care Imaging Surgery

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Pathologist, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Laura Fregonese (London, United Kingdom), Jens Vogel-Claussen (Hannover, Germany)

09:30	Imaging of COPD Johan Coolen (Leuven, Belgium)	54
10:15	Imaging of pulmonary hypertension Jens Vogel-Claussen (Hannover, Germany)	55

11:00	Break	56
11:30	Imaging of interstitial lung diseases Sara Piciucchi (Forlì, Italy)	57
12:15	Evaluation of solitary pulmonary nodules Helmut Prosch (Wien, Austria)	58

6B Session 14 09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €137.5 standard and €154 on site.

Postgraduate course: PG8 The role of exercise in prevention of pulmonary and extra-pulmonary impairments

Aims : to provide an overview of the role of exercise in the improvement of lung function and in the prevention of extrapulmonary features including decrease in muscle mass, cognitive function, mood and frailty; to demonstrate how to provide an exercise prescription in order to improve extrapulmonary characteristics; and to define the critical role of the various available exercise modalities in the prevention of comorbidities.

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Physiology Pulmonary rehabilitation

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Physiologist, Physiotherapist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Daniel Langer (Leuven, Belgium), Frits M.E. Franssen (Horn, Netherlands)

09:30	Healthy lungs for life: the impact of exercise and physical activity on lung function Finn Rasmussen (Nicosia, Cyprus)	70
10:15	Train the brain: how exercise training makes the brain work better Véronique Pepin (Montreal, Canada)	71
11:00	Break	72
11:30	Improving psychological symptoms with rehabilitation in COPD patients Samantha Harrison (Middlesbrough (Stockton-on-Tees), United Kingdom)	73
12:15	Does exercise training improve physical frailty in patients with COPD? Claire M. Nolan (Richmond, United Kingdom)	74

9B Session 10 09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €137.5 standard and €154 on site.

Postgraduate course: PG9 Interventional pulmonology

Aims : to provide an update on the most important fields in interventional pulmonology. to discuss: 1) transthoracic ultrasonography and thoracoscopy in relation to the management of malignant pleural effusions; 2) use of endosonography (Endobronchial ultrasound (EBUS) and Endobronchial ultrasound bronchoscopy (EUS-B)) for diagnosis and staging of lung cancer and assessment of sarcoidosis; 3) endoscopic treatment of emphysema; and 4) cryobiopsy in patients with interstitial lung diseases. After the course, participants will be able to identify and discuss the proper indications for the various interventions.

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Imaging

Tag(s) : Clinical

Target audience : Clinical researcher, Pathologist, Thoracic oncologist, Thoracic surgeon, Adult pulmonologist/Clinician

Chairs : Jouke T. Annema (Amsterdam, Netherlands), Prashant Nemichand Chhajed (Mumbai, India)

09:30	Use of transthoracic ultrasonography, indwelling pleural catheter and thoracoscopy for the management of malignant pleural effusion Rahul Bhatnagar (Bristol, United Kingdom)	48
10:05	Use of endosonography for diagnosis and staging of lung cancer and assessment of sarcoidosis Rocco Trisolini (Bologna (BO), Italy)	49
10:40	Endoscopic treatment of emphysema Daniela Gompelmann (Heidelberg, Germany)	50
11:15	Break	51

11:45	Cryobiopsy in patients with interstitial lung diseases Sara Tomassetti (Forli, Italy)	52
12:20	Sedation for bronchoscopy procedures Susanne Eberl (Amsterdam, Netherlands)	53

9A Session 5 09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €137.5 standard and €154 on site.

Postgraduate course: PG10 Severe asthma in adults: systematic assessment and biological treatment

Aims : to present an update on severe asthma in adults relating to assessment and treatment

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology General respiratory patient care

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Patient, Physiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Anneke Ten Brinke (Molenend, Netherlands), Rocio Magdalena Diaz Campos (Madrid, Spain)

09:30	Is it really severe asthma? A systematic approach to assessment Celeste Michala Porsbjerg (Copenhagen, Denmark)	12
10:00	Phenotypes and prognosis Florence Schleich (Liège, Belgium)	13
10:30	Tailored therapy in severe asthma - Is it a dream in low and middle income countries? Ayşe Arzu Yorgancıoğlu (Izmir, Turkey), Karen Needham (Barnsley, United Kingdom)	14
11:00	Break	15
11:30	Making clinical sense of the explosion in biologics - which drug for which patient and why? Vibeke Backer (Copenhagen, Denmark)	16
12:00	Group assignment Celeste Michala Porsbjerg (Copenhagen, Denmark), Florence Schleich (Liège, Belgium), Vibeke Backer (Copenhagen, Denmark), Ayşe Arzu Yorgancıoğlu (Izmir, Turkey)	17

N101+102 Session 30 14:00 - 17:30

Registration for this session is additional to the congress registration fee and is €137.5 standard and €154 on site.

Postgraduate course: PG11 Severe paediatric asthma

Aims : to discuss 1) the various steps involved in confirming a diagnosis of severe asthma, 2) investigation of comorbidities and alternative diagnoses, 3) the role of a multidisciplinary team (nurses, physiotherapists and psychologists) and 4) a stratified approach to biologics. Each talk will present a clinical case scenario where severe asthma may be present, and describe the diagnostic and therapeutic approaches that should be adopted. With the aid of the case presentations, participants will understand the pathway that needs to be taken for the diagnosis and treatment of paediatric severe asthma.

Disease(s) : Airway diseases Paediatric respiratory diseases

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, Paediatrician, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Sejal Saglani (London, United Kingdom), Angela Zacharasiewicz (Wien, Austria)

14:00	Patient testimony Mikaela Odemyr (Järved, Sweden)	
14:10	Severe preschool wheeze: when and how to treat Leonard Bacharier (St Louis, United States of America)	154
14:55	Only severe asthma? Alexander Möller (Zürich, Switzerland)	155
15:40	Break	156
16:00	A difficult case: distinctions between difficult asthma, true severe asthma and overlap Louise Fleming (London, United Kingdom)	157

16:45	The need for a specialist multidisciplinary clinic to manage paediatric patients with severe asthma in the age of biologics Theresa Guilbert (Cincinnati, United States of America)	158
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9F Session 26 14:00 - 17:30

Registration for this session is additional to the congress registration fee and is €137.5 standard and €154 on site.

Postgraduate course: PG12 Recent advances in small airways diseases in patients with asthma and COPD

Aims : to provide an update on recent research into the increasing importance of small airways diseases in patients with asthma and COPD; to describe new developments in the assessment of small airways diseases using physiological and imaging methods; to provide an update on evidence for the clinical impact of small airways diseases on patient-related outcomes and to highlight recent data regarding treatment targeted at small airways diseases and how this relates to clinical outcomes.

Disease(s) : Airway diseases

Method(s) : Imaging Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Pathologist, Physiologist, Physiotherapist, Radiologist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Mario Cazzola (Roma (RM), Italy), Matteo Bonini (London, United Kingdom)

14:00	The clinical importance of small airway involvement in patients with asthma and COPD Maarten van den Berge (Groningen, Netherlands)	131
14:30	Recent advances in physiological assessment of small airways diseases Sylvia Verbanck (Bruxelles, Belgium)	132
15:00	New approaches in lung imaging to characterise small airways diseases Sujal Desai (London, United Kingdom)	133
15:30	Break	134
16:00	Latest insights into treatment of small airways diseases Omar S. Usmani (London, United Kingdom)	135
16:30	Group assignment Maarten van den Berge (Groningen, Netherlands), Sylvia Verbanck (Bruxelles, Belgium), Sujal Desai (London, United Kingdom), Omar S. Usmani (London, United Kingdom)	136

6D Session 32 14:00 - 17:30

Registration for this session is additional to the congress registration fee and is €137.5 standard and €154 on site.

Postgraduate course: PG13 Traditional and modern clinical approaches for diagnosis and management of occupational airways diseases

Aims : to discuss recent advances related to occupational airways diseases; to provide an update on recent changes in potentially harmful exposures at work; to provide an update on modern aspects of occupational asthma, COPD and hypersensitivity pneumonitis and to provide clinical and scientific context to these issues using real-life cases.

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Epidemiology General respiratory patient care Physiology

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Physiologist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Rafael E. de la Hoz (New York, United States of America), David Fishwick (Sheffield (South Yorkshire), United Kingdom)

14:00	Novel and classical inhaled materials implicated in the causation of occupational airways diseases Benoit Nemery (Leuven, Belgium)	165
14:30	Occupational asthma: classical and novel causes and diagnostic approaches Paul Cullinan (London, United Kingdom)	166
15:00	Occupational COPD : what is new and how do we identify and ultimately prevent this disease? Paul Blanc (San Francisco, United States of America)	167
15:30	Break	168

16:00	Occupational hypersensitivity pneumonitis: classical and novel causes and diagnostic approaches M ^a Jesus Cruz Carmona (Barcelona, Spain)	169
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16:30	Group assignment Benoit Nemery (Leuven, Belgium), Paul Cullinan (London, United Kingdom), Paul Blanc (San Francisco, United States of America), M ^a Jesus Cruz Carmona (Barcelona, Spain)	170
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6B Session 31 14:00 - 17:30

Registration for this session is additional to the congress registration fee and is €137.5 standard and €154 on site.

Postgraduate course: PG14 Perioperative management of fragile patients undergoing major thoracic surgery

Aims : to describe 1) physio-pathologic assessment to stratify the risk in patients requiring major thoracic surgery, 2) thoracic surgical strategies to minimise perioperative risks, 3) non-invasive respiratory assistance to prevent and treat postoperative complications and 4) the setting and nursing care of high-risk surgical patients.

Disease(s) : Respiratory critical care Thoracic oncology

Method(s) : Physiology Respiratory intensive care Surgery

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, Lung function technologist, Nurse, Thoracic surgeon

Chairs : Irene Steenbruggen (Zwolle, Netherlands), Lieuwe Bos (Amsterdam, Netherlands)

14:00	Physio-pathologic assessment to stratify risk Andrea Aliverti (Milan, Italy)	159
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14:30	Thoracic surgical strategies to minimise risk Stefano Elia (Roma (RM), Italy)	160
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15:00	Noninvasive respiratory assistance to prevent and treat postoperative complications Raffaele Scala (Arezzo, Italy)	161
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15:30	Break	162
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16:00	Setting and nursing care of high-risk surgical patients Amy Kerr (Birmingham (West Midlands), United Kingdom)	163
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16:30	Group assignment Andrea Aliverti (Milan, Italy), Stefano Elia (Roma (RM), Italy), Raffaele Scala (Arezzo, Italy), Amy Kerr (Birmingham (West Midlands), United Kingdom)	164
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9A Session 24 14:00 - 17:30

Registration for this session is additional to the congress registration fee and is €137.5 standard and €154 on site.

Postgraduate course: PG15 Management of pleural disease in 2019: applying the evidence

Aims : to describe current advances in the management of pleural disease; to identify best standards of care derived from the available latest evidence.

Disease(s) : Respiratory infections Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Imaging Surgery

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Thoracic oncologist, Trainee, Thoracic surgeon

Chairs : Nick Maskell (Bristol (Avon), United Kingdom), Sotirios Zarogiannis (Larisa, Greece)

14:00	Malignant pleural effusion: drainage, talc and beyond Kevin Blyth (Glasgow (Glasgow), United Kingdom)	118
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14:30	Pleural infection: are we getting it right? Najib M. Rahman (Oxford, United Kingdom)	119
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15:00	Management of pneumothorax: beyond the guidelines Julius P. Janssen (Nijmegen, Netherlands)	120
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15:30	Break	121
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16:00	Thoracic surgery for pleural disease: the earlier the better? Marco Lucchi (Pisa (PI), Italy)	122
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16:30	Group assignment Kevin Blyth (Glasgow (Glasgow), United Kingdom), Julius P. Janssen (Nijmegen, Netherlands), Marco Lucchi (Pisa (PI), Italy), Najib M. Rahman (Oxford, United Kingdom)	123
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9B Session 28 14:00 - 17:30

Registration for this session is additional to the congress registration fee and is €137.5 standard and €154 on site.

Postgraduate course: PG16 Assessment and analysis of the lung microbiome

Aims : to describe how to design a microbiome research project; to explain how data integration can answer question in microbiome research; to discuss the opportunities and difficulties associated with studies of the lung microbiome/mycobiome.

Disease(s) : Airway diseases Paediatric respiratory diseases Respiratory infections

Method(s) : Cell and molecular biology

Tag(s) : Translational

Target audience : Clinical researcher, Paediatrician, Scientist (basic, translational), Student, Trainee, Allergist

Chairs : Sabine Bartel (Groningen, Netherlands), Anne M. van der Does (Leiden, Netherlands)

14:00	How to think about the microbiome Robert Dickson (Ann Arbor, United States of America)	142
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14:30	Appropriate study design for low-biomass microbiome research Debby Bogaert (Edinburgh, United Kingdom)	143
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15:00	Integration of transcriptomics and metabolomics with microbiomic data to identify host-microbiota interactions Leopoldo N. Segal (New York New York, NY, United States of America)	144
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15:30	Break	145
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16:00	The airway mycobiome and its relevance to respiratory disease Laurence Delhaes (Bordeaux, France)	146
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16:30	Group assignment Robert Dickson (Ann Arbor, United States of America), Debby Bogaert (Edinburgh, United Kingdom), Leopoldo N. Segal (New York New York, NY, United States of America), Laurence Delhaes (Bordeaux, France)	147
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9D Session 25 14:00 - 17:30

Registration for this session is additional to the congress registration fee and is €137.5 standard and €154 on site.

Postgraduate course: PG17 Sleep apnoea and hypoventilation: obstruction and more

Aims : to provide an update on the pathophysiology and clinical phenotypes of various sleep-related breathing disorders, as well as diagnostic and therapeutic approaches.

Disease(s) : Respiratory critical care Sleep and breathing disorders

Method(s) : General respiratory patient care Pulmonary rehabilitation Respiratory intensive care

Tag(s) : Clinical

Target audience : General practitioner, Physiologist, Physiotherapist, Trainee, Adult pulmonologist/Clinician

Chairs : Johan Verbraecken (Edegem (Antwerp), Belgium), Oana Claudia Deleanu (Bucuresti, Romania)

14:00	Pathophysiology of obstructive sleep apnoea: from clinical closing pressure to ventilatory Winfried J. Randerath (Solingen, Germany)	124
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14:30	Heart rate variability, pulse wave and autonomic state: how to assess cardiovascular risk in a sleep laboratory Ludger Grote (Göteborg, Sweden)	125
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15:00	Group assignment Winfried J. Randerath (Solingen, Germany), Ludger Grote (Göteborg, Sweden)	126
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15:30	Break	127
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16:00	Central sleep apnoea: phenotypes, differentiation and therapeutic approaches Konrad E. Bloch (Zurich, Switzerland)	128
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16:30	Hypoventilation during sleep: risk factors, diagnostic algorithms and therapeutic approaches Anita Simonds (London, United Kingdom)	129
17:00	Group assignment Konrad E. Bloch (Zurich, Switzerland), Anita Simonds (London, United Kingdom)	130

6F Session 29 14:00 - 17:30

Registration for this session is additional to the congress registration fee and is €137.5 standard and €154 on site.

Postgraduate course: PG18 Haemodynamics and right ventricular function during exercise

Aims : to describe the physiology of the right ventricle and pulmonary circulation at rest and during exercise; to present the most important clinical methods for assessment of haemodynamics and right ventricular function and will aid diagnostic and therapeutic decision-making in daily clinical routine. We aim to focus on healthy conditions and the most important diseases affecting pulmonary circulation, such as pulmonary hypertension.

Disease(s) : Pulmonary vascular diseases

Method(s) : Imaging Physiology

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, Physiologist, Radiologist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Harm Jan Bogaard (Amsterdam, Netherlands), Robert Naeije (Beersel, Belgium)

14:00	Physiology, assessment and clinical relevance of resting pulmonary haemodynamics Bradley Maron (Boston, United States of America)	148
14:30	Right ventricular function at rest Frances S. De Man (Amsterdam, Netherlands)	149
15:00	Physiology, assessment and clinical relevance of pulmonary haemodynamics during exercise Gabor Kovacs (Graz, Austria)	150
15:30	Break	151
16:00	Adaptation or maladaptation of the right ventricle to exercise in athletes: differences and similarities with pulmonary hypertension Robert Naeije (Beersel, Belgium)	152
16:30	Group assignment Frances S. De Man (Amsterdam, Netherlands), Gabor Kovacs (Graz, Austria), Robert Naeije (Beersel, Belgium), Bradley Maron (Boston, United States of America)	153

8C Session 3 08:30 - 11:00

Language session: Chinese programme 2019: Part I

A joint ERS/CTS session

Aims : to present and discuss the new advances in respiratory medicine presented by experienced speakers from the ERS leadership and Chinese leaders in respiratory medicine; to present an overview of respiratory disease research, community-acquired pneumonia, influenza, bronchology and interventional pulmonology in Europe and China.

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Policy maker, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Adult pulmonologist/Clinician

Chairs : Tobias Welte (Hannover, Germany), Chair to be confirmed

08:30	Research emphasis in China: big data network for respiratory health Jinping Zheng (Guangzhou (Guangdong), China)	1
09:00	Research priorities in Europe: the 2019 ERS Presidential Summit action plan Tobias Welte (Hannover, Germany)	2
09:30	Bronchology and interventional pulmonology in China: the past, present and future Guangfang Wang (, China)	3
10:00	Interventional pneumology in Europe: cutting-edge technology Stefano Gasparini (Ancona (AN), Italy)	4

10:30 Break

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8A Session 9 09:30 - 11:20

Language session: French programme 2019: Part I

A joint ERS/SPLF session

Aims : to provide French-speaking respiratory physicians with an update on major clinical topics in the field of respiratory medicine.**Disease(s)** : Airway diseases Interstitial lung diseases Thoracic oncology**Method(s)** : Public health Pulmonary rehabilitation Transplantation**Tag(s)** : Clinical**Target audience** : Clinical researcher, Thoracic oncologist, Adult pulmonologist/Clinician**Chairs** : Nicolas Roche (Paris, France), Guy Brusselle (Ghent, Belgium)

09:30	Maladie thrombo-embolique: les nouvelles recommandations Thrombo-embolic disease: new recommendations Olivier Sanchez (Paris, France)	43
09:55	Où en sommes-nous dans le dépistage du cancer bronchique? Screening for lung cancer: where are we? Marie-Pierre Revel (Paris, France), Speaker to be confirmed	44
10:20	Démarche de prise en charge des apnées centrales du sommeil Management of central sleep apnoea Sandrine Launois Rollinat (Paris, France)	45
10:45	Stratégie de prise en charge de l'asthme allergique Management strategy for allergic asthma Alain Didier (Toulouse, France)	46
11:10	Break	47

N103 Session 12 09:30 - 11:30

Primary care session: Part I: Prevention and management of respiratory infections in primary care.

Respiratory infections in routine clinical practice

Aims : to describe how respiratory infections are major health problems in primary care; to cover several aspects of what can be encountered in daily practice.**Disease(s)** : Airway diseases Paediatric respiratory diseases Respiratory infections**Method(s)** : Epidemiology General respiratory patient care Public health**Tag(s)** : Clinical**Target audience** : General practitioner, Paediatrician, Patient, Student, Adult pulmonologist/Clinician**Chairs** : Rachel Jordan (Birmingham (West Midlands), United Kingdom), Miguel Román Rodriguez (Palma De Mallorca, Spain)

09:30	Infections in children: is there an underlying rare disease? Jonathan Grigg (London, United Kingdom)	59
09:55	Community-acquired pneumonia Carles Llor Vila (Barcelona, Spain)	60
10:20	Vaccinations for respiratory disease Maarten Postma (Groningen, Netherlands)	61
10:45	Infections phenotyping COPD Marc Miravittles (Barcelona, Spain)	62
11:10	Break	63

8C **Session 18** **11:00 - 13:00****Language session: Chinese programme 2019: Part II**
a joint ERS/CTS session

Aims : to present and discuss the new advances in respiratory medicine presented by experienced speakers from the ERS leadership and Chinese leaders in respiratory medicine; to present an overview of respiratory disease research, community-acquired pneumonia, influenza, bronchology and interventional pulmonology in Europe and China.

Disease(s) : Respiratory infections

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Policy maker, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Adult pulmonologist/Clinician

Chairs : Rongchang Chen (Guangzhou (Guangdong), China), Charlotte Suppli Ulrik (Virum, Denmark)

11:00	The global burden of pneumonia in China and the world: a Global Burden of Disease comparison Joan B Soriano (Madrid, Spain)	94
11:30	Progress in tuberculosis Graham H. Bothamley (London, United Kingdom)	95
12:00	Prevention and control of influenza in China Rongchang Chen (Guangzhou (Guangdong), China)	96
12:30	Severe community-acquired pneumonia in China: epidemiology and clinical practice Jieming Qu (Shanghai, China)	97

8A **Session 19** **11:20 - 13:00****Language session: French programme 2019: Part II**
A joint ERS/SPLF session

Aims : to provide French-speaking respiratory physicians with an update on major clinical topics in the field of respiratory medicine.

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology

Method(s) : Public health Pulmonary rehabilitation Transplantation

Tag(s) : Clinical

Target audience : Clinical researcher, Thoracic oncologist, Adult pulmonologist/Clinician

Chairs : Jean-Charles Dalphin (Besançon, France), Thierry Troosters (Leuven, Belgium)

11:20	Génétique des pneumonies infiltrantes diffuses Genetics of diffuse interstitial lung disease Raphaël Borie (Paris, France)	98
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11:45	Coaching et prise de décision partagée dans les maladies respiratoires chroniques Coaching and shared decision-making in chronic respiratory diseases Jean Bourbeau (Montréal (QC), Canada)	99
12:10	Transplantation pulmonaire à l'heure de la médecine de précision Lung transplantation in the era of precision medicine Adrien Tissot (Nantes, France)	100
12:35	Tuberculose sous toutes ses formes Tuberculosis in all its forms Fatma Tritar (Ariana, Tunisia)	101

N103 Session 20 11:30 - 13:00

Primary care session: Part II: Typical cases in primary care with novel insights into management
An interactive discussion of the most recent insights into the management of primary care-treated diseases using cases

Aims : to discuss current challenges in primary care management of respiratory diseases; to present how to diagnose and manage sleep apnoea; to address whether interstitial lung disease can be identified earlier; to present what to do regarding short-acting β -agonist use in asthma and what should be said if a patient wants to quit smoking using vapour.

Disease(s) : Airway diseases Interstitial lung diseases Sleep and breathing disorders

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : General practitioner, Patient, Adult pulmonologist/Clinician

Chairs : Janwillem W. H. Kocks (Groningen, Netherlands), Ioanna Tsiligianni (Heraklion (Crete), Greece)

11:30	Typical primary care cases: obstructive sleep apnoea Claudia Vincente (Coimbra, Portugal)	102
12:00	Typical primary care case: an asthma patient that uses his blue inhaler three times a day Darush Attar (London, United Kingdom)	104
12:30	Typical primary care case: a smoker that wants to quit using electronic cigarettes Paraskevi Katsaounou (Athens, Greece)	105

7A Session 22 13:00 - 16:00

HERMES examination: ERS HERMES Examinations in Adult and Paediatric Respiratory Medicine

8C Session 23 13:30 - 15:35

Language session: Russian speaking programme 2019: Part I
Respiratory diseases and pregnancy (A joint ERS/RRS/ARSRM session)

Aims : to present new knowledge about the diagnosis and management of respiratory diseases in pregnancy.

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Michael Schatz (San Diego, United States of America), Rustem Fassakhov (Kazan (Republic of Tatarstan), Russian Federation)

13:30	Asthma and pregnancy Rustem Fassakhov (Kazan (Republic of Tatarstan), Russian Federation)	113
13:55	Difficulties in the treatment of asthma in pregnant women Michael Schatz (San Diego, United States of America)	114
14:20	Pulmonary hypertension in pregnancy Alexander G. Chuchalin (Moscow, Russian Federation)	115
14:45	Pulmonary embolism during pregnancy Guy Meyer (Paris Cedex 15, France)	116
15:10	Break	117

8A Session 27 14:00 - 16:00

Language session: Spanish/Portuguese programme 2019: Part I

A joint ERS/ALAT/SBPT/SEPAR/SPP session

Aims : to describe the scenario of smoking cessation in medical schools in Spain, Portugal and LatinAmerica, to describe the initiative and report and present its final goal.

to describe the proposed cognitive interventions for medical students

to improve awareness of the gaps in teaching tobacco addiction and related health consequences in medical schools and proposing standards for filling this gap in Latin America.

Note that the presentations will be conducted in Portuguese or Spanish and in English. Spanish/Portuguese and English versions of the slides will be projected simultaneously.

Method(s) : Public health

Tag(s) : Translational

Target audience : Policy maker, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Gustavo Zabert (Neuquén, Argentina), Marcos Garcia Rueda (Malaga, Spain)

14:00	Introduction Carlos Andres Jimenez Ruiz (Madrid, Spain)	137
14:10	Global Vision of the Document on smoking cessation training for medical school Carlos Andres Jimenez Ruiz (Madrid, Spain)	138
14:35	Objectives, methodology and outcomes in training medical students for cognitive interventions Gustavo Zabert (Neuquén, Argentina)	139
15:00	Panel discussion	140
15:30	Break	141

8C Session 33 15:35 - 17:30

Language session: Russian speaking programme 2019: Part II

Respiratory diseases and pregnancy (A joint ERS/RRS/ARSRM session)

Aims : to present new knowledge about the diagnosis and management of respiratory diseases in pregnancy.

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Alexey Pak (Astana, Kazakhstan), Alena Skrahina (Minsk region, Belarus)

15:35	Respiratory physiology and pregnancy Antonella LoMauro (Milano (MI), Italy)	171
16:00	Sleep disturbances in pregnancy Irina Madaeva (Irkutsk, Russian Federation)	172
16:25	Pregnancy and tuberculosis Alena Skrahina (Minsk region, Belarus)	173
17:05	Cystic fibrosis and pregnancy Elena Amelina (Moscow, Russian Federation)	174

8A Session 34 16:00 - 17:30

Language session: Spanish/Portuguese programme 2019: Part II

A joint ERS/ALAT/SBPT/SEPAR/SPP session

Aims : to describe the scenario of smoking cessation in medical schools in Spain, Portugal and LatinAmerica, to describe the initiative and report and present its final goal.

to describe the proposed cognitive interventions for medical students

to improve awareness of the gaps in teaching tobacco addiction and related health consequences in medical schools and proposing standards for filling this gap in Latin America.

Note that the presentations will be conducted in Portuguese or Spanish and in English. Spanish/Portuguese and English versions of the slides will be projected simultaneously.

Tag(s) : Translational

Chairs : Jose Miguel Chatkin (Porto Alegre (RS), Brazil), António Morais (Maia, Portugal)

16:00	Introduction Jose Miguel Chatkin (Porto Alegre (RS), Brazil)	175
16:10	Pharmacotherapy Paula Cristina Lopes Rosa De Aldomiro (Lisboa, Portugal)	176
16:35	New ways of using nicotine Alberto Araujo (Rio De Janeiro (RJ), Brazil)	177
17:00	Panel discussion	178

No Room	Session	17:00 - 19:00
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Game Zone: Game Zone - Training

Bronchoscopy

Gregoris Stratakos (Athens, Greece)

Chest drain placement

Stefano Elia (Roma (RM), Italy)

Cryobiopsy

Venerino Poletti (Forli, Italy)

Endobronchial valve placement

Daniela Gompelmann (Heidelberg, Germany)

Inspiratory muscle training

Daniel Langer (Leuven, Belgium)

Rigid bronchoscopy

Gregoris Stratakos (Athens, Greece)

Spirometry

Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom)

Thoracic ultrasound

Pia Iben Pietersen (Odense C, Denmark)

Tracheal intubation

Raffaele Scala (Arezzo, Italy)

N100 **Session 65** **09:30 - 11:30**

Registration for this session is additional to the congress registration fee and is: €38.5 standard and €44 on site.

Professional development workshop: PDW3 Leading and managing change

Aims : to help delegates identify the causes of resistance to change and to use strategies to overcome this resistance; to utilise steps in planned change; to effectively communicate and motivate throughout change; to engage staff members in the change process.

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Physiology Public health Pulmonary function testing Respiratory intensive care Surgery Transplantation

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Pathologist, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Gernot G.U. Rohde (Frankfurt am Main, Germany), Louellen N. Essex (Wayzata, United States of America)

09:30	Introduction: Overview of Leading and Managing Change	400
09:40	Why change efforts might fail: what the research tells us Louellen N. Essex (Wayzata, United States of America)	401
10:00	The personal response to change Louellen N. Essex (Wayzata, United States of America)	402
10:20	The planned change process: steps and guidelines Louellen N. Essex (Wayzata, United States of America)	403
10:40	The leader as a role model Louellen N. Essex (Wayzata, United States of America)	404
11:10	Action planning: how to apply what has been learned Louellen N. Essex (Wayzata, United States of America)	405
11:20	Question-and-answer session Louellen N. Essex (Wayzata, United States of America)	406

N100 **Session 94** **11:45 - 14:15**

Registration for this session is additional to the congress registration fee and is: €38.5 standard and €44 on site.

Professional development workshop: PDW4 Medical writing**How to write an article**

Aims : To explain basics of medical writing to an audience of ERS members from any assembly, and at various levels of professional qualification.

Method(s) : General respiratory patient care

Tag(s) : Translational

Target audience : Clinical researcher, Trainee, General practitioner, Student, Scientist (basic, translational)

Chairs : Gilbert Massard (Esch Sur Alzette, Luxembourg)

11:45	Welcome Gilbert Massard (Esch Sur Alzette, Luxembourg), Enrico Ruffini (Torino (TO), Italy)	617
11:55	Introduction. Why should we publish? Enrico Ruffini (Torino (TO), Italy)	618
12:25	Learn from errors exercise - group exercise Gilbert Massard (Esch Sur Alzette, Luxembourg), Enrico Ruffini (Torino (TO), Italy)	619
13:25	Different types of articles Gilbert Massard (Esch Sur Alzette, Luxembourg)	620
13:35	Cycle of a manuscript Gilbert Massard (Esch Sur Alzette, Luxembourg)	621
14:05	Feedback and evaluation Enrico Ruffini (Torino (TO), Italy), Gilbert Massard (Esch Sur Alzette, Luxembourg)	622

N100 Session 168 14:30 - 16:50*Registration for this session is additional to the congress registration fee and is: €38.5 standard and €44 on site.***Professional development workshop: PDW5 End of life care for elderly asthmatic and COPD patients****Aims :** to help the physicians 1) predict the natural course of an advanced disease in patients with asthma and COPD, and 2) develop a plan for palliative care and manage dyspnoea in terminally ill patients**Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Palliative care**Tag(s) :** Clinical**Target audience :** Critical/Intensive care physician, General practitioner, Student, Patient, Trainee, Adult pulmonologist/Clinician**Chairs :** Mark W. Elliott (Leeds (West Yorkshire), United Kingdom)

14:30	Introduction	1533
14:40	Detection of advanced disease, advance care planning and recognition of dying for people with COPD Joan Escarrabill Sanglas (Barcelona, Spain), Andras Bikov (Budapest, Hungary)	1534
15:10	Should patients with life-threatening severe asthma be intubated Gennaro D'Amato (Napoli (NA), Italy)	1535
15:40	Symptom management at the end of life Miriam Barrecheguren Fernandez (Barcelona, Spain)	1536
16:10	End-stage respiratory diseases and respiratory support Stefano Nava (Bologna (BO), Italy)	1537
16:40	Conclusion and final remarks	1538

NEPTUNO Session 70 10:40 - 13:00*Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.***Skills workshop: SW4 Endoscopy****Learn from the experts****Aims :** to provide training in the skills required to perform endoscopic procedures. Description of the workstations**Disease(s) :** Airway diseases Interstitial lung diseases Thoracic oncology**Method(s) :** Endoscopy and interventional pulmonology**Tag(s) :** Clinical**Target audience :** Clinical researcher, Critical/Intensive care physician, Paediatrician, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Pallav L. Shah (London, United Kingdom)

	Introduction Pallav L. Shah (London, United Kingdom)	412
	Endobronchial ultrasound and endobronchial ultrasound bronchoscopy Maren Schuhmann (Heidelberg, Germany)	413
	Targeted lung denervation Dirk-Jan Slebos (Groningen, Netherlands)	414
	Stent placement Sebastian Fernandez Bussy (Santiago, Chile)	415
	Cryobiopsy Konstantina Kontogianni (Heidelberg, Germany)	416

N105 Session 71 10:40 - 13:00*Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.***Skills workshop: SW5 Bedside evaluation of diaphragm and limb muscle function using ultrasound**

Aims : to provide different ways to evaluate muscle function at the bedside using ultrasonography; to discuss the evaluation of dynamic muscle thickening fraction and diaphragm excursion; to demonstrate and discuss assessments, and their usefulness for evaluation purposes. Description of the workstations

Disease(s) : Airway diseases Respiratory critical care

Method(s) : Pulmonary function testing Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, Lung function technologist, Nurse, Physiologist, Physiotherapist, Radiologist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Pieter Roel Tuinman (Amsterdam, Netherlands)

Introduction	417
Evaluation of limb muscle function using ultrasonography Johan Segers (Leuven, Belgium)	418
Evaluation of diaphragm thickness using ultrasonography Jonne Doorduyn (Nijmegen, Netherlands)	419
Evaluation of diaphragm thickening fraction using ultrasonography Zhonghua Shi (Amsterdam, Netherlands)	420
Evaluation of diaphragm excursion using ultrasonography Martin Dres (Paris, France)	421

COLON

Session 69

10:40 - 13:00

Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.

Skills workshop: SW6 Diffusing capacity testing

Single-breath carbon monoxide uptake

Aims : to provide participants with the skills and background knowledge to perform diffusing capacity tests (i.e., DLCO) according to best practice and in accordance with the latest recommendations; to learn how to write and compile reports and to interpret tests, and to acquire the technical and physiological knowledge required to perform and interpret the tests. Description of the workstations

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, Lung function technologist, Nurse, Physiologist, Scientist (basic, translational), Student

Chairs : Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom)

Introduction	407
Calibration, quality control and system settings Felip Burgos Rincon (Barcelona, Spain)	408
Technical aspects of diffusing capacity testing Adrian Hugh Kendrick (Bristol (Avon), United Kingdom)	409
Standardisation of test performance Aisling McGowan (Dublin, Ireland)	410
Reporting and interpretation of case studies Bruce Thompson (Hawthorn, Australia)	411

NEPTUNO

Session 166

14:30 - 16:50

Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.

Skills workshop: SW7 Endoscopy

Learn from the experts

Aims : to provide training in the skills required to perform endoscopic procedures. Description of the workstations

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, Paediatrician, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Felix J.F. Herth (Heidelberg, Germany)

Introduction	1523
Endobronchial ultrasound and endobronchial ultrasound bronchoscopy Laurence M.M.J. Crombag (Huizen, Netherlands)	1524
Targeted lung denervation Peter I. Bonta (Amsterdam, Netherlands)	1525
Stent placement Elaine Yap (Auckland, New Zealand)	1526
Cryobiopsy Anastasios Palamidis (Egaleo (Athens), Greece)	1527

N105 Session 167 14:30 - 16:50

Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.

Skills workshop: SW8 Bedside evaluation of diaphragm and limb muscle function using ultrasound

Aims : to provide different ways to evaluate muscle function at the bedside using ultrasonography; to discuss the evaluation of dynamic muscle thickening fraction and diaphragm excursion; to demonstrate and discuss assessments, and their usefulness for evaluation purposes. Description of the workstations

Disease(s) : **Airway diseases** **Respiratory critical care**

Method(s) : Pulmonary function testing Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, Lung function technologist, Nurse, Physiologist, Physiotherapist, Radiologist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Wendy Darlene Reid (Toronto (ON), Canada)

Introduction	1528
Evaluation of limb muscle function using ultrasonography Selina M Parry (Parkville (VIC), Australia)	1529
Evaluation of diaphragm thickness using ultrasonography Massimo Zambon (Milan, Italy)	1530
Evaluation of diaphragm thickening fraction using ultrasonography Pieter Roel Tuinman (Amsterdam, Netherlands)	1531
Evaluation of diaphragm excursion using ultrasonography Zhonghua Shi (Amsterdam, Netherlands)	1532

COLON Session 165 14:30 - 16:50

Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.

Skills workshop: SW9 Diffusing capacity testing Single-breath carbon monoxide uptake

Aims : to provide participants with the skills and background knowledge to perform diffusing capacity tests (i.e., DLCO) according to best practice and in accordance with the latest recommendations; to learn how to write and compile reports and to interpret tests, and to acquire the technical and physiological knowledge required to perform and interpret the tests. Description of the workstations

Disease(s) : **Airway diseases** **Interstitial lung diseases** **Pulmonary vascular diseases**

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, Lung function technologist, Nurse, Physiologist, Scientist (basic, translational), Student

Chairs : Aisling McGowan (Dublin, Ireland)

Introduction	1518
Calibration, quality control and system settings Frans H.C. De Jongh (Enschede, Netherlands)	1519

Technical aspects of diffusing capacity testing 1520
Brendan Cooper (Edgbaston (Birmingham), United Kingdom)

Standardisation of test performance 1521
Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom)

Reporting and interpretation of case studies 1522
Irene Steenbruggen (Zwolle, Netherlands)

N115 Session 154 13:00 - 14:00

Registration for this session is additional to the congress registration fee and is €99 standard and €110 on site.

Meet the expert: ME1 Preschool wheeze

Aims : to provide insights into the early origins of preschool wheeze including prenatal risk factors, the pathophysiology and treatment of preschool wheeze, risk factors for subsequent development of asthma and possible interventions.

Disease(s) : Paediatric respiratory diseases Airway diseases

Method(s) : Epidemiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Paediatrician, Scientist (basic, translational), Student, Trainee

Chairs : Raffaella Nenna (Tucson, United States of America)

13:00 **Preschool wheeze** 1501
Sejal Saglani (London, United Kingdom)

N116 Session 155 13:00 - 14:00

Registration for this session is additional to the congress registration fee and is €99 standard and €110 on site.

Meet the expert: ME2 Improving donor organ quality: the role of ex vivo lung perfusion

Aims : to identify indications for ex vivo lung perfusion (EVLP); to describe how the EVLP is performed; to learn how this technique will be further developed via application of more advanced curative and preventive protocols to improve immediate and long-term graft acceptance.

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : Cell and molecular biology Surgery Transplantation

Tag(s) : Clinical

Target audience : Clinical researcher, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

13:00 **Improving donor organ quality: the role of ex vivo lung perfusion** 1502
Marcelo Cypel (Toronto (ON), Canada)

N118 Session 156 13:00 - 14:00

Registration for this session is additional to the congress registration fee and is €99 standard and €110 on site.

Meet the expert: ME3 Evaluation of unexplained breathlessness

Aims : to increase awareness of the differential diagnosis of patients with unexplained breathlessness, including discussion of laryngeal dysfunction, dysfunctional breathing and unusual causes of refractory/unexplained breathlessness in pulmonary practise; to explain how to evaluate unexplained breathlessness using the best diagnostic tests, including cardiopulmonary exercise testing and continuous laryngoscopy during exercise testing; and to discuss diagnostic tips and clinical strategies to improve clinical practise in cases of unexplained breathlessness.

Disease(s) : Airway diseases Sleep and breathing disorders

Tag(s) : Clinical

Target audience : Allergist, Lung function technologist, Nurse, Patient, Physiologist, Adult pulmonologist/Clinician

Chairs : Thomas Bahmer (Kiel, Germany)

13:00 **Evaluation of unexplained breathlessness** 1503
Pierantonio Laveneziana (Paris, France)

6B Session 37 07:00 - 08:15

Challenging clinical cases: Respiratory critical care

Aims : to describe the history, pathology, analysis and treatment of complex clinical cases in respiratory critical care area. The session leaders will facilitate a discussion with the case presenters and the audience in order to examine and discuss each case.

Disease(s) : Respiratory critical care**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Critical/Intensive care physician, Clinical researcher, General practitioner, Paediatrician, Thoracic oncologist, Thoracic surgeon, Pathologist, Nurse, Radiologist, Trainee**Chairs :** Pilar De Lucas Ramos (Madrid, Spain), Sarah Schwarz (Köln, Germany)

07:00	Successful multimodality managements of severe pulmonary artery hypertension in pregnancy with VA-ECMO and atrial septostomy using stent Vorakamol Phoophiboon (Bangkok, Thailand)	179
07:15	Cerebral and spinal air embolism and myocardial infarction following diagnostic flexible bronchoscopy Andreas Thelle (Bergen, Norway)	180
07:30	Kocuria species: an emerging bacterial infection in critical ill patients Roberta Fittipaldi Palazzo (Rio De Janeiro (RJ), Brazil)	181
07:45	Diaphragmatic flutter in a male adolescent - A very rare case report Siva Yuvarajan (PONDICHERY (Tamil Nadu), India)	182
08:00	Successful Treatment of Tracheal Stenosis with Cryospray Therapy Raed Alalawi (Phoenix, United States of America)	183

6C

Session 38

07:00 - 08:15

Challenging clinical cases: Thoracic oncology**Aims :** to describe the history, pathology, analysis and treatment of complex clinical cases in thoracic oncology area. The session leaders will facilitate a discussion with the case presenters and the audience in order to examine and discuss each case.**Disease(s) :** Thoracic oncology**Tag(s) :** Clinical**Target audience :** Thoracic oncologist, Thoracic surgeon, Critical/Intensive care physician, Adult pulmonologist/Clinician, General practitioner, Paediatrician, Pathologist, Nurse, Radiologist, Clinical researcher, Trainee**Chairs :** Sam Janes (London, United Kingdom), Joanna Domaga a-Kulawik (Warszawa, Poland)

07:00	Metastasis masquerading as disseminated TB Dinesh Raj (Trichy, India)	184
07:15	A rare choroidal metastasis in ALK+ non-small cell lung cancer (NSCLC) that responds to Crizotinib Marie Drösslerová (Opava 5, Czech Republic)	185
07:30	Rapid and sustained airway control in metastatic malignant melanoma Sarah Cullivan (Cavan, Ireland)	186
07:45	Mediastinal mass and Graves Disease - when is biopsy needed? Maria Inês Matias Leitão (Coimbra, Portugal)	187
08:00	Primary pulmonary adenoid cystic carcinoma in a young patient Carolina Pessoa De Matos Cabo (Coimbra, Portugal)	188

RETIRO

Session 39

07:00 - 08:15

Challenging clinical cases: Sleep and breathing disorders**Aims :** to describe the history, pathology, analysis and treatment of complex clinical cases in sleep and breathing disorders area. The session leaders will facilitate a discussion with the case presenters and the audience in order to examine and discuss each case.**Disease(s) :** Sleep and breathing disorders**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, General practitioner, Clinical researcher, Paediatrician, Lung function technologist, Physiologist, Nurse, Trainee**Chairs :** Raphael Heinzer (Lausanne, Switzerland), Sophia E. Schiza (Heraklion, Greece)

07:00	A case of obstructive sleep apnea with brady-tachy syndrome Shiho Okabe (Tokyo, Japan)	189
07:15	Severe obstructive sleep apnea (OSA) and orthognathic surgery: a case of success Mónica Helena Correia Pereira (Mirandela, Portugal)	190

07:30	Can hemoptysis be the presenting symptom of Obstructive Sleep Apnea? Francisco Viana Machado (Porto, Portugal)	191
07:45	Late-onset, diagnosed in a 60 year-old patient with insidious course, congenital central hypoventilation syndrome Jiro Terada (Chiba City, Japan)	192
08:00	The benefit of servo ventilation in Eisenmenger syndrome Sara Carla Moura Cabral (Matosinhos, Portugal)	193

8B Session 43 08:30 - 10:30

Year in review: Scientific Year in review

Respiratory infections: prevention and role in disease progression

Aims : to summarize and discuss major break-throughs in vaccination strategies, insight into innate memory for infection, and interactions between bacterial and viral infections during exacerbations; to outline possible prevention and therapeutic approaches based on these new insights.

Disease(s) : Airway diseases Respiratory infections

Method(s) : Cell and molecular biology

Tag(s) : Translational

Target audience : Clinical researcher, Critical/Intensive care physician, Paediatrician, Scientist (basic, translational), Adult pulmonologist/Clinician

Chairs : Pieter S. Hiemstra (Leiden, Netherlands), Catherine Greene (Dublin, Ireland), Graham H. Bothamley (London, United Kingdom)

08:30	Ceremony of ERS Romain Pauwels Research Award Pieter S. Hiemstra (Leiden, Netherlands)	209
08:40	Innate and adaptive immunity against Streptococcus pneumonia Simon Jochems (Leiden, Netherlands)	211
09:12	Trained immunity: a way of improving respiratory health through innate immune memory Simone A. Joosten (Leiden, Netherlands)	212
09:44	Interactions between bacterial and viral infections during COPD exacerbations: implications for prevention strategies Sebastian L. Johnston (London, United Kingdom)	213
10:16	Panel discussion	210

7A Session 44 08:30 - 10:30

Guidelines session: Severe asthma guidelines: update 2019

ERS/ATS guidelines

Aims : to review the role of biomarkers in treatment planning for severe asthma; to discuss the roles of new anti-type monoclonal antibodies in TH2-high asthma; to explore the treatment of non-eosinophilic asthma with specific reference to long-acting muscarinic agents and macrolides.

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology Physiology Pulmonary function testing Respiratory intensive care

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Nurse, Paediatrician, Pathologist, Patient, Physiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Fernando Holguin (Aurora, United States of America), Andrew Bush (London, United Kingdom)

08:30	Clinical approach to very severe asthma and changes from the previous ERS-ATS task force Juan Carlos Cardet (Tampa, United States of America)	214
09:00	The role of biomarkers in the management of severe asthma Kian Fan Chung (London, United Kingdom)	215
09:30	TH2-high asthma: a practical approach with cases and interactive questions Parameswaran Nair (Hamilton (ON), Canada)	216
10:00	Non-eosinophilic asthma: a practical approach with cases and interactive questions Florence Schleich (Liège, Belgium)	217

9E Session 45 08:30 - 10:30

Hot topics: Acute respiratory failure

Aims : to discuss 1) hot topics in respiratory critical care medicine with relevance to clinical practice such as mechanical ventilation, weaning from ventilatory support and end-stage right-sided heart failure; 2) the findings of the ERS statement on chest imaging in acute critically ill patients.

Disease(s) : Pulmonary vascular diseases Respiratory critical care

Method(s) : Imaging Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, Radiologist

Chairs : Aylin Özsancağ U urlu (Istanbul, Turkey), Stephanie Levine (San Antonio, United States of America), Clayton T. Cowl (Rochester, United States of America)

08:30	ERS statement on chest imaging in intensive care unit patients Paolo Navalesi (Milan, Italy)	218
09:00	Worldwide practice on ventilator management in acute respiratory failure patients Marcus Schultz (Amsterdam, Netherlands)	219
09:30	Worldwide perspective on weaning from mechanical ventilation: insights from WEAN SAFE Leo Heunks (Amsterdam, Netherlands), Barbara Johnson (sheffield, United Kingdom)	220
10:00	Bridging to lung transplantation in end-stage right-sided heart failure Olaf Mercier (Le Plessis-Robinson, France)	221

9A Session 46 08:30 - 10:30

Symposium: Effects of pulmonary rehabilitation other than improving exercise capacity
Targeting cardiometabolic risk, muscle wasting, pulmonary and systemic inflammation and patient motivation through pulmonary rehabilitation

Aims : to describe the components and effects of pulmonary rehabilitation other than exercise training and improving exercise performance; to present a state-of-the-art overview of interventions aimed at reducing cardiometabolic risk and innovative strategies targeting muscle wasting; to explain that pulmonary rehabilitation affects the main features of respiratory diseases, including airway and systemic inflammation, and disease stability; to discuss patient motivation as an important treatment goal and factor associated with long-term lifestyle changes following pulmonary rehabilitation.

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Physiology Pulmonary rehabilitation

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Patient, Physiologist, Physiotherapist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Rainer Gloeckl (Schoenau am Koenigssee, Germany), Martijn A. Spruit (Horn, Netherlands)

08:30	My experience of pulmonary rehabilitation: a patient perspective Matthew Cullen (Dublin, Ireland)	222
08:45	Modulation of cardiometabolic risk by pulmonary rehabilitation Rosanne J.H.C.G. Beijers (Maastricht, Netherlands)	223
09:11	Effects of pulmonary rehabilitation on the main features of severe asthma Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil)	224
09:37	Novel approaches for targeting muscle wasting in COPD Michael Steiner (Leicester (Leicestershire), United Kingdom)	225
10:03	Patient motivation during pulmonary rehabilitation Marilyn Moy (West Roxbury, United States of America)	226

9C Session 47 08:30 - 10:30

Symposium: Respiratory medicine meets ear, nose and throat experts
A joint ERS/Confederation of European Otorhinolaryngology - Head and Neck Surgery (ORL-HNS) session

Disease(s) : Airway diseases Thoracic oncology

Tag(s) : Clinical, Translational

Target audience : Allergist, General practitioner, Thoracic oncologist, Adult pulmonologist/Clinician

Chairs : Christopher E. Brightling (Leicester (Leicestershire), United Kingdom), Chair to be confirmed

08:30	Differential diagnosis of united airway disorders (affecting the upper and lower airways) Peter Hellings (Leuven, Belgium)	227
09:00	Chronic rhinosinusitis: from endotyping to biologicals Claus Bachert (Ghent, Belgium)	228
09:30	Cough in the upper airway with vocal cord dysfunction Ozan Ozgursoy (Ankara, Turkey)	229
10:00	Laryngeal cancer and lung cancer in heavy smokers: two sides of the same coin? Ana Castro (Santa Maria da Feira, Portugal)	230

9D Session 48 08:30 - 10:30

Symposium: Exploring the link between inhaled corticosteroids and respiratory infection

Aims : to discuss emerging data concerning the role of inhaled corticosteroids in respiratory infections; to review the impact of inhaled corticosteroids on the risk of infection in the era of triple therapy, the impact of inhaled corticosteroids on the lung microbiome and how inhaled corticosteroids may increase susceptibility to viral-induced exacerbations of COPD.

Disease(s) : Airway diseases Respiratory infections

Method(s) : Cell and molecular biology Epidemiology

Tag(s) : Translational

Target audience : Clinical researcher, General practitioner, Nurse, Patient, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Natalie Lorent (Leuven, Belgium), Tobias Welte (Hannover, Germany)

08:30	Impacts of inhaled corticosteroids on antiviral and antibacterial immunity in the lung Aran Singanayagam (London, United Kingdom)	231
09:00	Inhaled corticosteroids, bacterial load and the lung microbiome in COPD Thomas Wilkinson (Southampton (Hampshire), United Kingdom)	232
09:30	Inhaled corticosteroids and the increased risk of non-tuberculous mycobacteria infection Sarah Brode (Toronto (ON), Canada)	233
10:00	What do new data concerning triple therapy tell us about the risk of infection? MeiLan K. Han (Ann Arbor, United States of America)	234

8C Session 49 08:30 - 10:30

Symposium: New insights into quality control of lung function testing

Aims : to describe the impact and relevance of quality control in pulmonary laboratories for continual improvement and quality assurance to present the 1) re-examination of biological control in spirometry, 2) how to implement quality control in line with the DLCO/DLNO guidelines issued in 2017, 3) quality control standards in cardiopulmonary exercise testing and 4) data management in quality control programmes.

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, Lung function technologist, Nurse, Physiologist, Adult pulmonologist/Clinician

Chairs : Jellien Makonga-Braaksma (Woudenberg, Netherlands), Andrea Aliverti (Milan, Italy)

08:30	What's new in spirometry biological quality control Bruce Thompson (Hawthorn, Australia)	235
08:55	Updated ATS/ERS Technical Standard on spirometry Brian L. Graham (Saskatoon (SK), Canada)	236
09:20	How to remain in line with the new DLCO/DLNO guidelines Adrian Hugh Kendrick (Bristol (Avon), United Kingdom)	237
09:45	Cardiopulmonary exercise testing: can you trust the data Martin Keith Johnson (Clydebank, United Kingdom)	238

10:10 **Recent advances in data management**
Jason Blonshine (Mason, United States of America)

239

9F **Session 50** **08:30 - 10:30**

Symposium: Breathing disorders, cardiovascular disease and pulmonary embolism guidelines
A joint ESC/ERS session

Aims : to describe and explore/review: 1) the role of positive airway pressure (continuous positive airway pressure CPAP/bilevel positive airway pressure BIPAP) in patients with combined heart failure and sleep apnoea; 2) the combining physiology and imaging in the diagnosis of pulmonary hypertension, 3) the novelty of the 2019 ESC/ERS guidelines for the management of pulmonary embolism, and 4) the impact of guidelines for the management of pulmonary embolism in clinical practice

Disease(s) : Pulmonary vascular diseases Sleep and breathing disorders

Method(s) : Imaging Physiology Pulmonary function testing Pulmonary rehabilitation

Tag(s) : Clinical

Target audience : Clinical researcher, Lung function technologist, Physiologist, Physiotherapist, Trainee, Adult pulmonologist/Clinician

Chairs : Marion Delcroix (Leuven, Belgium), Maria Bonsignore (Palermo, Italy)

08:30	Role of positive airway pressure (CPAP/BOPAP) in patients with combined heart failure and sleep apnoea Patrick Lévy (Grenoble, France)	240
09:00	Combining physiology and imaging in the diagnosis of pulmonary hypertension Anton Vonk Noordegraaf (Amsterdam, Netherlands)	241
09:30	What is new in the 2019 ESC/ERS guidelines for the management of pulmonary embolism? Stavros Konstantinides (Mainz, Germany)	242
10:00	Impact of guidelines for the management of pulmonary embolism in clinical practice Guy Meyer (Paris Cedex 15, France)	243

8A **Session 51** **08:30 - 10:30**

Oral presentation: Idiopathic pulmonary fibrosis and surroundings

Disease(s) : Interstitial lung diseases Sleep and breathing disorders Respiratory critical care

Method(s) : Imaging Cell and molecular biology Respiratory intensive care Endoscopy and interventional pulmonology Pulmonary function testing

Chairs : Marlies S. Wijsenbeek (Rotterdam, Netherlands), Vincent Cottin (Lyon, France)

OA244	Late Breaking Abstract - Evaluating the feasibility, safety, and efficacy of senolytics in idiopathic pulmonary fibrosis Anoop Nambiar (Shavano Park, United States of America), Jamie Justice, Tamar Tchkonja, Nathan Lebrasseur, Rodolfo Pascual, Shahrukh Hashmi, Larissa Prata, Michal Masternak, Nicolas Musi, Stephen Kritchevsky, James Kirkland
OA245	Late Breaking Abstract - Matrix-Assisted Laser Desorption/Ionization-Mass Spectrometry demonstrates inhaled drug deposition in transbronchial cryobiopsy samples of patients with Interstitial Lung Disease (ILD) Theresia Mikolasch (Cambridge (Cambridgeshire), United Kingdom), Peter S. Marshall, Eunice Oballa, Mitra Vahdati-Bolouri, Josie Morell, Emily Jarvis, Yi Cui, Anthony Cahn, Joanna C Porter
OA246	Late Breaking Abstract - A PET imaging study to confirm target engagement in the lungs of patients with IPF following a single dose of a novel inhaled $\alpha\text{v}\beta\text{6}$ integrin inhibitor Toby Maher (St. Albans, United Kingdom), Juliet Simpson, Joanna Porter, Robert Chan, Rhena Eames, Yi Cui, Sarah Siederer, Simon Parry, Julia Kenny, Robert Slack, Richard Marshall, Jagdeep Sahota, Gaia Rizzo, Graham Searle, Frederick Wilson, Azeem Saleem, Arthur Kang'Ombe, David Fairman, William Fahy, Mitra Vahdati-Bolouri
OA247	Late Breaking Abstract - Pathological features of lung lesions in PPFE of idiopathic or transplantation related cases with evaluation of the elastic fiber related conditions comparing to those of IPF/UIP Yasuhiro Terasaki (Tokyo, Japan), Yusuke Kigimoto, Yugo Okabe, Mika Terasaki, Shinobu Kunugi
OA248	Late Breaking Abstract - Elevated growth differentiation factor 15 in serum correlated with acute exacerbation of idiopathic pulmonary fibrosis Mengshu Cao (Nanjing, China), Lina Gu, Ju Lu
OA249	Late Breaking Abstract - The DIAMORFOSIS (DIAGNOSIS and Management Of lung cancerR and FibrOSIS) survey. Argyris Tzouvelekis (Athens, Greece), Katerina Antoniou, Michael Kreuter, Matthew Evison, Torsten Blum, Venerino Poletti, Paolo Spagnolo, Francesco Bonella, Bogdan Girgoriu, Carlo Vancheri, Jacques Cadranet, Demosthenes Bourros

- OA250** **Late Breaking Abstract - Survival and course of lung function in patients with idiopathic pulmonary fibrosis with or without antifibrotic treatment: long-term results of the INSIGHTS-IPF registry**
Juergen Behr (München, Germany), Hubert Wirtz, David Pittrow, Antje Prasse, Dirk Koschel, Silke Geier, Jens Klotsche, Stefan Andreas, Martin Claussen, Christian Grohé, Henrike Wilkens, Lars Hagemeyer, Dirk Skowasch, Joachim F Meyer, Joachim Kirschner, Sven Gläser, Nicolas Kahn, Tobias Welte, Claus Neurohr, Martin Schwaiblmair, Matthias Held, Thomas Bahmer, Tim Oqueka, Marion Frankenberger, Michael Kreuter

9B Session 52 08:30 - 10:30

Oral presentation: Diagnosis and assessment of airway diseases in primary care

Disease(s) : Sleep and breathing disorders Airway diseases

Method(s) : General respiratory patient care Pulmonary function testing Public health Epidemiology

Chairs : Rachel Jordan (Birmingham (West Midlands), United Kingdom), Luke Daines (Edinburgh (Edinburgh), United Kingdom)

- OA251** **Impact on spirometry knowledge after short training in mexican primary care**
Rosaura Esperanza Benítez Pérez (México, Mexico), Lorena Irineo González, Juan Carlos Vazquez Garcia, Eliza Sanchez Gallen, Sandra Ramirez Aguilar, Robert Camargo Angeles
- OA252** **Quality of spirometry in primary care: a focus on clinical use**
Bertine Flokstra - De Blok (Groningen, Netherlands), Susanne J. van de Hei, Hendrik-Jan Barretta, Nynke E Doornewaard - Ten Hertog, Ellen C M Ruberg, Irene Steenbruggen, Jan Willem K Van Den Berg, Kornelis W Patberg, Thys Van Der Molen, Bertine M J Flokstra - De Blok, Janwillem H Kocks
- OA253** **The use of a direct bronchial challenge test in primary care to diagnose asthma: an observational real-life study**
Janneke Bins (Rotterdam, Netherlands), Esther Metting, Jacqueline Muilwijk-Kroes, Johannes In 'T Veen
- OA254** **Spirometry, FeNO, and asthma control in children managed for asthma in primary care**
David Lo (Rothley, United Kingdom), Lesley Danvers, Damian Roland, Matthew Richardson, Yaling Yang, Caroline Beardsmore, Andrew Wilson, Erol Gaillard
- OA255** **STOP-BANG: a method to detect obstructive sleep apnea and discriminate for severity in primary care**
Marta Plana Pes (Cardedeu, Spain), Eric Rojas Calvera, Anna Torrente Nieto, Susana Mota Casals, Immaculada Castellà I Dagà, Anton Obrador I Legares, Mercè Salvans Sagué, Emilio Marco Segarra, Xavier Espuña Capote, Maria Buxó Pujolràs, Daniela Soledad Torres Scianca, Rafel Ramos Blanes, Ramon Orriols Martínez
- OA256** **Prevalence of asthma characteristics in COPD patients in a Dutch well-established asthma/COPD service for primary care**
Anna Jetske Baron (Groningen, Netherlands), Bertine M J Flokstra-De Blok, Ellen Heijst Van, Roland A Riemersma, Agnes M M Sonnenschein-Van Der Voort, Esther I Metting, Jan Willem H Kocks
- OA257** **Development of the Birmingham Lung Improvement Studies (BLISS) prognostic score for COPD patients in primary care: data from the Birmingham COPD cohort**
Rachel Jordan (Birmingham (West Midlands), United Kingdom), David Fitzmaurice, James Martin, Jon Ayres, Kk Cheng, Brendan Cooper, Amanda Daley, Andy Dickens, Alexandra Enocson, Sheila Greenfield, Martin Miller, Richard Riley, Stanley Siebert, Rob Stockley, Alice Turner, Peymane Adab

6F Session 53 08:30 - 10:30

Oral presentation: COPD clinical trials: new molecules and novel insights

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Cell and molecular biology Physiology

Chairs : Dave Singh (Manchester, United Kingdom), Alberto Papi (Ferrara, Italy)

- OA258** **Late Breaking Abstract - Impact of COPD symptom-related attacks on quality of life and exacerbations**
Gary T. Ferguson (Farmington Hills, United States of America), Ileen Gilbert, Rosa Lamarca, Audrone Aksomaityte, Dan Lythgoe, Tor Skärby, Lars Nordenmark, Frank Trudo
- OA259** **A randomized trial to determine the effect of glycopyrrolate/formoterol on exercise tolerance in COPD: influence of dynamic hyperinflation and dead space ventilation.**
William Stringer (Long Beach, United States of America), Janos Porszasz, Michael Von Plato, Arash Khosrovi-Eghbal, Mohan Zopey, Min Cao, April Soriano, Robert Calmelat, Harry Rossiter, Agustin Leyva, Shahid Siddiqui, Stephen Rennard, Richard Casaburi
- OA260** **Analysis of IMPACT: is one blood eosinophil count measurement sufficient to predict ICS treatment response in COPD?**
Mona Bafadhel (Oxford (Oxfordshire), United Kingdom), Neil Barnes, Stephen Bourke, Chris Compton, Gerard Criner, Mark Dransfield, David Halpin, Meilan Han, Benjamin Hartley, C. Elaine Jones, Peter Lange, Sally Lettis, David Lipson, David Lomas, Neil Martin, Fernando Martinez, Ralf Van Der Valk, Robert Wise, David Singh

SYSTEMIC EFFECT OF CONTINUOUS TREATMENT WITH AZITHROMYCYN IN PATIENTS WITH SEVERE COPD AND FREQUENT EXACERBATIONS

OA261 Ester Cuevas Sales (Barcelona, Spain), Daniel Huertas Almela, Yuliana Pascual González, Marta López Sánchez, Concepción Montón Soler, Xavier Pomares Amigó, Alicia Marin Tàpia, Marian García Núñez, Sara Martí Martí, Salud Santos Pérez

Efficacy and safety of four doses of CHF6001, a novel inhaled phosphodiesterase-4 inhibitor (PDE4i), in patients with moderate-to-severe COPD

OA262 Dave Singh (Manchester, United Kingdom), Marie Anna Nandeuil, Catherine Pigeon-Francisco, Aida Emirova, Debora Santoro, Sonia Biondaro, Mirco Govoni, Stefano Petruzzelli

Antiviral biomarkers are upregulated in sputum cells following administration of inhaled interferon beta to COPD patients

OA263 Phillip D Monk (Southampton (Hampshire), United Kingdom), Sophie Reynolds, Kerry Lunn, Rona Beegan, Victoria Tear

Clinical impact of a non-typeable Haemophilus influenzae (NTHi) adjuvanted vaccine in adults with chronic obstructive pulmonary disease (COPD)

OA264 Daniele Riccucci (Siena, Italy), Tom Wilkinson, Stuart Schembri, Christopher Brightling, Nawar Bakerly, Keir Lewis, William Macnee, Lars Rombo, Martin Allen, Paul Walker, Daniela Casula, Philippe Moris, Sonia Schoonbroodt, Marco Testa, Ashwani Kumar Arora

Ensifentrine, a novel dual phosphodiesterase (PDE) 3 and 4 inhibitor, provides effective bronchodilation when administered by dry powder inhaler in COPD

OA265 Tara Rheault (New York, United States of America), Tara Rheault, Joseph A Boscia, Brian Maurer, Kathleen Rickard

N103

Session 54

08:30 - 10:30

Oral presentation: Person-centred approaches to COPD and asthma care

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Palliative care Public health Imaging Pulmonary rehabilitation

Chairs : Andreja Sajnic (Zagreb, Croatia), Marco Clari (Torino (TO), Italy)

OA266 COPD patients' preferences for palliative conversations with clinicians

Nuno Tavares (Portsmouth (Hampshire), United Kingdom), Katherine Hunt, Tom Wilkinson

OA267 Effectiveness of a shared decision making program during hospitalization due to AECOPD.

Maria Granados Santiago (Alcaudete, Spain), Marie Carmen Valenza, Laura López López, Ramón Romero Fernández, Janet Rodríguez Torres, Andrés Calvache Mateo

OA268 Evaluation of the need for an Advanced Practice Nurse for COPD patients with a pulmonary exacerbation in Switzerland

Gabriela Schmid-Mohler (Zürich, Switzerland), Christian Clarenbach, Gabi Brenner, Malcolm Kohler, Eva Horvath, Heidi Petry

OA269 The burden of meal-related challenges in patients with COPD: Who cares?

Dorthe Sørensen (Randers NØ, Denmark), Anna Rottensten Wieghorst, Johanne Andersen Elbek, Camilla Askov Mousing

OA270 What do patients want in an asthma app?

Helle Marie Christensen (Tommerup, Denmark), Daniel Pilsgaard Henriksen, Hanne Madsen

OA271 Problems of Importance in Severe Asthma: A Patient Perspective

Vanessa M. McDonald (Newcastle (NSW), Australia), Vanessa L Clark, Olivia J McDonald, Peter G Gibson

OA272 Vocal cord dysfunction (VCD) in hospitalised exacerbations of asthma and chronic obstructive pulmonary disease (COPD).

Laurence Ruane (Clayton (VIC), Australia), Chris Daley, Danile D'Souza, Paul Leong, Kathy Low, Kenneth Lau, Kais Hamza, Martin Macdonald, Malcolm Baxter, Philip Bardin

N104

Session 55

08:30 - 10:30

Oral presentation: The new-born lung: short- and long-term pathological entities

Disease(s) : **Respiratory critical care**

Method(s) : Physiology Pulmonary function testing Cell and molecular biology Respiratory intensive care Epidemiology General respiratory patient care

Chairs : Theodore Dassios (Beckenham (Kent), United Kingdom), Anna Lavizzari (Milano (MI), Italy)

OA273	Late Breaking Abstract - Predicting long term lung function outcomes of prematurely born infants using cluster analysis Christopher Harris (London, United Kingdom), Alan Lunt, Janet Peacock, Anne Greenough
OA274	Lung and eye pathology develop concurrently in neonatal supplemental oxygen model Lakshanie Carmen Wickramasinghe Mudiyansele (Melbourne, Australia), Evelyn Tsantikos, Maverick Lau, Dean Talia, Devy Deliyanti, Jennifer Wilkinson-Berka, Margaret Hibbs
OA275	Prediction of infant extubation using surface diaphragm electromyography Katie Hunt (London, United Kingdom), Ian Hunt, Theodore Dassios, Kamal Ali, Anne Greenough
OA276	Correlation between impulse oscillometry and spirometry outcomes in a cohort of extremely preterm 6-year olds and controls Björn Lundberg (Stockholm, Sweden), Erik Melén, Per Thunqvist, Mikael Norman, Jenny Hallberg
OA277	The hypoxic ventilatory response is blunted at 12-15 months corrected age in babies born very preterm Shannon Simpson (Perth (WA), Australia), Naomi Hemy, Andrew Wilson, Jane Pillow, Graham Hall
OA278	Influence of caffeine on the electrical activity of the diaphragm of mechanically ventilated, very premature infants Emma Williams (London, United Kingdom), Emma Williams, Janathan Jeyakara, Katie Hunt, Theodore Dassios, Anne Greenough
OA279	Application of a three-dimensional kinematic model for prediction of tidal volume in newborns: a pilot study Silvana Alves Pereira (Anapolis (GO), Brazil), Ingrid Guerra Azevedo, Ana Gabriela Figueiredo, Lenice Lopes, Norrara Holanda, Danilo Nagem, Arthur Martins
OA280	Effects of caffeine therapy on preterm infant's lung function Patricia Garcia Marcos Barbero (Cartagena, Spain), Pedro Mondéjar-López, Luis García-Marcos, Manuel Sánchez-Solís

6E Session 56 08:30 - 10:30

Symposium: Mechanisms underlying acute exacerbation of respiratory disease Reflections from the 2019 Lung Science Conference

Aims : to explain that exacerbations represent occasions of respiratory tract dysbiosis, leading to dysregulated host immune responses and a perpetuating cycle of inflammation and abnormal lung remodelling; to describe the differences in the composition of respiratory tract microbiota, and link these differences to the frequent-exacerbator phenotype and as drivers of inflammation, fibrosis and remodelling in the context of respiratory disease progression.

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#) [Paediatric respiratory diseases](#)

Method(s) : Cell and molecular biology

Tag(s) : Translational

Target audience : Clinical researcher, Paediatrician, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Ken Bracke (Ghent, Belgium), Toby Maher (St. Albans, United Kingdom), Rachel Chambers (London, United Kingdom)

08:30	Viruses as a critical trigger in the development of acute exacerbations of asthma Sebastian L. Johnston (London, United Kingdom)	281
09:00	Role of necroptosis in the pathogenesis of COPD Hannelore Van Eeckhoutte (Ghent, Belgium), Fien Verhamme, Zhe Lu, Tamariche Buyle-Huybrecht, Guy Brusselle, Peter Vandenaabeele, Tom Vandenberghe, Michael Fricker, Philip Hansbro, Ken Bracke	282
09:15	Harnessing the microbiome to combat inflammation: a hot topic or a credible future? John MacSharry (Cork 1, Ireland)	283
09:45	Novel cellular effects of ultrafine particulate matter from an underground railway station revealed by RNA sequencing Matthew Loxham (Southampton (Hampshire), United Kingdom), Jeongmin Woo, Akul Singhania, Natalie Smithers, Alison Yeomans, Graham Packham, Alina Crainic, Richard Cook, Flemming Cassee, Christopher Woelk, Donna Davies	284
10:00	Development and homeostasis of a healthy microbiome in the human respiratory tract Robert Dickson (Ann Arbor, United States of America)	285

N101+102 Session 57 08:30 - 10:30

Oral presentation: Comorbidities galore in respiratory patients

Disease(s) : [Airway diseases](#) [Respiratory critical care](#)

Method(s) : Epidemiology General respiratory patient care Pulmonary function testing Public health Physiology Imaging

Chairs : Pierre-Régis Burgel (Sorbonne Paris Cité, France), Cecilie Svanes (Bergen, Norway)

- OA286** **Late Breaking Abstract - Longitudinal progression of emphysema-like lung on CT in a general population study**
Carrie Pistenmaa (Boston, United States of America), Eric Hoffman, Elsa Angelini, Jie Yang, Andrew Laine, Thomas Vetterli, Benjamin Smith, David Lederer, R. Graham Barr
- OA287** **Late Breaking Abstract - Antibiotic treatment in acute exacerbation of COPD: patient outcomes with amoxicillin vs. amoxicillin/clavulanic acid - Data from 38,820 outpatients.**
Kristian Bagge (Hvidovre, Denmark), Frederik Bøetius Hertz, Josefin Victoria Eklöf, Pradeesh Sivapalan, Jens-Ulrik Stæhr Jensen
- OA288** **Missed opportunity to manage COPD in patients hospitalised for heart failure**
Claudia Gulea (London, United Kingdom), Rosita Zakeri, Jennifer K Quint
- OA289** **COPD phenotypes not linked to increased risk of coronary heart disease**
Christina Due Svendsen (Bergen, Norway), Tomas Mikal Eagan, Per Bakke, Rune Nielsen, Eli Nordeide, Vidar Hodneland, Kris Ostridge, Terje Hjalmar Larsen, Karel KJ Kuiper
- OA290** **Comparative metabolic and obesity profiles of COPD and non-COPD controls in the CanCOLD population-based cohort**
Damien Viglino (Grenoble, France), Mickaël Martin, Cynthia Brouillard, Jean-Pierre Despres, Nathalie Almeras, Wan C Tan, Jean-Louis Pépin, Jean Bourbeau, François Maltais
- OA291** **Prognostic significance of respiratory symptoms in individuals with preserved pulmonary function without known airway disease**
Yunus Çolak (Herlev, Denmark), Børge G. Nordestgaard, Jørgen Vestbo, Peter Lange, Shoaib Afzal
- OA292** **Biochemical differences in patients with COPD due to tobacco and COPD by Biomass hospitalized in the intensive care unit.**
Marcos Alejandro Escobar Penagos (Tuxtla Gutiérrez (Chiapas), Mexico), Karla Elizabeth Rivera Tovar, Erick Eduardo Diaz Hernandez, Esperanza Lizeth Velazquez Martinez
- OA293** **High prevalence of COPD among adults with heart disease**
Berne Eriksson (Halmstad, Sweden), Caroline Stridsman, Ulf Nilsson, Viktor Strandkvist, Helena Backman

6A Session 58 08:30 - 10:30

Poster discussion: Aetiology and management of childhood respiratory infections, primary ciliary dyskinesia and asthma

Method(s) : Epidemiology Public health Pulmonary function testing General respiratory patient care

Chairs : Myrofora Goutaki (Bern, Switzerland), Stephen Turner (Aberdeen (Aberdeenshire), United Kingdom)

- PA294** **No signs of early lung function decline in a population-based cohort born extremely preterm in the 1980s**
Tonje Bårdsen (Bergen, Norway), Hege H Clemm, Merete Benestad, Ola Røksund, Thomas Halvorsen, Maria Vollsæter
- PA295** **Children with history of bronchopulmonary dysplasia have low fitness capacity at school age**
Marina Praprotnik (Ljubljana, Slovenia), Irena Stucin Gantar, Gregor Starc, Uros Krivec
- PA296** **Characterisation of children hospitalised with pneumonia in central Vietnam: A prospective study**
Thi Kim Phuong Nguyen (Da Nang, Vietnam), Hoang Tran, Dominic Fitzgerald, Thach Tran, Steve Graham, Ben Marais
- PA297** **Effects of air pollution on all cause neonatal and post-neonatal mortality: population-based study**
Sarah Kotecha (Cardiff (South Glamorgan), United Kingdom), W John Watkins, John Lowe, Jonathan Grigg, Sailesh Kotecha
- PA298** **Viral etiologies in childhood wheezing illness, asthma and respiratory infections**
Gary Wong (Shatin, Hong Kong), Yuhan Xing, Edmund Yung, Ting Fan Leung
- PA299** **The Swiss Primary Ciliary Dyskinesia registry: an update**
Myrofora Goutaki (Bern, Switzerland), Florian S Halbeisen, Agatha Wisse, Juerg Barben, Carmen Casaulta, Cristian Clarenbach, Andreas Jung, Philipp Latzin, Romain Lazor, Dagmar Lin, Marco Lurà, Isabelle Rochat, Stefan A Tschanz, Elisabeth Maurer, Claudia E Kuehni
- PA300** **Knowing asthma in adolescents from Uruguaiiana: The Global Asthma Network (GAN)**
MARILYN URRUTIA-PEREIRA (URUGUAIANA, Brazil), Herberto Chong Neto, Pietro Nunes Rinelli, Laura Simon, Philippa Ellwood, Luis Garcia-Marco, Dirceu Solé
- PA301** **Associations of Epstein-Barr virus and Cytomegalovirus with school-age lung function and asthma.**
Evelien R. van Meel (Rotterdam, Netherlands), Vincent W.V. Jaddoe, Irwin K.M. Reiss, Menno C. Van Zelm, Henriëtte A. Moll, Johan C. De Jongste, Liesbeth Duijts

- PA302** **A review of the experiences of children and young adults with Primary Ciliary Dyskinesia (PCD) treated in a specialist PCD service in England.**
Hannah Wilkins (Southampton, United Kingdom), Amanda Harris, Corine Driessens, Charlotte Kewell, Fiona Copeland, Bruna Rubbo, Laura Bayton, Victoria Bright, Amanda Friend, Rajinder Kang, Gemma Marsh, Samantha Packham, Alison Truscott, Katy Waller, Siobhan Carr, Philip Chetcuti, Clare Hogg, Jane Lucas, Eduardo Moya, Manjith Narayanan, Kenia Priti, Chris O'Callaghan, Woolf Walker
-
- PA303** **Asthma control in children seen in Swiss outpatient clinics**
Cristina Ardura-Garcia (Bern, Switzerland), Eva Pedersen, Carmen De Jong, Andreas Jung, Florian Singer, Nicolas Regamey, Anja Jochmann, Myrofora Goutaki, Claudia Kuehni
-
- PA304** **Wheeze attacks during the first 3 years of life following an episode of hospitalized bronchiolitis – is there a viral association?**
Heidi Makrinioti (Athens, Greece), Vivian Maggina, Paraskevi Xepapadaki, Stella Taka, Sebastian Johnston, Maria Tsolia, Vassiliki Papaevangelou, Nikolaos Papadopoulos
-
- PA305** **Effectiveness of various communication strategies for improving childhood pneumonia case management: A community based behavioral open labeled trial in rural Lucknow, Uttar Pradesh, India.**
Shally Awasthi (Lucknow (Uttar Pradesh), India), Divas Kumar, Neha Mishra, Monika Agrawal, Chandra Pandey
-
- PA306** **The point prevalence of respiratory syncytial virus in hospital and community-based studies in children from Northern Australia: studies in a 'high-risk' population**
Gabrielle McCallum (Darwin (NT), Australia), Keith Grimwood, Victor Oguoma, Amanda Leach, Heidi Smith-Vaughan, Lesley Versteegh, Anne Chang
-
- PA307** **Clinical outcome measures for use in primary ciliary dyskinesia research: a scoping systematic review**
Bruna Rubbo (Southampton (Hampshire), United Kingdom), Florian Gahleitner, Claire Jackson, Myrofora Goutaki, Florian Halbeisen, Jana Hueppe, Laura Behan, Guillaume Thouvenin, Claudia Kuehni, Philipp Latzin, Jane Lucas
-
- PA308** **Vitamin D status during pregnancy and wheezing and asthma during childhood**
Maribel Casas (Barcelona, Spain), Júlia Sangüesa, Mariona Bustamante, Alicia Abellan, Mikel Basterrechea, Ana Esplugues, Judith Garcia-Aymerich, Mònica Guxens, Jordi Júlvez, Amaia Irizar, Céline Roda, Ana Cristina Rodríguez-Delhi, Jesus Vioque, Martine Vrijheid, Adonina Tardon, Maties Torrent, Jordi Sunyer
-
- PA309** **Prematurity and respiratory function at 6 weeks of age in infants born to mothers with asthma during pregnancy and active tobacco smoking**
Ediane De Queiroz Andrade (Newcastle, Australia), Vanessa Murphy, Patricia De Gouveia Belinelo, Kathryn Jesson, Adam Collison, Paul Robinson, Alexander Wong, Peter Sly, Peter Gibson, Joerg Mattes
-
- PA310** **Exposure to moderate air pollution and associations with lung function at school-age: a birth cohort study**
Jakob Usemann (Basel, Switzerland), Fabienne Decrue, Insa Korten, Elena Proietti, Olga Gorlanova, Danielle Vienneau, Oliver Fuchs, Philipp Latzin, Martin Rössli, Urs Frey
-
- PA311** **Diagnosing children with exercise induced respiratory symptoms – the Swiss Paediatric Airway Cohort**
Eva Sophie Lunde Pedersen (Bern, Switzerland), Carmen C M De Jong, Cristina Ardura-Garcia, Juerg Barben, Carmen Casaulta, Anja Jochmann, Philipp Latzin, Alexander Moeller, Dominik Mueller-Suter, Nicolas Regamey, Florian Singer, Myrofora Goutaki, Claudia E Kuehni

6B

Session 59

08:30 - 10:30

Poster discussion: Transbronchial cryobiopsy and endobronchial ultrasound

Disease(s) : Thoracic oncology Interstitial lung diseases

Method(s) : Endoscopy and interventional pulmonology Pulmonary function testing Public health

Chairs : Prashant Nemichand Chhajed (Mumbai, India), Jouke T. Annema (Amsterdam, Netherlands)

- PA312** **Diagnostic yield and safety of transbronchial cryobiopsy in sarcoidosis**
Maria Jacob (Porto, Portugal), Hélder Novais Bastos, Patrícia Caetano Mota, Natália Melo, Rui Cunha, José Miguel Pereira, Susana Guimarães, Conceição Souto Moura, António Morais
-
- PA313** **Cryobiopsy – a diagnostic breakthrough for peripheral pulmonary lesions -**
Yuji Matsumoto (Tokyo, Japan), Midori Tanaka, Toshiyuki Nakai, Takaaki Tsuchida, Yuichiro Ohe
-
- PA314** **Prognostic validation of cryobiopsy for the diagnosis of interstitial lung diseases**
Sara Tomassetti (Forli, Italy), Martina Marchi, Claudia Ravaglia, Silvia Puglisi, Antonella Arcadu, Aurora Mendez, Filipa Carrico, Alberto Cavazza, Giulio Rossi, Thomas V Colby, Sara Piciucchi, Brett Ley, Harold Collard, Jay H Ryu, Christian Gurioli, Luca Donati, Marcello Bosi, Alessandra Dubini, Venerino Poletti

PA315	Transbronchial lung cryobiopsy under mini-probe EBUS guidance for interstitial lung diseases – multicenter Polish study Maciej Gnass (Mysłenice, Poland), Damian Czyżewski, Anna Filarecka, Stanisław Orzechowski, Artur Bartczak, Jerzy Soja, Małgorzata Szólkowska, Renata Langfort, Artur Szlubowski
PA316	Comparison of different transbronchial biopsy techniques in radial endobronchial ultrasound-guided bronchoscopy Viboon Boonsarngsuk (Bangkok, Thailand), Tananchai , Apichart , Bancha , Wasana
PA317	Transbronchial forcep and cryobiopsy of peripheral cavitory lung lesion under R-EBUS guidance in tuberculous endemic setting Sze Shyang Kho (Kuching (Sarawak), Malaysia), Chan Sin Chai, Teng Teng Tee, Swee Kim Chan, Siew Teck Tie
PA318	Clinical outcomes of radial probe endobronchial ultrasound using a guide sheath for peripheral lung lesions in patients with pulmonary emphysema Kyu Min Lee (Busan, Republic of Korea), Jung Seop Eom, Min Ki Lee, Insu Kim, Seyeon Park, Hyun Sung Chung, Jiyeon Roh
PA320	Comparison of dexmedetomidine to propofol for sedation of endobronchial ultrasound-guided transbronchial needle aspiration Ting-Yu Lin (Taipei, Taiwan), Chih-Hsi Kuo, Fu-Tsai Chung, Yu-Lun Lo
PA321	Assessing the value of EBUS to dismiss mediastinal node malignancy. Javier Collada Carrasco (Madrid, Spain), Ricardo García Luján, Miguel Lorente González, Sofia Valeria Yerovi Onofre, Eduardo De Miguel Poch
PA322	The role of Endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) in lymphoma patients Bumhee Yang (Seoul, Republic of Korea), Ju Yeun Song, Kyunga Kim, Hojoong Kim, Kyungjong Lee
PA323	Probability model for malignancy in hilar and mediastinal lymph nodes in lung cancer based on PET-CT and EBUS Jaume Bordas-Martinez (Barcelona, Spain), Jose Luis Vercher Conejero, Guillermo Rodriguez Gonzalez, Paula Notta, Cristian Tebé Cordomi, Cristina Martin Cabeza, Noelia Cubero De Frutos, Rosa María Lopez-Lisbona, Marta Díez-Ferrer, Nuria Baixeras Gonzalez, Jordi Dorca Sargatal, Antoni Rosell
PA324	Endobronchial Ultrasound Transbronchial Needle Aspiration (EBUS-TBNA) versus Flexible 19G Endobronchial Ultrasound Transbronchial Needle (Flex 19G EBUS-TBNA) in the Assessment of Mediastinal and Hilar Lymphadenopathy: a Randomised Trial Eric Daniel Tenda (London, United Kingdom), Arafa M Aboelhassan, Konstantina Kontogianni, Alexandra Rice, Siobhan Crichton, Justin L Garner, Karthi Srikanthan, Andrew Nicholson, Alexander Harms, Felix Herth, Samuel V Kemp, Ralf Eberhardt, Pallav L Shah
PA325	EBUS TBNA in the rapid microbiological diagnosis of drug resistant tuberculous mediastinal lymphadenopathy Prashant Nemichand Chhajed (Mumbai, India), Preyas J Vaidya, Neha P Mandovra, Vinod B Chavhan, Tejashree T Lele, Rekha Nair, Joerg D Leuppi, Avinandan Saha
PA326	Septated appearance of lymph nodes on Endobronchial Ultrasound: A distinct feature of sarcoidosis? Sachin Baliyan (New Delhi (Delhi), India), Avdhesh Bansal
PA327	Expression of PD-L1 in neoplastic samples obtained by EBUS-TBNA Javier Errasti Viader (Pamplona (Navarra), Spain), Laura Torralba, Jose Javier Vengoechea, Almudena Sobrino, Rocío Irene Bermúdez, Elisa Mincholé, Ana Lucia Figueredo, Elisabet Vera, Paula Gambó, Ramiro Álvarez, Salvador Bello
PA328	Pushing the boundaries in Cryobiopsy for ILD – Is FVC Rajani Surendar Bhat (Bangalore (Karnataka), India), Hariprasad Kalpakam, Pooja Bajaj, Shyam Krishnan, Lokesh Gutta, Ravindra Mehta

6C

Session 60

08:30 - 10:30

Poster discussion: Physiology of cystic fibrosis

Disease(s) : **Airway diseases** Respiratory critical care Sleep and breathing disorders

Method(s) : Pulmonary function testing Physiology Imaging Pulmonary rehabilitation General respiratory patient care

Chairs : Alex Horsley (Manchester, United Kingdom), Mirjam Stahl (Heidelberg, Germany)

PA329	Factors affecting progression of lung disease among patients with cystic fibrosis Elpida Hatziagorou (Thessaloniki, Greece), Chrysanthi Mantsiou, Ioannis Lialias, Eleana Kouroukli, Lemonia Nousia, Vasiliki Avramidou, John Tsanakas
PA330	Symptom duration and the lung clearance index in children with cystic fibrosis and pulmonary exacerbations Sanja Stanojevic (Toronto (ON), Canada), Lucy Perrem, Michelle Klingel, Sarah Isaac, Renee Jensen, Melinda Solomon, Hartmut Grasemann, Valerie Waters, Niel Sweezey, Stephanie Davis, Felix Ratjen

PA331	The effect of age on ventilation inhomogeneity deterioration during pulmonary exacerbations among patients with CF Elpida Hatziagorou (Thessaloniki, Greece), Chrysanthi Mantsiou, Ioannis Lialias, Eleana Kouroukli, LEMONIA Nousia, Vasiliki Avramidou, John Tsanakas
PA332	The potential of closed circuit lung clearance index (LCI) to provide longitudinal clinical utility in cystic fibrosis (CF). Alex Horsley (Manchester, United Kingdom), Amnah Alrumuh, Katie Bayfield, Brooke Bianco, Steve Cunningham, Andrew Jones, Anirban Maitra, Anand Pandyan, Naveen Rao, Joanne Tomlinson, Francis Gilchrist, Catherine Fullwood
PA333	Inter-reader variation in lung segmentation of functional lung MRI quantification. Christoph Corin Willers (Bern, Switzerland), Orso Pusterla, Grzegorz Bauman, Simon Andermatt, Sylvia Nyilas, Francesco Santini, Simon Pezold, Robin Sandkühler, Kathryn Ramsey, Philippe C. Cattin, Oliver Bieri, Philipp Latzin
PA334	Clinical applicability of 3He and 129Xe ventilation MRI in cystic fibrosis: longitudinal follow up Laurie Smith (Sheffield (South Yorkshire), United Kingdom), Guilhem Collier, Helen Marshall, Paul Hughes, Alberto Biancardi, Graham Norquay, Jody Bray, Oliver Rodgers, Martin Wildman, Noreen West, Alex Horsley, Jim Wild
PA335	Is impulse oscillometry (IOS) better than spirometry for monitoring treatment outcomes in adult cystic fibrosis (CF) pulmonary exacerbations? A pilot study Shok Yin Lee (torrensville, Australia), Judith Morton, Sally Chapman, Emily Hopkins, Chien-Li Holmes-Liew, Lauren Bussell
PA336	Adult Cystic Fibrosis (CF) patients prefer to perform impulse oscillometry (IOS) in comparison to spirometry. Shok Yin Lee (torrensville, Australia), Lauren Bussell, Sally Chapman, Emily Hopkins, Judith Morton
PA337	Use of NIV in cystic fibrosis: 10-year experience of a large adult CF centre Giulia Spoletini (Leeds (West Yorkshire), United Kingdom), Ruth Watson, Kim Pollard, Christine Etherington, Ian Clifton, Paul Whitaker, Daniel Peckham
PA338	Outcomes at 6 months following NIV in adults with cystic fibrosis (CF): experience of a large UK centre Giulia Spoletini (Leeds (West Yorkshire), United Kingdom), Kim Pollard, Ruth Watson, Christine Etherington, Ian Clifton, Paul Whitaker, Daniel Peckham
PA339	Observational study of sleep-related breathing disorders and preventive non-invasive ventilation in cystic fibrosis Giuseppe Fabio Parisi (Catania (CT), Italy), Maria Papale, Sara Manti, Enza Mulè, Novella Rotolo, Salvatore Leonardi
PA340	Assessment of activity tracker wear-time in longitudinal measurement of physical activity in children and young people with CF Eleanor Main (London, United Kingdom), Helen Douglas, Emma Raywood, Kunal Kapoor, Greg Saul, Tim Kuzhagaliyev, Mandy Bryon, Lee Stott
PA341	Different methods of measuring physical activity in cystic fibrosis: accelerometer versus new electronic devices Daniela Savi (Rome, Italy), Luigi Graziano, Stefano Schiavetto, Nicholas J Simmonds, Barbara Giordani, Emanuela Leggieri, Marco Rivolta, Dario Ascitti, Paolo Palange, J Stuart Elborn
PA342	Determining resting heart rate in children using wearable activity monitors Kunal Kapoor (London, United Kingdom), Emma Raywood, Helen Douglas, Greg Saul, Nils Correvon, Tim Kuzhagaliyev, Lee Stott, Eleanor Main
PA343	Does cystic fibrosis impact skeletal muscles and diaphragm function? Berrin Ceyhan (Istanbul, Turkey), Nazlı Zeynep Uslu, Derya Kocakaya, Sehnaz Olgun Yıldızeli, Emel Eryüksel, Özge Keniş Coşkun, Canan Cımsıt, Şeyma Görçin Karaketir
PA344	Does an individualized long-term exercise training program affect the cardiorespiratory capacity and cardiac function in young patients with cystic fibrosis? Elpida Hatziagorou (Thessaloniki, Greece), Stavros Giannakoulakos, Evagelia Kouidi, Maria Anifanti, Chrysanthi Mantsiou, Eleana Kouroukli, LEMONIA Nousia, Asterios Kampouras, Asterios Deligiannis, John Tsanakas
PA345	Regular routine SF6 multiple breath washout in infants with cystic fibrosis born after implementation of neonatal screening Rikke Mulvad Sandvik (Hørsholm, Denmark), Marika Nathalie Schmidt, Tacjana Pressler, Christian Møller Voldby, Frederik Buchvald, Per Gustafsson, Marianne Skov, Kim Gjerum Nielsen
PA346	Arterial partial pressure of oxygen (PaO2) - a marker for cystic fibrosis (CF) lung disease and chronic airway infection René Gaupmann (Wien, Austria), Saskia Gruber, Livia Mia Gona-Hoepler, Edith Nachbaur, Zsolt Szepefalusi, Sabine Renner, Eleonora Dehlink

6D

Session 61

08:30 - 10:30

Poster discussion: Airway physiology

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Pulmonary function testing Physiology General respiratory patient care Cell and molecular biology Imaging
Epidemiology Public health

Chairs : Guy F. Joos (Ghent, Belgium), Geoffrey Maksym (Dartmouth (NS), Canada)

- PA347 Late Breaking Abstract - A key endpoint in viral challenge models of asthma exacerbations**
Alan Bell (London, United Kingdom), Michael A Ghebre, Alex Mann
-
- PA348 The relationship between the parameters of respiratory and skeletal muscles in COPD.**
Angelina Suleymanova (Moscow, Russian Federation), Irina Baranova
-
- PA349 Multiple breath washout (MBW) testing using SF6 – feasibility and clinical applications in adults with bronchial asthma**
Frederik Trinkmann (Mannheim, Germany), Steffi Lenz, Julia Schäfer, Joshua Gawlitza, Michele Schroeter, Tobias Gradinger, Ibrahim Akin, Martin Borggreffe, Thomas Ganslandt, Joachim Saur
-
- PA351 Inspiratory capacity is associated with dyspnea, exercise capacity, and survival in COPD**
Christopher B. Cooper (Los Angeles, United States of America), Russell Buhr, Xioayan Wang, Mehrdad Arjomandi, Igor Barjaktarevic, R. Graham Barr, Eugene Bleecker, Russell Bowler, Alejandro Comellas, David Couper, Gerard Criner, Brett Dolezal, Mark Dransfield, M. Bradley Drummond, Meilan Han, Nadia Hansel, Eric Hoffman, Robert Kaner, Richard Kanner, Jerry Krishnan, Robert Paine, Stephen Peters, Lisa Postow, Stephen Rennard, Prescott Woodruff
-
- PA352 Increase of FeNO after acute bronchodilation test in asthmatic patients: a clue for small airways disease?**
Gianluca Imeri (Bergamo, Italy), Fulvia Ribolla, Alvise Berti, Fabiano Di Marco, Anita Licini, Carlo Lombardi, Marcello Cottini
-
- PA353 Origin of the expiratory looping in the alveolar pressure - flow relation in stable COPD patients at rest.**
Dejan Radovanovic (Milano (MI), Italy), Camilla Ziliani, Andrea Cristiano, Tommaso Pilocane, Paolo Gaboardi, Andrea Airoldi, Matteo Pecchiari, Pierachille Santus
-
- PA354 Forced oscillation technique measuring peripheral airway involvement during mannitol challenge**
Linnea Jarenbäck (Gantofta, Sweden), Abir Nasr, Kerstin Romberg, Ulf Nihlen, Lisa Karlsson, Ellen Tufvesson, Leif Bjerner
-
- PA355 Dynamics of blood and sputum eosinophils in asthma patients with cold airway hyperresponsiveness during cold air provocation**
Juliy M. Perelman (Blagoveshchensk (Amur Oblast), Russian Federation), Aleksey B. Pirogov, Anna G. Prikhodko, Elena V. Ushakova, Victor P. Kolosov
-
- PA356 Changes in objective markers following inhaled corticosteroids (ICS) in asthmatics with airway hyperresponsiveness (AHR) to mannitol**
Clair Lake (Camperdown (NSW), Australia), Keith Wong, John D. Brannan
-
- PA357 Utility of FeNO in differentiating ACO and COPD**
Sreelaxmi Pillai (Bangalore (Karnataka), India)
-
- PA358 The prevalence of restrictive lung function in a general population obtained by spirometry and bodyplethysmography-Data from the LEAD study**
Alina Ofenheimer (Wien, Austria), Robab Breyer-Kohansal, Marie-Kathrin Breyer, Otto Burghuber, Andreas Horner, Bernd Lamprecht, Andrea Schrott, Sylvia Hartl
-
- PA359 Echocardiographic changes and Arterial Stiffness Index in patients with COPD**
Aimee Flores Vargas (Ciudad de Mexico, Mexico), Rocio Sanchez Santillana, Arturo Orea Tejeda, Dulce Gonzalez Islas, Karla Balderas Muñoz, Luis Hernandez Urquieta, Silvia Cid Juarez, Rafael Hernandez Zenteno, Roberto Davila, Alan Aldair Ibarra Fernandez, Angelia Jimenez Valentin, Fernanda Salgado Fernandez
-
- PA360 Does automated oxygen control with O2matic reduce frequency and duration of hypoxemic episodes in patients admitted with exacerbation of COPD? – a randomized controlled trial**
Charlotte Sandau Bech (Fredensborg, Denmark), Jens Dahlgaard Hove, Jens-Ulrik Stæhr Jensen, Thomas Kallemose, Jørgen Vestbo, Ejvind Frausing Hansen
-
- PA361 Association between longitudinal changes in respiratory symptoms and lung mechanics in COPD**
Emanuela Zannin (Milano (MI), Italy), Paul Walker, Pasquale Pompilio, Peter Calverley, Raffaele Dellacà
-
- PA362 Exercise-induced desaturation and long-term mortality in patients with COPD**
Changhwan Kim (Jeju-si, Republic of Korea), Yong Bum Park, Yeon-Mok Oh

PA364 Value of capnography to detect asthma exacerbations in allergen-sensitized rabbits
Andre dos Santos Rocha (Genève, Switzerland), Roberta Südy, Gergely H Fodor, Ferenc Peták, Walid Habre

PA363 Effectiveness of measuring end-tidal CO₂ via non-invasive capnograph in patients with chronic respiratory failure requiring home oxygen therapy
Tatsunori Jo (Tokyo, Japan), Minoru Inomata, Naoyuki Kuse, Nobuyasu Awano, Mari Tone, Hanako Yoshimura, Atsuko Moriya, Takehiro Izumo

7B Session 62 08:30 - 10:30

Poster discussion: Treatment of lung cancer

Disease(s) : Thoracic oncology Interstitial lung diseases Airway diseases

Method(s) : Surgery Epidemiology General respiratory patient care Imaging Endoscopy and interventional pulmonology Pulmonary function testing Cell and molecular biology Palliative care

Chairs : Georgia Hardavella (London, United Kingdom), David Baldwin (Nottingham (Nottinghamshire), United Kingdom)

PA365 Efficacy and safety of anti-PD-L1 antibody in NSCLC patients who previously treated with anti PD-1 antibodies
Kohei Fujita (Kyoto, Japan), Naohiro Uchida, Yuki Yamamoto, Osamu Kanai, Misato Okamura, Koichi Nakatani, Tadashi Mio

PA366 Characteristics, incidence, risk factors, and practical management of pneumonitis associated with anti-PD-1 immunotherapy in patients with non-small cell lung cancer
Mitsuhiro Moda (Tokyo, Japan)

PA367 Positive PD-L1 expression is associated with unfavorable clinical outcome in EGFR-mutated lung adenocarcinomas treated with EGFR-TKIs
Jeong mi Lee (Seoul, Republic of Korea), Seung Hyeun Lee, Boksoon Chang, Cheon Woong Choi, Yee Hyung Kim, Hye Sook Choi, Won Gun Kwak, Myung Jae Park, Woo Jae Jeon

PA368 Impact of nivolumab-induced fever on the treatment effect: a retrospective study
Osamu Kanai (Kyoto, Japan), Kohei Fujita, Misato Okamura, Kanna Horimoto, Keiko Takeda, Masayuki Hashimoto, Koichi Nakatani, Satoru Sawai, Tadashi Mio

PA369 Immunological factors in NSCLC patients with possible predictive and prognostic value under PDL-1 treatment-a pilot study
Konstantinos Zarogoulidis (Thessaloniki, Greece), Kalliopi Domvri, Nikolaos Zogas, Paul Zarogoulidis, Konstantinos Porpodis, Ellada Eleftheriadou, Panagiotis Chinelis, Dimitrios Bougiouklis, Theodora Tsiouda, Theodoros Kontakiotis

PA370 Efficacy of osimertinib and histomolecular profile at progression in EGFR-mutated lung cancer
Camille Mehlman (Boulogne Billancourt, France), Jacques Cadranel, Roger Lacave, Gaelle Rousseau-Bussac, Anaïs Pujals, Nicolas Girard, Ivan Bieche, Valérie Gounant, Nathalie Théou-Anton, Sylvie Friard, Jean Trédaniel, Hélène Blons, Cécile Dujon, Boris Duchemann, Pierre-Olivier Schischmanoff, Thierry Chinet, Etienne Giroux Leprieur

PA371 Impact of antibiotics on immunotherapy response in lung cancer patients
Adelaide Alves (Espinho, Portugal), Inês Sucena, Margarida Dias, Daniel Coutinho, Telma Costa, Eloisa Silva, Sara Conde, Sérgio Campainha, Ana Barroso

PA372 Immune-Related Adverse Events Associated with Immune Checkpoint Blockade in Lung Cancer – A retrospective study.
Cristina Isabel Braço Forte (Algés, Portugal), Teresa Almodovar, Isabel Duarte, José Duro Da Costa

PA373 Prognostic factors for stage IV NSCLC in older adults: A Surveillance, Epidemiology and End Results Database Analysis
Ye Jian (Hangzhou, China)

PA374 Real-world treatment patterns and outcomes of patients with extensive disease small cell lung cancer (ED SCLC)
Christine M. Cramer - van der Welle (Utrecht, Netherlands), Franz M.N.H. Schramel, Arvid S. Van Leeuwen, Olaf H. Klungel, Harry J.M. Groen, Ewoudt M.W. Van De Garde

PA375 Systematic evaluation of the efficacy-effectiveness gap of systemic treatments in extensive disease small cell lung cancer (ED SCLC)
Christine M. Cramer - van der Welle (Utrecht, Netherlands), Franz M.N.H. Schramel, Bas J.M. Peters, Olaf H. Klungel, Harry J.M. Groen, Ewoudt M.W. Van De Garde

PA376 Computed tomography-guided radiofrequency ablation and microwave ablation of non-small cell lung cancer metastases: Safety and efficacy in a real-world cohort
Andriani Charpidou (Athens, Greece), Kyriaki Tavernarakis, Ioannis Gkiozos, Eleni Kokkotou, Dimitra Grapsa, Ilias Kotteas, Loukas Thanos, Konstantinos Syrigos

- PA377** **Non-small Cell Lung Cancer as a chronic disease – a prospective study from the Czech TULUNG registry.**
Monika Šatánková (Brno 35, Czech Republic), Kristian Brat, Jana Skrickova, Bara Karlinova, Milos Pesek, Vitezslav Kolek, Leona Koubkova, Michal Hrnčiarik, Jana Krejci, Libor Havel
- PA378** **Clinical outcome of Pembrolizumab (PEMB) monotherapy in patients (pts) with advanced non-small cell lung cancer (NSCLC) – Reports from routine clinical care.**
Yoko Kida (Kobe, Japan), Akihiko Ikeda, Taira Ninomaru, Hisashi Ohnishi, Nobuyuki Katakami
- PA379** **SURGERY OF IA STAGE LUNG CARCINOMA. SUBLOBAR RESECTIONS. TO WHOM AND WHEN?**
Igor Motus (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Alexander Bazhenov, Edward Altman, Igor Medvinsky, Maxim Alexandrov
- PA380** **Associations of gut microbiota and Chronic Obstructive Pulmonary Disease Assessment Test (CAT) score in chemotherapy treated lung cancer patients with COPD**
Zoltán Lohinai (Budapest, Hungary), Yoshitaro Heshiki, Daniel Loos, Dora Nagy, Edit Dulka, Csilla Kugler, Janos Varga, Morten Oa Sommer, Gianni Panagiotou, Glen J. Weiss
- PA381** **Outcomes of pneumonectomy for N2 non small cell lung cancer**
Sophie Guinard (Strasbourg, France), Anne Olland, Marc Puyraveau, Joseph Seitlinger, Pierre Emmanuel Falcoz, Gilbert Massard

RETIRO

Session 63

08:30 - 10:30

Poster discussion: A mixture of rare lung diseases

Disease(s) : Respiratory critical care Airway diseases Thoracic oncology Interstitial lung diseases

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Respiratory intensive care Imaging Transplantation Pulmonary function testing Epidemiology

Chairs : Deborah Snijders (Ponzano Veneto (TV), Italy), Raffaella Nenna (Tucson, United States of America)

- PA382** **The Correlation Between Clinical Characteristics and Molecular Genetic Analysis Results of Primary Ciliary Dyskinesia Patients: Hacettepe University Experience**
Nagehan Emiralioglu (Ankara, Turkey), Ekim Taskiran, Can Kosukcu, Elif Bilgic, Pergin Atilla, Bengisu Kaya, Onder Gunaydin, Ayse Yuzbasioglu, Gokcen Dilsa Tugcu, Dilber Ademhan, Sanem Eryilmaz Polat, Mina Gharibzadeh Hızal, Ebru Yalcin, Deniz Dogru, Nural Kiper, Mehmet Alikasifoglu, Ugur Ozcelik
- PA383** **Airway-artery quantitative assessment in children with Primary Ciliary Dyskinesia using chest computed tomography**
Valentina Agnese Ferraro (Rosa' (VI), Italy), Eleni-Rosalina Andrinopoulou, Harm A.W.M. Tiddens, Marielle W.H. Pijnenburg
- PA384** **Adaptation to disease and anxiety-depressive clinic in the paediatric patient with Primary Ciliary Dyskinesia**
Silvia Castillo Corullón (Torrent (Valencia), Spain), Selene Valero-Moreno,, Amparo Escribano-Montaner, Marian Pérez-Marín,, Inmaculada Montoya-Castilla,
- PA385** **Preliminary results of high-speed video-microscopy and immunofluorescence analysis in a Spanish cohort of patients with primary ciliary dyskinesia**
Sandra Rovira Amigo (Barcelona, Spain), Noelia Baz Redon, Núria Camats Tarruella, Mónica Fernández Cancio, Marta Garrido, María Antolin, María Cols, Araceli Caballero, Oscar Asensio, Gerardo Vizmanos, Ana Reula, Amparo Escribano, Francisco Dasí, Miguel Armengot, Antonio Moreno Galdo
- PA386** **Immunofluorescence staining results in respiratory epithelial cells of patients with suspected PCD from Marmara University**
Emine Atag (Istanbul, Turkey), Rim Hjejij, Nilay Bas Ikizoglu, Pinar Ergenekon, Cansu Yilmaz, Yasemin Gokdemir, Ela Erdem Eralp, Heymut Omran, Bulent Karadag
- PA387** **PICADAR score as an evaluation tool of Greek physicians' PCD awareness**
Grigorios Chatziparasidis (Trikala, Greece), Barbara Mpoutopoulou, Angeliki Galani, Olympia Sardeli, Dafni Moriki, Elpiniki Kartsiouni, Kostas Priftis, Kostas Douros
- PA388** **Non-Cystic Fibrosis Bronchiectasis in children: a single center experience.**
Federica Porcaro (Roma (RM), Italy), Nicola Ullmann, Michela Cammerata, Renato Cutrera
- PA389** **The effect of exacerbations on the airway microbiota in children with non-CF bronchiectasis**
Anna Mulholland (Liverpool, United Kingdom), Alana Ainsworth, Tyler Regtien, David Broderick, Unaisi Wainivetau, Catherine Byrnes, Mike Taylor, Naveen Pillarisetti
- PA390** **Diffuse lung disease and pulmonary hypertension related to TBX4 mutation in 5 children**
Julia Carlens (Hannover, Germany), Nicolaus Schwerk, Florian Länger, Gesine Hansen, Matthias Griese, Martin Wetzke

- PA391 Pulmonary function in children with persistent tachypnoea of infancy.**
Honorata Marczak (Warszawa, Poland), Joanna Peradzyńska, Joanna Lange, Stanislaw Boguslawski, Katarzyna Krenke
-
- PA392 A survey of children's interstitial lung disease (ChILD) databases across the EU and an ability to identify pan-registry clinical trial cohorts**
Julia Carlens (Hannover, Germany), Nicola Ullmann, Eitan Kerem, Nadia Nathan, Ralph Epaud, Annick Clement, Matthias Griese, Deborah Snijders, Steve Cunningham
-
- PA393 Hypoxic challenge test in patients previous treated for chILD conditions**
Astrid Ring (Gentofte, Denmark), Yagmur Sisman, Frederik Buchvald, Kim Nielsen
-
- PA394 Bedside fiberoptic flexible bronchoscopy directed respiratory interventions in children with congenital heart diseases**
Ritika Chhawchharia (New Delhi (Delhi), India), Anil Sachdev, Dhiren Gupta, Neeraj Gupta, Raja Joshi
-
- PA395 Incidence of post-procedure complications in children undergoing elective flexible bronchoscopy**
Will Carroll (Staffordshire, United Kingdom), Ellen Grose-Hodge, John Alexander, Sheng-Ang Ho, Francis Gilchrist
-
- PA396 Foreign Body Removal in Childhood – International Study about Preference, Performance and Complications.**
Dirk Schramm (Düsseldorf, Germany), Christina Vossen, Deborah Snijders, Kostas Priftis, Petr Pohunek
-
- PA397 Effective treatment of post-intubation subglottic stenosis in children with holmium laser therapy and cryotherapy via flexible bronchoscopy**
JIAO ANXIA (Beijing, China), Fang Liu, Andrew Lerner, Xiaochun Rao, Yan Guo, Chenfang Meng, Yuena Pan, Gan Li, Zheng Li, Fang Wang, Jing Zhao, Yuyan Ma, Xicheng Liu, Xin Ni, Kunling Shen
-
- PA398 The larynx after open airway surgery for laryngotracheal stenosis: a MRI study in children**
Bernadette Elders (Rotterdam, Netherlands), Pierluigi Ciet, Piotr Wielopolski, Harm Tiddens, Bas Pullens
-
- PA399 Lung clearance index for evaluation of late complications of cancer therapy in children**
Giuseppe Fabio Parisi (Catania (CT), Italy), Emanuela Cannata, Maria Papale, Nicolò Li Volsi, Giovanna Russo, Andrea Di Cataldo, Salvatore Leonardi

No Room Session 09:00 - 12:00

Game Zone: GAME ZONE - SESSION 1

- 09:00 Bronchoscopy**
Andrea Crespo Sedano (Valladolid, Spain)
-
- 09:00 Chest drain placement**
Jolanda C. Kuijvenhoven (Leeuwarden, Netherlands)
-
- 09:00 Cryobiopsy**
Luca Morandi (Ferrara (FE), Italy)
-
- 09:00 Endobronchial valve placement**
Annika W.M. Goorsenberg (Amsterdam, Netherlands)
-
- 09:00 Inspiratory muscle training**
Pedro Rivas Cheliz (Madrid, Spain)
-
- 09:00 Rigid bronchoscopy**
Karan Madan (New Delhi (Delhi), India)
-
- 09:00 Spirometry**
Jake Erwin (Manchester, United Kingdom)
-
- 09:00 Thoracic ultrasound**
Pia Iben Pietersen (Odense C, Denmark)
-
- 09:00 Tracheal intubation**
Antoni Marín Muñoz (Badalona (Barcelona), Spain)

8B Session 72 10:45 - 12:45

Grand round: Imaging Grand Round

Management of pulmonary nodules to prevent lung cancer

Aims : to provide pulmonologists and radiologists with tips to detect solitary pulmonary nodules on (SPN) chest X-rays; to explain how to differentiate benign and malignant solitary pulmonary nodules on computed tomography scans; to provide guidance for the correct diagnosis of nodular pulmonary patterns and their follow-up in a case-based session.

Disease(s) : Airway diseases Pulmonary vascular diseases Respiratory infections**Method(s)** : Imaging Public health**Tag(s)** : Clinical**Target audience** : Clinical researcher, Critical/Intensive care physician, General practitioner, Pathologist, Physiologist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs** : Najib M. Rahman (Oxford, United Kingdom), Adriana Dubbeldam (Nieuwrode, Belgium)

10:45	Beyond chest X-ray: practical advice about how to realize the masses? Jose Vilar (Valencia, Spain)	422
11:15	Imaging of solitary pulmonary nodules Adám Domonkos Tárnoki (Budapest, Hungary)	423
11:45	Management of pulmonary nodules Anand Devaraj (London, United Kingdom), Richard Booton (Crewe (Cheshire), United Kingdom)	424
12:15	Imaging of nodular patterns Helmut Prosch (Wien, Austria)	425

7A Session 73 10:45 - 12:45**Symposium: State of the art session: Respiratory critical care****Prevention of acute and chronic respiratory failure****Aims** : to report prevention measures for patients with acute and chronic respiratory failure in terms of the health burden, including exacerbations of chronic diseases and hospitalisation, intensive care unit admission, requirement for mechanical ventilation as well as length and complication of ventilatory support.**Disease(s)** : Respiratory critical care Respiratory infections**Method(s)** : Respiratory intensive care**Tag(s)** : Clinical**Target audience** : Clinical researcher, Critical/Intensive care physician, General practitioner, Nurse, Physiologist, Physiotherapist, Trainee, Adult pulmonologist/Clinician**Chairs** : Begüm Ergan (Izmir, Turkey), Miquel Ferrer Monreal (Barcelona, Spain)

10:45	Non-pharmacological strategies to prevent hospitalisation in advanced stable COPD Annalisa Carlucci (San Donato Milanese (MI), Italy)	426
11:15	Non-invasive respiratory assistance to prevent intubation in acute respiratory failure Stefano Nava (Bologna (BO), Italy)	427
11:45	Strategies to prevent diaphragm and lung injuries in ventilated patients Leo Heunks (Amsterdam, Netherlands)	428
12:15	Improving outcomes in interstitial lung disease patients who are mechanically ventilated in the intensive care unit Alexandre Demoule (Paris, France)	429

9E Session 74 10:45 - 12:45**Hot topics: Beyond T2 mechanisms in asthma: who are the other players?****What is next for treating severe asthma?****Aims** : to identify the unmet need for a valid definition of non-T2 severe asthma; to discuss current definitions and their limitations (including those in the relevant ATS/ERS and GINA guidelines); to emphasise the role of corticosteroids in suppressing T2 activity and the need for stepdown trials to define non-T2 disease; to ascertain the role of sex hormones in the pathogenesis of asthma onset, progression and/or exacerbations; to discuss the potential for targeting sex hormones and identifying new pathways that can be exploited for therapeutic interventions; to discuss the role of airway dysbiosis in severe asthma and the potential for targeting the microbiome with antibiotics, probiotics or phage therapies; to review novel clinical trial designs employing complex interventions to treat non-T2 severe asthma, focusing on comparisons with standard of care and methods to integrate these trials into existing monoclonal therapy pathways; to discuss the role of adaptive clinical trials and multi-arm multi-stage trial designs in the context of severe asthma; to highlight parallels with other disciplines such as oncology and rheumatology.

Disease(s) : Airway diseases**Method(s)** : Cell and molecular biology General respiratory patient care**Tag(s)** : Translational**Target audience** : Allergist, Clinical researcher, General practitioner, Nurse, Patient, Scientist (basic, translational), Adult pulmonologist/Clinician**Chairs** : Kian Fan Chung (London, United Kingdom), Mona Al-Ahmad (Kuwait, Kuwait), Nizar Jarjour (Madison, United States of America)

10:45	Defining non-T2 asthma: moving beyond the absence of T2 activity Salman Siddiqui (Leicester, United Kingdom)	430
11:15	The role of sex hormones in severe asthma Apostolos Bossios (Stockholm, Sweden)	431
11:45	Targeting microbes and dysbiosis in severe asthma Jodie Simpson (New Lambton, Australia)	432
12:15	Lots of promising targets and biomarkers, but how can we deliver the next generation of severe asthma trials? Louise Brown (London, United Kingdom)	433

9A Session 75 10:45 - 12:45**Hot topics: New horizons for pharmacotherapy of sleep-disordered breathing: from bench to bedside****Aims** : to describe the control of hypoglossal motor activity across sleep-wake states and identification of pharmacological targets in a preclinical model; to describe the results of the first successful clinical trial of pharmacological therapy for obstructive sleep apnoea; to describe the role of leptin in upper airway motor control in obesity and the potential therapeutic implications; to describe clinical and translational data regarding the effect of carbon anhydrase inhibitors on sleep-disordered breathing.**Disease(s)** : Sleep and breathing disorders**Method(s)** : Cell and molecular biology Epidemiology Physiology**Tag(s)** : Translational**Target audience** : Clinical researcher, General practitioner, Nurse, Physiologist, Scientist (basic, translational), Trainee, Adult pulmonologist/Clinician**Chairs** : Jan A. Hedner (Göteborg, Sweden), Maria Bonsignore (Palermo, Italy)

10:45	Control of hypoglossal motor activity across sleep-wake states and identification of pharmacological targets Richard Horner (Toronto (ON), Canada)	434
11:15	Ato-oxy as the first successful pharmacotherapy for obstructive sleep apnoea Luigi Taranto Montemurro (Chestnut Hill , United States of America)	435
11:45	Can leptin be used to treat obstructive sleep apnoea? Vsevolod Y. Polotsky (Baltimore, United States of America)	436
12:15	Carbon anhydrase inhibitors for treatment of obstructive sleep apnoea Jan A. Hedner (Göteborg, Sweden)	437

9C Session 76 10:45 - 12:45**Clinical trials session: ALERT: Abstracts Leading to Evolution in Respiratory Medicine Trials: COPD and cough****Aims** : to present important clinical trials in respiratory medicine; to summarise key findings and discuss with the audience experts conclusions, to bring clinical trial's abstracts into the clinical context. This session is led by a chair and two expert discussants who will facilitate the discussions and summarise key messages.**Disease(s)** : Airway diseases Respiratory critical care**Target audience** : Adult pulmonologist/Clinician, Trainee, Clinical researcher, Critical/Intensive care physician, Scientist (basic, translational), General practitioner**Chairs** : Daiana Stolz (Basel, Switzerland)**Discussants** : Felix J.F. Herth (Heidelberg, Germany), Frits M.E. Franssen (Horn, Netherlands)

- RCT446 Late Breaking Abstract - Identification of patients with COPD who benefit from benralizumab**
Gerard J. Criner (Philadelphia, United States of America), Gerard J. Criner, Bartolome R. Celli, Dave Singh, Maria Jison, Natalya Makulova, Vivian H. Shih, Laura Brooks, Peter Barker, Ubaldo J. Martin, Paul Newbold
-
- RCT447 Impact of endobronchial valves on patient reported outcomes in severe emphysema**
Mark Dransfield (Birmingham, United States of America), Mark Dransfield, Surya Bhatt, Dirk-Jan Slebos, Karin Klooster, Frank Scieurba, Pallav Shah, Justin Garner, Sri Radhakrishnan, Narinder Shargill, Nathaniel Marchetti, Gerard Criner
-
- RCT448 Late Breaking Abstract - Bronchial Rheoplasty For Treatment of Chronic Bronchitis: 6 Month Results from a Prospective Multi-Center Study**
Arschang Valipour (Wien, Austria), Arschang Valipour, Alvin Ing, Jonathan Williamson, Tajalli Saghaie, Daniel Steinfort, Lou Irving, Marc Fortin, Simon Martel, Gregory Snell, Eli Dabscheck, Jonathan Waldstreicher, William Krimsky, Sebastian Fernandez-Bussy
-
- RCT453 Wrap-up by discussant and discussion**
Felix J.F. Herth (Heidelberg, Germany)
-
- RCT449 High-Flow Oxygen Therapy (HFOT) during training in COPD with chronic respiratory failure (CRF): a multicentre randomized controlled trial**
Michele Vitacca (Gussago (BS), Italy), Michele Vitacca, Mara Paneroni, Elisabetta Zampogna, Antonio Spanevello, Piero Ceriana, Annalisa Carlucci, Paolo Banfi, Gabriele Pappacoda, Ludovico Trianni, Antonio Brogneri, Stefano Belli, Elena Paracchini, Maria Aliani, Vito Spinelli, Francesco Gigliotti, Barbara Lanini, Marta Lazzeri, Enrico Clini, Nicolino Ambrosino
-
- RCT450 Late Breaking Abstract - 1-year follow-up of pulmonary tele-rehabilitation versus conventional pulmonary rehabilitation: A multicenter, single blinded, superiority RCT**
Henrik Hansen (Dragør, Denmark), Henrik Hansen, Theresa Bieler, Nina Beyer, Thomas Kallemose, Anne Frølich, Nina Godtfredsen
-
- RCT451 Home initiation of chronic high-intensity noninvasive ventilation in COPD patients with chronic hypercapnic respiratory failure: the RECONSIDER trial.**
Marieke L. Duiverman (Groningen, Netherlands), Marieke L. Duiverman, Gerrie Bladder, Judith M. Vonk, Job F.M. Van Boven, Jellie Nieuwenhuis, Anda Hazenberg, Huib A.M. Kerstjens, Peter J Wijkstra
-
- RCT452 Late Breaking Abstract - Phase 2a randomised, double-blind, placebo-controlled, crossover study of a novel P2X3 receptor antagonist S-600918 in patients with refractory chronic cough**
Akio Niimi (Nagoya, Japan), Akio Niimi, Hiroyuki Ishihara, Hideaki Hida, Sayaka Miyazaki
-
- Wrap-up by discussant and discussion**
Frits M.E. Franssen (Horn, Netherlands)

9D

Session 77

10:45 - 12:45

Symposium: Early origins of lung disease: an interdisciplinary approach

Aims : to focus on the mechanisms underlying healthy and aberrant perinatal lung development as well as the impact of (pulmonary) immune maturation and microbial composition on lung health in childhood and adulthood; to bring together renowned experts in the field to identify knowledge gaps in research of pre- and postnatal lung development from a multidisciplinary perspective: to focus on cellular, immunological and microbial crosstalk in the lung, and to determine whether there is a window-of-opportunity in early life when potential preventive strategies for respiratory diseases can be beneficial.

Disease(s) : Paediatric respiratory diseases Pulmonary vascular diseases Respiratory infections

Method(s) : Cell and molecular biology Epidemiology

Tag(s) : Basic science

Target audience : Clinical researcher, Paediatrician, Scientist (basic, translational), Student

Chairs : Jennifer J.P. Collins (Rotterdam, Netherlands), Niki Ubags (Epalinges, Switzerland)

- | | | |
|-------|--|-----|
| 10:45 | Fetal and neonatal lung development: the impact of multiple pre- and postnatal exposures
Alan H. Jobe (Cincinnati, United States of America) | 442 |
| 11:15 | Does early injury of the neonatal lung contribute to premature lung aging?
Anne Hilgendorff (München, Germany) | 443 |
| 11:45 | Early-life pulmonary immunity and development of paediatric inflammatory respiratory diseases
Clare Lloyd (London, United Kingdom) | 444 |
| 12:15 | Early-life respiratory infections: diagnosis, prognosis and treatment
Debby Bogaert (Edinburgh, United Kingdom) | 445 |

8C Session 78 10:45 - 12:45**Symposium: Fighting antimicrobial resistance: from prevention to antimicrobial stewardship**
A joint European Society of Clinical Microbiology and Infectious Diseases (ESCMID)/ERS session

Aims : to discuss technological challenges, unmet medical and pharmacological needs and the real value of diagnostics; to present the new European Public Private Initiative.

Disease(s) : Respiratory infections

Method(s) : Cell and molecular biology Epidemiology General respiratory patient care

Tag(s) : Translational

Target audience : Clinical researcher, General practitioner, Paediatrician, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Murat Akova (Ankara, Turkey), Eva Polverino (Barcelona, Spain)

10:45	Antimicrobial resistance in respiratory diseases Francesco Blasi (Milan, Italy)	438
11:15	How to link antimicrobial and diagnostic stewardship Murat Akova (Ankara, Turkey)	439
11:45	The new era of diagnostics: will it ever start? Herman Goossens (Edegem (Antwerp), Belgium)	440
12:15	How to build an antimicrobial stewardship programme Keertan Dheda (Cape Town, South Africa)	441

9F Session 79 10:45 - 12:45**Lungs on Fire: Pulmonary vascular diseases?**

Aims : to explore the real-life challenging clinical cases in the innovative interactive session; to present the cases that have various levels of difficulty and often necessitate a differential diagnosis. This session is led by a discussant that will present the cases to a panel of experts and the audience. The discussant will encourage discussion among the panel of experts, who have never seen the cases, and additionally invite the audience in the reflexion and discussion of the cases presented to explore the various diagnostic and therapeutic options.

Disease(s) : Pulmonary vascular diseases Respiratory infections

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Critical/Intensive care physician, Clinical researcher, General practitioner, Thoracic surgeon, Radiologist, Nurse, Trainee

Chairs : Marion Delcroix (Leuven, Belgium), Joanna Pepke-Zaba (Cambridge (Cambridgeshire), United Kingdom), Antonio Anzueto Ramirez (San Antonio, United States of America), Arturo Humberto Huerta Garcia (Barcelona, Spain)

Discussants : Antoni Torres (Barcelona, Spain)

	Case 1 - Author: Hon Lin Wu (United Kingdom)	455
	Case 2 - Author: Cristina Sabater Abad (Spain)	456
	Case 3 - Author: Hideo Tsubata (Japan)	457
	Case 4 - Author: Nai Chien Huan (Malaysia)	458
	Case 5 - Author: Deniz Akçayöz (Turkey)	459
	Case 6 - Author: Yuping Li (China)	460
10:45	Introduction and presentation by the session facilitator Antoni Torres (Barcelona, Spain)	454

8A Session 80 10:45 - 12:45**Symposium: Lung transplantation in 2019: where are we?**

Aims : to provide an update on the most challenging problems and best outcomes in the field of lung transplantation; to learn how to select transplant candidates, match with right donor, identify ethical problems, and learn principles of recipient optimal management.

Disease(s) : Pulmonary vascular diseases Respiratory critical care Respiratory infections**Method(s)** : Respiratory intensive care Surgery Transplantation**Tag(s)** : Clinical**Target audience** : Clinical researcher, Critical/Intensive care physician, Lung function technologist, Physiotherapist, Scientist (basic, translational), Student, Thoracic surgeon, Trainee**Chairs** : Federica Meloni (Pavia (PV), Italy), Anne Olland (Strasbourg, France)

10:45	Ethics of lung transplantation Are Martin Holm (Oslo, Norway)	461
11:12	Extended criteria in donor selection: are we pushing the boundaries? Dirk Van Raemdonck (Leuven, Belgium)	462
11:40	Indications for lung transplantation: from ideal recipients to challenging candidates Jens Gottlieb (Hannover, Germany)	463
12:07	How to improve long-term outcomes following lung transplantation Geert Verleden (Leuven, Belgium)	464
12:35	Patient perspective Steve Jones (Cambridge, United Kingdom)	465

9B Session 81 10:45 - 12:45**Oral presentation: Intercellular communication in tissue remodelling of chronic lung diseases****Disease(s)** : Interstitial lung diseases Airway diseases**Method(s)** : Cell and molecular biology Pulmonary function testing Imaging**Chairs** : Arnaud Mailleux (Paris, France), Marcus Butler (Dublin 4, Ireland)

OA466	Late Breaking Abstract - B cell adaptive immune profile in emphysema-predominant COPD John Sullivan (Tucson, United States of America), Bhavani Bhagevalu, Lynette Sholl, Carolyn Glass, Samuel Packard, Monica Kraft, Fernando Martinez, Juan Pablo De Torres, Stefano Guerra, Francesca Polverino
OA467	Subtypes of eosinophilic asthma with discrete gene pathway phenotypes Jeanne-Marie Perotin-Collard (Reims, France), James Pr Schofield, Ben Nicholas, Fabio Strazzeri, Joost Brandsma, Aruna T Bansal, Xian Yang, Yi-Ke Guo, Anthony Rowe, Julie Corfield, Susan J Wilson, Jonathan Ward, Rene Lutter, Dominick E Shaw, Per S Bakke, Massimo Caruso, Sven-Erik Dahlen, Stephen J Fowler, Ildiko Horvath, Peter Howarth, Norbert Krug, Paolo Montuschi, Marek Sanak, Thomas Sandström, Kai Sun, Ioannis Pandis, John Riley, Charles Auffray, Bertrand De Meulder, Diane Lefaudeux, Ana R Sousa, Peter J Sterk, Ian M Adcock, Kian Fan Chung, Paul J Skipp, Ratko Djukanovic
OA468	Mechanistic target of rapamycin enhances fibrosis in lung by promoting epithelial mesenchymal transition Minako Saito (Tokyo, Japan), Akihisa Mitani, Taro Ishimori, Hideaki Isago, Yu Mikami, Satoshi Noguchi, Yasuyuki Morishita, Takahide Nagase
OA469	IPF lung resident mesenchymal stem cells differentiate into epithelial cells displaying a disease-specific transcriptome Katrin Esther Hostettler (Basel, Switzerland), Petra Khan, Maximilian Boesch, Lei Fang, Lars Knudsen, Spasenija Savic Prince, Danny Jonigk, Mark Kuehnel, Michael Tamm, Martin Brutsche, Florent Baty
OA470	The transition from normal lung anatomy to Fibrosis in IPF Feng Xu (Hangzhou (Zhejiang), China), Naoya Tanabe, John Macdonough, Dragos Vasilescu, Kohei Ikezoe, Diasuke Kinose, Kevin Ng, Stijn Verleden, Bart Vanaudenaerde, Johny Verschakelen, Joel Cooper, Marc Lenburg, Avrum Spira, Raymond Ng, Jim Hogg
OA471	Role of autocrine factors produced by airway basal cells in a 3D Organoid model testing bronchosphere generation which resembles epithelial remodeling processes in IPF Antje Prasse (Hannover, Germany), Isabelle Bodmann, Benedikt Jäger, Alfonso Carleo
OA472	Hyperoxia exposure induces age-dependent changes in gene expression in healthy mouse lung Erika Gonzalez (Munich, Germany), Xin Zhang, Prajakta Oak, Melanie Markmann, Anne Hilgendorff
OA473	Endotyping of COPD, bronchiectasis and their overlap syndrome by integrated sputum proteome/microbiome Jeffrey T.-J. Huang (Dundee (Angus), United Kingdom), Alison Dicker, Amelia Shoemark, Alun Barton, Holly Keir, Mike Lonergan, Simon Finch, James D Chalmers

6F Session 82 10:45 - 12:45**Oral presentation: New insights into respiratory function testing**

Disease(s) : Sleep and breathing disorders Airway diseases**Method(s) :** General respiratory patient care Pulmonary function testing Physiology Imaging Epidemiology**Chairs :** Sam Bayat (Grenoble, France), Zafeiris Louvaris (Leuven, Belgium)

- OA474 Late Breaking Abstract - The effect of negative intrathoracic pressure and dynamic hyperinflation on heart-lung interaction during exercise**
William Spencer Cheyne (Kelowna (BC), Canada), Adam Watson, Kaylie Welykholowa, Neil Eves
- OA475 Feasibility of Measuring Neural Respiratory Drive in the Home Following Severe COPD Exacerbation**
Rebecca D'Cruz (London, United Kingdom), Eui-Sik Suh, Georgios Kaltsakas, Neeraj Shah, Rita Priori, Mareike Klee, Patrick Murphy, Nicholas Hart
- OA476 Patterns of development of airflow limitation in smokers with preserved spirometry and air trapping phenotype in COPD Gene**
Mehrdad Arjomandi (San Francisco, United States of America), Siyang Zeng, David Lynch, Russell Bowler
- OA477 Temporal variability of forced oscillometry from home telemonitoring and relationship with patient-centred outcomes and AECOPD**
Sabine Zimmermann (Sydney (NSW), Australia), Jacqueline Huvanandana, Chinh Nguyen, Alessandro Gobbi, Claude Farah, Matthew Peters, Raffaele Dellaca, Gregory King, Cindy Thamrin
- OA478 Overnight deterioration of supine respiratory mechanics in COPD: impact of nocturnal acilidium bromide/formoterol fumarate**
Nicolle J. Domnik (Kingston (ON), Canada), Matthew James, Casey Ciavaglia, Helen Driver, Sophie Crinion, J Alberto Neder, Denis O'Donnell
- OA479 Influences of lung and left heart function on respiratory symptoms in COPD: Results from the COSYCONET cohort**
Peter Alter (Marburg, Germany), Barbara Mayerhofer, Kathrin Kahnert, Henrik Watz, Benjamin Waschki, Frank Biertz, Robert Bals, Claus F. Vogelmeier, Rudolf A. Jörres
- OA480 Predicting ambulatory oxygen indications with lung function tests**
Gil Gonçalves (Lousada, Portugal), Sara Cabral, António Paulo Lopes
- OA481 The relationship between the diaphragm mechanomyogram and breathlessness during inspiratory loading in chronic obstructive pulmonary disease**
Luis Carlos Estrada Petrocelli (Barcelona, Spain), Manuel Lozano-García, Anna Moore, Peter Siu Pan Cho, Keren Newlove, Sophie Paulson, Abel Torres, Leonardo Sarlabous, Gerrard Rafferty, John Moxham, Raimon Jané, Caroline Jolley

N103

Session 83

10:45 - 12:45

Oral presentation: Air pollution: from early life, the home environment to going underground**Disease(s) :** Airway diseases Interstitial lung diseases**Method(s) :** Epidemiology Public health Pulmonary function testing**Chairs :** Anna Hansell (Leicester, United Kingdom), Lidwien A.M. Smit (Utrecht, Netherlands)

- OA482 Prenatal, early-life and childhood exposure to air pollution and lung function in the UK Avon Longitudinal Study of Parents and Children (ALSPAC) cohort**
Anna Hansell (Leicester, United Kingdom), Yutong Cai, Raquel Granell, Marta Blangiardo, Daniela Fecht, John Gulliver, John Henderson, Paul Elliott
- OA483 The potential for air purification to reduce children's overall pollution exposure**
Norrice Liu (London, United Kingdom), Jonathan Grigg
- OA484 Environment and lung function in adults with asthma: an exposome approach in the EGEA study**
Alicia Guillien (SAINT EGREVE, France), Johanna Lepeule, Emie Seyve, Nicole Le Moual, Isabelle Pin, Christophe Pison, Oriane Dumas, Raphaëlle Varraso, Valérie Siroux
- OA485 Dampness and mould at home and at work in the RHINE study: Increased onset and decreased remission of adult respiratory symptoms, asthma and rhinitis**
Juan Wang (Beijing, China), Mihkel Pindus, Christer Janson, Torben Sigsgaard, Jeong-Lim Kim, Mathias Holm, Johan Sommar, Hans Orru, Thorarin Gislason, Ane Johannessen, Randi J. Bertelsen Bertelsen, Dan Norbäck
- OA486 Professional Drivers Exposure to Black Carbon in London, the Diesel Exposure Mitigation Study.**
Shanon Lim (London, United Kingdom), Benjamin Barratt, Lois Holliday, Christopher Griffiths, Ian Mudway
- OA487 A respiratory review of Australian men with coal mine dust lung disease**
Robert Edwards (Brisbane (QLD), Australia), Rhiannon McBean, Rex Parsons, Katrina Newbiggin

N104

Session 84

10:45 - 12:45

Oral presentation: Novel approaches to pleural effusion: should I change my practice?**Disease(s) :** Thoracic oncology**Method(s) :** Endoscopy and interventional pulmonology General respiratory patient care**Chairs :** Kevin Blyth (Glasgow (Glasgow), United Kingdom), Mohammed Munavvar (Preston (Lancashire), United Kingdom)**Transudative malignant pleural effusions****OA488** David Mccracken (Belfast (Belfast), United Kingdom), Rachel Mercer, Mata Tsikrika, Rebecca Varatharajah, Andrew Thayanandan, Lu Qiang, Gillian Shephard, Eihab Bedawi, Rachelle Asciak, John Wrightson, Najib Rahman**Local anesthesia by lidocaine versus lidocaine and midazolam in medical thoracoscopy****OA489** Marios E. Froudarakis (Alexandroupolis, Greece), Andreas Koulelidis, Stavros Anevlavis, Nikolaos Nikitidis, Paschalis Ntoliou, Savvas Eleftheriadis**Cytology positive pleural aspirations: sufficient to guide treatment?****OA490** Rebecca Varatharajah (Reading, United Kingdom), Gillian Shepherd, Rachel Mercer, Andrew Thanayanandan, Qiang Lu, Mata Tsikrika, David Mccracken, Rachelle Asciak, Eihab Bedawi, Maged Hassan, Najib Rahman**Feasibility of thoracic ultrasound to assess the withdrawal of the indwelling pleural catheter. Concordance with chest CT scan****OA491** Miguel Iglesias Heras (Salamanca, Spain), Rosa Cordovilla Pérez, Juan Cascón Hernández, José María Fernández García Hierro, José Ángel Tapias Del Pozo, Teresa Antolín García, Emilio Juárez Moreno, Roberto Fernández Mellado, Esther Yagüe Zapatero, Graciliano Estrada Trigeros, Miguel Barrueco Ferrero**Outcomes of cytology positive malignant pleural effusions; do certain malignancies predispose patients to trapped lung?****OA492** Gillian Shepherd (Marlow, United Kingdom), Rachel Mercer, Olalla Castro, Rebecca Varatharajah, Andrew Thayanandan, Qiang Lu, Maged Hassan, Eihab Bedawi, David Mccracken, Rachelle Asciak, Mata Tsikrika, Robert Hallifax, Najib Rahman**EPIToME (Early Pleurodesis via IPC with Talc for Malignant Effusion): Evaluation of a new management algorithm****OA493** Deirdre B Fitzgerald (Perth, Australia), Sanjeevan Muruganandan, Christopher Stanley, Arash Badiei, Kevin Murray, Cathy A Read, Y C Gary Lee**Negative predictive value of pleural fluid cytology in patients with a background of cancer.****OA494** Olalla Castro Añón (Lugo, Spain), Rachel Mercer, Rachelle Asciak, David Mccracken, Eihab Bedawi, Maged Hassan, Alexandra Dudina, Qianj Lu, Mata Tsikrika, Rebecca Varatharajah, Gillian Shepherd, Andrew Thayanandan, Robert J Hallifax, John Wrightson, Najib M Rahman

6E

Session 85

10:45 - 12:45

Oral presentation: Endpoints and risk assessment of pulmonary arterial hypertension**Disease(s) :** Pulmonary vascular diseases**Method(s) :** Pulmonary function testing Imaging Physiology Cell and molecular biology General respiratory patient care Transplantation**Chairs :** Marc Humbert (Paris, France), Marius M. Hoeper (Hannover, Germany)**Late Breaking Abstract - Validation of the REVEAL 2.0 Risk Score with the Australian and New Zealand Pulmonary Hypertension Registry Cohort.****OA495** James Anderson (Brisbane (QLD), Australia), Edmund Lau, Melanie Lavender, Raymond Benza, David Celermajer, Nicholas Collins, Carolyn Corrigan, Nathan Dwyer, John Feenstra, Mark Horrigan, Dominic Keating, Eugene Kotlyar, Tanya McWilliams, Bronwen Rhodes, Peter Steele, Vivek Thakkar, Trevor Williams, Helen Whitford, Kenneth Whyte, Robert Weintraub, Jeremy Wrobel, Anne Keogh, Geoff Strange**A prospective study comparing the repeatability and sensitivity to change of non-invasive endpoints in pulmonary arterial hypertension: the RESPIRE study****OA496** Andy Swift (Sheffield (South Yorkshire), United Kingdom), David Kiely, Marcella Cogliano, Lindsay Kendall, Charlotte Oram, Dave Capener, Alex Rothman, Pankaj Garg, Chris Johns, Matt Austin, Jo Pickworth, Peter Hickey, Tony Kahn, Allan Lawrie, Robin Condliffe, Fred Wilson, Jim Wild**A dynamic prognostic model to predict survival and determine treatment goals in pulmonary arterial hypertension (PAH): the EFORT study****OA497** Olivier Sitbon (Le Kremlin-Bicêtre, France), Pierre Clerson, Vincent Cottin, Pascal Degroote, Grégoire Prevot, Laurent Savale, Xavier Jaïs, Ari Chaouat, Claire Dromer, Arnaud Bourdin, Sébastien Renard, Emmanuel Bergot, Christophe Pison, Fabrice Bauer, Claire Dauphin, Martine Reynaud Gaubert, David Montani, Gérald Simonneau, Marc Humbert

- OA498 Risk stratification of pulmonary arterial hypertension (PAH) associated with adult congenital heart disease (ACHD)**
Sheila Ramjug (Altrincham, United Kingdom), Catherine Billings, Sarah Bowater, Athanasios Charalampopoulos, Paul Clift, Charlie Elliot, Judith Hurdman, Petra Jenkins, David Kiely, Robert Lewis, James Oliver, Ian Sabroe, Robin Condliffe
- OA499 Risk assessment and prognosis in patients with pulmonary arterial hypertension receiving intravenous treprostinil**
Karen M Olsson (Hannover, Germany), Manuel Richter, Jan C Kamp, Henning Gall, Alexander Heine, Hossein-Ardeshir Ghofrani, Jan Fuge, Ralf Ewert, Marius M. Hoeper
- OA500 Serum endostatin as a genetically-influenced biomarker in PAH**
Catherine Simpson (Baltimore, United States of America), Rachel L. Damico, Paul M. Hassoun, Lisa J. Martin, Jun Yang, Melanie Nies, R. Dhananjay Vaidya, Stephanie Brandal, Michael Pauciuolo, Eric Austin, Dunbar Ivy, William Nichols, Allen D. Everett
- OA501 Asymmetric dimethylarginine (ADMA) to monitor treatments of pulmonary hypertension**
Nika Skoro-Sajer (Wien, Austria), Victoria Probst, Roela Sadushi-Kolici, Christian Gerges, Ioana Campean, Irene Lang
- OA502 The change of lung diffusion capacity does not influence the prognosis in patients with pulmonary arterial hypertension associated with systemic sclerosis.**
Alexander Volkov (MOSCOW, Russian Federation), Ekaterina Nikolaeva, Natalia Yudkina, Tamila Martynyuk

N101+102

Session 86

10:45 - 12:45

Oral presentation: Lung function evaluation and prognosis of airway diseases

Disease(s) : **Airway diseases**

Method(s) : Pulmonary function testing Epidemiology General respiratory patient care Imaging Cell and molecular biology Physiology

Chairs : Antonio Spanevello (Milan, Italy), Brian J. Lipworth (Dundee (Angus), United Kingdom)

- OA503 Late Breaking Abstract - iPREDICT: Pilot study to develop predictive model of changes in asthma control**
Mario Castro (Kansas City, United States of America), Charles Humphries, Alexander White, Chester Fox, Annika Rutgersson, Magnus Jörnten-Karlsson, Bhaskar Dutta, Lynn Hagger
- OA504 Prevalence of abnormal lung function and age-dependent risk factors in the general population**
Alina Ofenheimer (Wien, Austria), Marie-Kathrin Breyer, Sylvia Hartl, Otto C. Burghuber, Alvar Agusti, Rosa Faner, Andrea Schrott, Matthias Urban, Robab Breyer-Kohansal
- OA505 Relationship of airway structural changes and lung function abnormalities with blood and BAL biomarkers in asthma**
Stanislawa Bazan-Socha (Kraków, Poland), Joanna Zuk, Pawel Kozlik, Jacek Zarychta, Krzysztof Okon, Lech Zareba, Jan Bazan, Jerzy Soja, Jacek Musial
- OA506 Impact of chronic obstructive pulmonary disease on specific-cause of mortality: a national cohort study**
Sun Hye Shin (Seoul, Republic of Korea), Hye Yun Park, Danbee Kang, Hyun Lee, Minwoong Kang, Sunga Kong, Chin Kook Rhee, Juhee Cho, Kwang Ha Yoo
- OA507 PROGNOSIS OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD) ACCORDING TO STRENGTH IN UPPER LIMBS**
Maria Churruca Arrospide (Madrid, Spain), Ana Roca Noval, Emma Vázquez Espinosa, Tamara Alonso Pérez, Patricia Pérez González, Rosa Mar Gómez Punter
- OA508 Health status impact on mortality and lung function decline in COPD Gene smokers**
Wassim Labaki (Ann Arbor, United States of America), Tian Gu, Susan Murray, Jeffrey Curtis, Xavier Soler, Surya Bhatt, Jessica Bon, Terri Beaty, John Hokanson, Douglas Curran-Everett, Katherine Lowe, Russell Bowler, Barry Make, Elizabeth Regan, Fernando Martinez, Craig Hersh, Edwin Silverman, James Crapo, Meilan Han
- OA509 Is the course of handgrip strength an indicator for mortality in COPD? A longitudinal cohort study**
Dario Kohlbrenner (Zurich, Switzerland), Noriane A. Sievi, Robert Thurnheer, Joerg D. Leuppi, Sarosh Irani, Martin Frey, Martin Brutsche, Thomas Brack, Malcolm Kohler, Christian F. Clarenbach
- OA510 Combined effects of lung function, blood gases and kidney function on the exacerbation risk in stable COPD: Results from the German COSYCONET cohort.**
Franziska Trudzinski (Homburg (Saar), Germany), Kathrin Kahnert, Claus Vogelmeier, Peter Alter, Frederik Seiler, Sebastian Fährdrich, Hendrik Watz, Tobias Welte, Timoteus Speer, Stephen Zewinger, Frank Biertz, Hans-Ulrich Kauczor, Rudolf Jörres, Robert Bals

6A

Session 87

10:45 - 12:45

Poster discussion: The future of pulmonary rehabilitation discussed today

Disease(s) : Airway diseases Sleep and breathing disorders Pulmonary vascular diseases Interstitial lung diseases Respiratory critical care

Method(s) : General respiratory patient care Epidemiology Pulmonary rehabilitation Physiology Transplantation Imaging

Chairs : Tessa Schneeberger (Schönau am Königssee, Germany), Sally J. Singh (Leicester (Leicestershire), United Kingdom)

- PA511** **3-minute constant-rate shuttle walking (3MWT) and stair stepping tests (3MST) to assess exertional breathlessness in COPD: responsiveness to pulmonary rehabilitation and estimation of the minimal important difference**
Lauren Tracey (Dorval (QC), Canada), Steven Murray, Kim-Ly Bui, Nathalie Saad, Jean Bourbeau, Benjamin M. Smith, Francois Maltais, Didier Saey, Dennis Jensen
-
- PA512** **Completion of early pulmonary rehabilitation after COPD exacerbation reduces hospital admissionsSub-group analysis from the COPD-EXA-REHAB STUDY**
Jakob Lyngby Kjaergaard (Brønshøj, Denmark), Carsten Bogh Juhl, Peter Lange, Torgny Willeke
-
- PA513** **Asthma control (AC) and Quality of life (QoL) one year after Pulmonary Rehabilitation (PR)**
Konrad Schultz (Bad Reichenhall, Germany), Michael Wittmann, Nicola Leibert, Larissa Schwarzkopf, Boglarka Szentes, Dennis Nowak, Hermann Faller, Michael Schuler
-
- PA514** **Characteristics of the cardiopulmonary response with increasing exercise intensity in patients with COPD**
Naomi Miyamoto (Nara, Japan), Kazuyuki Tabira
-
- PA515** **Impact of Pulmonary Hypertension on the Response to Pulmonary Rehabilitation in Obstructive Lung Disease**
Yasmine Rebaïne (Montréal (QC), Canada), Claude Poirier, Bruno-Pierre Dubé
-
- PA516** **Motivation of participants of the HOMEX-1 RCT to conduct long-term home-based exercise following pulmonary rehabilitation**
Anja Frei (Zürich, Switzerland), Thomas Radtke, Kaba Dalla Lana, Thomas Sigrist, Patrick Brun, Marc Spielmanns, Swantje Beyer, Gilbert Büsching, Thomas Riegler, Sabine Schöndorf, Ramona Müller, Milo Puhan
-
- PA517** **Pre- and post-lung transplant pulmonary rehabilitation between 2012 and 2019 in Hungary**
Janos Tamas Varga (Budapest, Hungary), Krisztina Kelemen, Aniko Bohacs, Krisztina Czebe, Ildiko Madurka, Ferenc Renyi-Vamos, Gyorgy Lang
-
- PA518** **Eccentric cycling for individuals with COPD: cardiorespiratory and metabolic responses**
Tom Ward (Market Harborough (Leicestershire), United Kingdom), Tom Ward, Martin Lindley, Richard Ferguson, Rachael Evans, Sally Singh, Charlotte Bolton, Paul Greenhaff, Michael Steiner
-
- PA519** **Validation of a tool to assess daily active behaviour in COPD patients**
Giuseppe Lo Bello (Como, Italy), Elisabetta Zampogna, Giorgio Bertolotti, Alessandra Ianni, Francesca Cherubino, Dina Visca, Antonio Spanevello, Andrea Zanini, Mara Paneroni, Michele Vitacca, Patrizia Pignatti, Nicolino Ambrosino, Andrea Giordano
-
- PA520** **Physiological responses in the cardiopulmonary exercise test to arm and leg in patients with chronic thromboembolic pulmonary hypertension (CTEPH)**
Ivan Teruaki Ivanaga (São Paulo (SP), Brazil), Ana Carolina Pinto, Elaine Brito Vieira, Gabriela Figliolino, João Victor Rolim, Melline Almeida, Mariana Rodrigues Gazzotti, Angelo Cepeda, Danielle Bedin, Eloara Vieira Machado Ferreira, José Roberto Jardim, Jaquelina Sonoe Ota Arakaki, Roberta Pulcheri Ramos, Oliver Augusto Nascimento
-
- PA521** **COPD and palliative care: a collaborative model to improve quality of life and reduce readmissions**
Kay Roy (St Albans (Hertfordshire), United Kingdom), Ruth Prednecki, Audrey Marau, Louise Holt, Sarah Klinger
-
- PA522** **Pulmonary rehabilitation in patients with group 3 pulmonary hypertension: evaluation of clinical outcomes, adherence and safety.**
Laura Moth (London, United Kingdom), Claire Fitzgerald, Philip Marino, Leyla Osman, Lynn McDonnell, Lauren Hogg, Harriet Shannon
-
- PA523** **COPD patient cohort on long-term home mechanical ventilation (HMV) in Catalonia (CATCOVER): descriptive analysis.**
Joan Escarrabill Sanglas (Barcelona, Spain), Anna Sabater Montaner, Noelia Pérez Márquez, Pedro A. Antón Albisu, Eduardo Loeb Melus, Sergi Martí Beltran, Julia Tárrega Camarasa, Ana Córdoba Izquierdo, Ana Mas Esteve, Ferran Barbé Illa, Paola Carmona Arias, Manel Luján Torné, Cristina Lalmolda Puyol, Laura Ovejero García, Maria Pilar Ortega Castillo, Juana Martínez Llorens, Ana Balañá Corberó, Onintza Garmendia Sorrondegui, Cristina Embid López, Oscar Benadich Márquez, Tomas Salas Fernández, Carles Rubies Feijoo
-
- PA524** **Impact of patient-ventilator asynchronies during exercise with NIV in patients with COPD**
Tristan Bonnevie (Saint Léger Du Bourg Denis, France), Emeline Fresnel, Adrien Kerfourn, Catherine Viacroze, Jean-François Muir, Clément Médinal, Antoine Cuvelier, Francis-Edouard Gravier, Maxime Patout
-
- PA525** **The illness perceptions in chronic obstructive pulmonary disease: a qualitative study**
Eleonora Volpato (Milano (MI), Italy), Marta Pozzar, Chiara Valota, Paolo Banfi, Francesco Pagnini

- PA526** **The effect of brief education on the prescription of Oxygen in an inpatient electronic medical chart (EMC).**
Rivindi Watthayalage (Normanhurst (NSW), Australia), Rivindi Watthayalage, Ming-Yan Teo, Mohan Nagarajah
- PA527** **Probiotic treatment and aerobic physical activity effects on visceral fat and posture in overweight patients with asthma**
Rostyslav Bubnov (Kyiv, Ukraine), Liudmyla Petrenko, Lev Kalika, Mykola Spivak
- PA528** **Does modified incremental step test evaluate maximal exercise capacity in moderate to severe subjects with asthma?**
Renata Barbosa (São Paulo, Brazil), Ronaldo Silva, Simone Camargo, Simone Dal Corso, João Marcos Salge, Alfredo José Fonseca, Rafael Stelmach, Celso Carvalho

6B **Session 88** **10:45 - 12:45**

Poster discussion: Understanding, monitoring and targeting severe asthma

Disease(s) : Respiratory critical care Airway diseases

Method(s) : General respiratory patient care Imaging Cell and molecular biology Respiratory intensive care Pulmonary function testing

Chairs : Konstantinos Kostikas (Ioannina, Greece), Marco Idzko (Wien, Austria)

- PA529** **Late Breaking Abstract - Benralizumab treatment strongly reduces blood basophils in patients with severe eosinophilic asthma**
Marek Lommatzsch (Rostock, Germany), Hannes Marchewski, Kai Bratke, Georg Schwefel, Johann Christian Virchow
- PA530** **Increased levels of human myeloperoxidase (MPO) and neutrophil lipocalin (HNL/NGAL) in childhood asthma**
Min Jung Kim (Seoul, Republic of Korea), Cheong Bi Kim, Doo Hee Shim, Hye-Ran Cha, Su Jin Hwang, Jeon Han Park, Kyung Won Kim, Jae Myun Lee, Myung Hyun Sohn
- PA531** **A polymorphism in DNASE1L3 is associated with severe asthma exacerbations in two-high risk populations for asthma**
Esther Herrera Luis (La Laguna, Spain), Javier Perez-Garcia, Natalia Hernandez-Pacheco, Scott Huntsman, Celeste Eng, Esteban G. Burchard, Fabian Lorenzo-Diaz, Maria Pino-Yanes
- PA532** **Respiratory disease in a cohort of patients with primary antibody deficiency**
Puneet Agarwal (Aberdeen, United Kingdom), Puneet Agarwal, Denise Mullen, Syed Muhammad Rashid Azam, Owen John Dempsey, Richard Herriot
- PA533** **Microbiome in lower respiratory tract of steroid- free patients with asthma**
Ling Yang (Chengdu (Sichuan), China), Ling Yang, Bi-Cui Liu, Ting Liu, Jian Luo, Ting-Xuan Huang, Chun-Tao Liu
- PA534** **Treatment with Omalizumab in adults with severe allergic reduces Fc γ I expression on dendritic cells and improves antiviral responses.**
Peter Wark (New Lambton Heights (NSW), Australia), Kristy Nichol, Douglas Dorahy, Adam Collison, Joerg Mattes
- PA536** **Dupilumab Efficacy in Patients With Uncontrolled, Moderate-to-Severe Asthma by Immunoglobulin E Levels at Baseline**
Warner W. Carr (Mission Viejo, United States of America), David J. Jackson, Jonathan Corren, Karl-Christian Bergmann, Megan S. Rice, Yamo Deniz, Paul Rowe, Nikhil Amin, Ariel Teper
- PA535** **Relationship between CRTH2 mRNA expression in peripheral blood and IgE and eosinophil levels in adult patients with asthma**
Ignacio Dávila (Salamanca, Spain), Asunción García-Sánchez, Miguel Estravís, Alicia Landeira-Viñuela, Andrea Iribarren-López, Emma Moreno-Jiménez, Cristina Martín-García, Esther Moreno, Catalina Sanz, María Isidoro-García
- PA537** **The German Severe Asthma Registry: FeNO values correlate with medical therapy, quality of life and smoking**
Christina Bal (Wien, Austria), Marco Idzko, Sabina Škrat, Andrea Koch, Christian Schulz, Eckard Hamelmann, Roland Buhl, Stephanie Korn
- PA538** **Dupilumab Efficacy in Asthma Patients With FEV1 60–80% Predicted on Medium-Dose ICS: LIBERTY ASTHMA QUEST Study**
Alberto Papi (Ferrara, Italy), Ian D. Pavord, J. Mark Fitzgerald, Jonathan Corren, Philip Bardin, Hae Sim Park, Megan S. Rice, Yamo Deniz, Paul Rowe, Heribert Staudinger, Nikhil Amin, Marcella Ruddy, Neil M.H. Graham, Ariel Teper
- PA539** **Dupilumab (DPL) Improves Upper and Lower Airway Outcomes in Chronic Rhinosinusitis With Nasal Polyps (CRSwNP) with Nonsteroidal Anti-inflammatory Drug-Exacerbated Respiratory Disease (NSAID-ERD): Pooled Results From SINUS-24, SINUS-52 Phase 3 Trials**
Claus Bachert (Ghent, Belgium), Tanya M. Laidlaw, Joaquim Mullol, G. Walter Canonica, Joseph K. Han, Mei Zhang, Xin Lu, Naimish Patel, Neil Mh Graham, Heribert Staudinger, Leda P. Mannent, Nikhil Amin

- PA540 Dupilumab Effect on Lung Function in Patients With Uncontrolled, Moderate-to-Severe Asthma With an Allergic Phenotype**
Mario Castro (Kansas City, United States of America), Jonathan Corren, Thomas B. Casale, Santiago Quirce, Megan S. Rice, Yamo Deniz, Paul Rowe, Nikhil Amin, Ariel Teper
- PA541 Clinical response to mepolizumab in patients with severe eosinophilic asthma**
Erin Harvey (New Lambton Heights, Australia), Erin Harvey, David L Langton, Heather Powell, Peter G Gibson
- PA542 Omalizumab in allergic and non-allergic patients: results of FENOMA study**
Aizea Mardones Charroalde (, Spain), Paloma Campo Mozo, José Gregorio Soto Campos, Ana Moreira Jorge, Ignacio Jesús Dávila González
- PA543 Efficacy of Omalizumab in adult and pediatric severe allergic asthma according to presence of multiple allergic comorbidities: evidence from the STELLAIR study.**
Brigitte Lecocq (Rueil-Malmaison, France), Jocelyne Just, Céline Thonnellier, Mathieu Molimard, Marc Humbert
- PA544 Aspergillus sensitization and aspergillus-associated diseases in a sample of patients with severe asthma**
Caterina Bucca (Torino (TO), Italy), Francesca De Blasio, Davide Dassetto, Renza Ambrosanio, Annamaria Rella, Luca Riberi, Paolo Solidoro
- PA545 Retrospective study on the combined use of voriconazole and prednisolone in the treatment of acute allergic bronchopulmonary aspergillosis (ABPA).**
Francesco Bini (Pavia (PV), Italy), Dina Visca, Noemi Grassi, Angelo De Lauretis, Antonio Spanevello, Adriano Vaghi
- PA546 Evaluation of Airway Wall Thickness in Severe Asthma with monoclonal antibody therapy**
Junko Saji (Kanagawa, Japan), Yuki Kanno, Akihito Tsunoda, Eriko Koda, Shinya Azagami, Hiromi Muraoka, Mariko Okamoto, Hiroshi Handa, Hiroki Nishine, Takeo Inoue, Teruomi Miyazawa, Masamichi Mineshita

6C

Session 89

10:45 - 12:45

Poster discussion: Tuberculosis: diagnosis and scores

Disease(s) : [Airway diseases](#) [Respiratory critical care](#)

Method(s) : General respiratory patient care Surgery Cell and molecular biology Public health Respiratory intensive care Endoscopy and interventional pulmonology

Chairs : Graham H. Bothamley (London, United Kingdom), Simon Tiberi (London, United Kingdom)

- PA547 Clinical characteristics of pulmonary tuberculosis in elderly Japanese patients**
Masaomi Marukawa (Marugame, Japan), Katsuhiko Matsuoka, Hisao Higo, Noriyuki Suzaki, Takuya Nagata
- PA548 Detection of NTM in surgery samples from patients hospitalized with presumed TB**
Tatiana Smirnova (Moscow, Russian Federation), Atadzhan Ergeshov, Sofya Andreevskaya, Irina Andrievskaya, Elena Larionova, Larisa Chernousova
- PA549 The change of PD-1 and CTLA-4 during LTBI and TB reactivation**
Chin-Chung Shu (Taipei, Taiwan)
- PA550 The Pleural and blood gene expression level of GBP5 and STAT1 were associated with pleural tuberculosis: TB pleura diagnostic biomarkers.**
Narumol Luekitinun (Nonthaburi Province, Thailand), Surakameth Mahasirimongkol, Nusara Satproedprai, Reiko Miyahara, Kamon Kawkitinarong
- PA551 Indeterminate IFN- γ release assay test results predict poor prognosis of active pulmonary tuberculosis**
Taisuke Akamatsu (Shizuoka, Japan), Toshihiro Shirai, Kanami Tamura, Toshihiro Masuda, Shingo Takahashi, Yuko Tanaka, Yutaro Kishimoto, Kyohei Oishi, Yoshinari Endo, Mika Saigusa, Akito Yamamoto, Satoru Morita, Kazuhiro Asada
- PA552 Comparison of utilizing GeneXpert MTB/RIF and other conventional methods on bronchoalveolar lavage in the diagnosis of Mycobacterium tuberculosis: A real-life retrospective study**
Chun Ian Soo (Kuala Lumpur (Wilayah Persekutuan), Malaysia), Kuan Yee Lim, Rathika Rajah, Boon Hau Ng, Faisal Abdul Hamid, Andrea Yu-Lin Ban
- PA553 Detection of metabolic profile in urine for diagnosing pediatric tuberculosis**
Patricia Comella-del-Barrio (Barcelona, Spain), José Luis Izquierdo-Garcia, Ramón Campos-Olivas, Clara M Santiveri, Jesús Ruiz-Cabello, Tomas M Pérez-Porcuna, José Domínguez
- PA554 Sensitivity and specificity of loop-mediated isothermal amplification assay for diagnosis of extra-pulmonary tuberculosis: A cross-sectional study**
Priyanka Singh (VARANASI, India), Priyanka Singh, Swapna Kanade, Gita Nataraj

PA555	Prospective validation of a proposed severity-of-illness score in patients with tuberculosis requiring intensive care unit admission Coenraad Frederik Nicolaas Koegelenberg (Cape Town, South Africa), Usha Lalla, Jantjie J Taljaard, Brian W Allwood, Elvis M Irusen
PA556	Outcomes of new entrant TB screening in Bolton, UK Gideon Katzenberg (Bolton, United Kingdom), Rizwan Ahmed
PA557	New guidelines for screening for tuberculosis and latent tuberculosis infection pre-immunosuppressive therapy in the Netherlands: a targeted and stratified approach Paul van der Valk (Enschede, Netherlands), Reinout Van Crevel, Jurriaan Jde Steenwinkel, Marleen Bakker, Harald Vonkeman, Rob Van Hest
PA558	The assessment of comparative efficacy of radial EBUS vs conventional bronchoscopy specimens in the diagnosis of pulmonary TB Irina Shabalina (Moscow, Russian Federation), Ilya Sivokozov, Galina Evguschenko, Elena Larionova, Natalya Karpina, Atadzan Ergeshov
PA559	Combined evaluation of TBAg/M, IL22 and IL17 to predict LTBI progression Yana Todorova (Sofia, Bulgaria), Yana Todorova, Radoslava Emilova, Vladimir Milanov, Elizabeta Bachiyaska, Yuliana Atanasova, Tonka Varleva, Lilia Eneva, Maria Nikolova
PA560	Utility of MPT64 antigen detection test for diagnosis of HIV coinfecting extrapulmonary tuberculosis in Tanzania Erlend Grønningen (Bergen, Norway), Lisbet Sviland, Ester Ngadaya, Marywinnie Nanyaro, William Muller, Lisete Torres, Sayoki Mfinanga, Tehmina Mustafa
PA561	The meaning of a high monocyte to lymphocyte ratio in tuberculosis Tom Buttle (London, United Kingdom), Graham Bothamley
PA562	Comparison of the change in QuantiFERON-TB Gold Plus and QuantiFERON-TB Gold In-Tube results after preventive therapy for latent tuberculosis infection Ock-Hwa Kim (Seoul, Republic of Korea), Kyung-Wook Jo, Shinhee Park, Yong-Ha Jo, Mi-Na Kim, Heungsung Sung, Tae Sun Shim
PA563	Evaluation of IP-10 in blood serum for TB diagnosis in patients with late-stage HIV infection Artem Dudchenko (Zelenograd, Russian Federation), Natalya Karpina, Michael Averbakh, Atajan Ergesho

6D Session 90 10:45 - 12:45

Poster discussion: Exercise and rehabilitation in patients with acute and chronic respiratory diseases

Disease(s) : [Airway diseases](#) [Pulmonary vascular diseases](#) [Respiratory critical care](#) [Thoracic oncology](#) [Interstitial lung diseases](#) | [Sleep and breathing disorders](#)

Method(s) : Pulmonary rehabilitation General respiratory patient care Respiratory intensive care Surgery

Chairs : Pat Camp (Vancouver (BC), Canada), Fabio Pitta (Londrina, Brazil)

PA564	Referrals to pulmonary rehabilitation after acute exacerbations of COPD: a mixed-methods evaluation. Christian Osadnik (Melbourne, Australia), Carla Gordon, Elena Gerstman
PA565	Pulmonary rehabilitation closer to patients – feasibility and effectiveness study Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Patrícia Rebelo, Cátia Paixão, Cristina Jácome, Joana Cruz, Marília Rua, Helena Loureiro, Célia Freitas, Carla Valente, Pedro Ferreira, Lília Andrade, Ana Oliveira
PA567	Effects of a physical training protocol on heart rate kinetics and heart rate variability indexes in patients with pulmonary arterial hypertension. Luciana Malosa Sampaio (São Paulo (SP), Brazil), Etiene Teixeira De Carvalho, Aline Marsico, Vivian Arakelian, Federico Aletti, Lawrence Cahalin, Michel Reis, Roberto Stiburlov, Ivan Costa
PA568	Predictors for increase in exercise capacity after pulmonary rehabilitation in COPD Bente Frisk (Sandnes, Norway), Åse Iren Steine, Katrine Mikkelsen, Solfrid Indrekvam, Einar Thorsen
PA569	Pulmonary rehabilitation including interactive 3D visualization technique, in COPD Pernilla Sönnerrfors (Stockholm, Sweden), Gun Faager, Anna Karin Nordlin, Ulrika Einarsson
PA570	Short-term exercise training in virtual reality in patients with COPD, solution or white elephant ? Sebastian Rutkowski (Opole, Poland), Anna Rutkowska, Henryk Rachenik, Joanna Szczepańska-Gieracha, Jan Szczegieliński

PA571	Combining functional exercises with physical training in COPD patients: effects on body composition Isis Grigoletto Silva (Pirapozinho, São Paulo, Brazil), Fabiano Francisco De Lima, Thais De Oliveira Souza, Juliana Souza Uzeloto, Dionei Ramos, Carlos Augusto Marçal Camillo, Ercy Mara Cipulo Ramos
PA572	The Effect Of An Active Exercise Program Combined With Chest Physiotherapy On Pain Severity, Posture, Respiratory Function And Quality Of Life In Patients With Chronic Obstructive Pulmonary Disease. Fulden Cakir (Ankara, Turkey), Filiz Can
PA573	Pulmonary rehabilitation reduces fatigue in COPD: a responder analysis Maarten Van Herck (Diepenbeek, Belgium), Jeanine Antons, Jan Vercoulen, Yvonne Goërtz, Zjala Ebadi, Chris Burtin, Daisy Janssen, Melissa Thong, Jacqueline Otker, Arnold Coors, Miriam Sprangers, Jean Muris, Emiel Wouters, Judith Prins, Martijn Spruit, Jeannette Peters
PA574	Enablers, barriers, needs and preferences of physical activity in patients with COPD: does pulmonary rehabilitation play a role? Joana Cruz (Leiria, Portugal), Liliana A. Santos, Sofia Flora, Nádia Hipólito, Alda Marques, Ana Oliveira, Nuno Morais, Bruno P. Carreira
PA575	Frailty in chronic respiratory disease: prevalence and comparison of rehabilitation clinical outcomes Ken Johnston (London, United Kingdom), Binny Patel, Radoslav Trojak, Bunmi Adebajo, Kola Akinlabi
PA576	Disease-specific knowledge in Greek patients with COPD before entering pulmonary rehabilitation Eleni Kortianou (Athens (Alimos), Greece), Ioanna Lemoniadi, Aspasia Mavronasou, Stavroula Spetsioti, Nikolaos Anastasopoulos, Maroula Vasilopoulou, Ioannis Vogiatzis, Nikolaos G. Koulouris
PA577	Effect of oropharyngeal exercises and Pranayama on snoring, daytime sleepiness and quality of sleep in patients with moderate obstructive Sleep Apnea Syndrome. amrit kaur, Mahesh Mitra
PA578	Cancer And Physical ACTivity (CAPACITY) trial- A randomised control trial of exercise and self-management in lung cancer: preliminary feasibility results Catherine Granger (Parkville (VIC), Australia), Selina Parry, Lara Edbrooke, Louis Irving, Phillip Antippa, Meinir Krishnasamy, Nicole Elsegood, Linda Denehy
PA579	Protocol of early mobilization and rehabilitation in critical patients using inotropic medications: Is it really safe? Our hands on practice! Alexandre Silva (Rio De Janeiro (RJ), Brazil), Patrícia Azevedo, Fernando Mendonça, Marcos Knibel, Cristiano Gomes, Yves De Souza
PA580	The respiratory effect of mobilization immediately after abdominal surgery - a randomized controlled trial. Anna Svensson-Raskh (Huddinge, Sweden), Monika Fagevik Olsén, Anna Schandl, Agneta Ståhle, Malin Nygren-Bonnier
PA581	Electro-stimulation and cycle-ergometer effects on patients in Intensive Care Unit Ana Paula Assuncao - Quirino (Alfenas MG, Brazil), José Roberto Sostena Neto, Leticia Sandis Barbosa, Fernanda Santos De Oliveira, Luciana Maria Dos Reis, Adriano Prado Simão, Carolina Kosour

7B Session 91 10:45 - 12:45

Poster discussion: Extracellular matrix formation and remodelling in physiology and disease

Disease(s) : [Interstitial lung diseases](#) [Respiratory critical care](#) [Airway diseases](#)

Method(s) : Cell and molecular biology Transplantation Physiology

Chairs : Sinem Tas (Lund, Sweden), Daniel Tschumperlin (Rochester, United States of America)

PA582	Late Breaking Abstract - 3D Bioprinting of Decellularised Porcine Lung ECM Sinem Tas (Lund, Sweden), Deniz A. Bölükbas, Hani Alsafadi, Martina De Santis, Darcy Wagner
PA583	SH2 domain-containing Phosphatase-(SHP)-2 blunts fibrotic responses through regulation of fibroblast mitochondrial metabolism and autophagy Argyris Tzouveleakis (Athens, Greece), Guoyin Yu, Farida Ahangari, Anton Bennett, Theodoros Karampitsakos, Demosthenes Bouros, Evangelos Bouros, Naftali Kaminski
PA584	Alterations in mitochondrial permeability transition pore contribute to apoptosis resistance in IPF fibroblasts. Annie Pardo Semo (Mexico City, Mexico), Erikal Rubí Luis-García, Carina Becerril, Criselda Mendoza, Mariel Maldonado, Emiliano Aparicio Trejo, Moises Selman
PA585	Human lung stiffness and viscoelasticity replicated in extracellular matrix hydrogels Roderick H.J. de Hilster (Groningen, Netherlands), Marnix R. Jonker, Wim Timens, Prashant K. Sharma, Martin C. Harmsen, Machteld N. Hylkema, Janette K. Burgess

PA586	Stiffness and viscoelasticity of human lung tissue unaltered by freeze-thawing Roderick H.J. de Hilster (Groningen, Netherlands), Marnix R. Jonker, Wim Timens, Prashant K. Sharma, Martin C. Harmsen, Janette K. Burgess, Machteld N. Hylkema
PA587	Engineering distal pulmonary epithelium from induced pluripotent stem cell (iPSC)-derived alveolar cells Sarah Gilpin (Boston, United States of America), Tong Wu, Dan Gorman, Liye Zhu, Daniele Evangelista-Leite, Marall Vedaie, Darrell Kotton, Harald Ott
PA588	Increased susceptibility to gammaherpesvirus-induced lung fibrosis of transgenic mice with conditional overexpression of the ER-stress-factor Chop in alveolar epithelium Martina Korfei (Gießen, Germany), Mohamed Smaida, Oleksiy Klymenko, Clemens Ruppert, Ingrid Henneke, Irina Shalashova, Martin Huehn, Poornima Mahavadi, Susanne Herold, Werner Seeger, Heiko Adler, Andreas Guenther
PA589	Preclinical data using a novel porcupine inhibitor demonstrates that inhibition of porcupine is a promising target for the treatment of Idiopathic Pulmonary Fibrosis. Peter Bunyard (Alderley Edge, United Kingdom), Inder Bhamra, Kay Eckersley, Claire Chaplin, Nicolas Guisot, Cliff Jones, Caroline Phillips, Richard Armer
PA590	In vitro modelling of epithelia-fibroblast interactions in idiopathic pulmonary fibrosis James Garnett (Biberach an der Riss, Germany), Huy Le, Victoria Schroeder, Jennifer Schütt, Johannes Wirth, Alexandre Campos, Jun Li, Matthew Thomas, Franziska Herrmann
PA591	TGFβ1 induces collagen deposition and increased tissue stiffness in sarcoidosis fibroblasts grown in a novel, long term, 3D culture system. Mark Ward (BRAY, Ireland), David Smart, James Roberts, Phillip Monk, John Andrew Baugh, Mark Glynn Jones, Donna E. Davies, Katherine M. A. O'Reilly
PA592	Anti-fibrotic drugs differently affect inflammatory and redox status in bronchial epithelial cells from Idiopathic Pulmonary Fibrosis patients Agnes W. Boots (Maastricht, Netherlands), Carmen Veith, Michael Kreuter, Marc Schneider, Michael Meister, Frederik-Jan Van Schooten, Nicolas Kahn
PA593	PAR-2 antagonist inhibits bleomycin-induced lung fibrosis. Tomoko Suzuki (Aiduwakamatsu, Japan), Xintao Wang, Takefumi Nikaïdo, Yoshinori Tanino, Miwako Saitou, Mitsuru Munakata, Yoko Shibata, Katsunao Niitsuma
PA594	Inhibition of the Arp2/3 complex inhibits lung myofibroblast differentiation in vitro and attenuates bleomycin-induced pulmonary fibrosis in mice Laurent Plantier (Tours Cedex 9, France), Coralie Mergault, Fanny Lisée, Victor Tiroille, Nathalie Heuzé-Vourc'H, Christelle Parent, Damien Sizaret, Sylvain Marchand-Adam
PA595	PGAM5 acts as a key mediator of lung fibrosis by disrupting mitochondrial homeostasis Ingo Ganzleben (Erlangen, Germany), Gui-Wei He, Claudia Günther, Elena-Sophie Prigge, Karsten Richter, Ralf J. Rieker, Dimitrios Mougiakakos, Markus F. Neurath, Christoph Becker
PA596	Alveolar epithelial wound repair is delayed by senescent lung fibroblasts in IPF Kaj E.C Blokland (Haren, Gm, Netherlands), Kaj Blokland, David Waters, Michael Schuliga, Simon Pouwels, Chris Grainge, Steven Mutsaers, Cecilia Prêle, Glenn Westall, Jade Jaffar, Darryl Knight, Janette Burgess
PA597	The Transcriptome of BAL Cells at Acute Exacerbation of IPF reveals New Insights. Antje Prasse (Hannover, Germany), Alfonso Carleo, David Deluca, Elena Bargagli, Wim Wuyts, Naftali Kaminski
PA598	Precision cut lung slices from bleomycin challenged mice – ex vivo model for testing novel therapies for lung fibrosis Matea Cedilak (Zagreb, Croatia), Mihailo Banjanac, Daniela Belamarić, Ivan Faraho, Ines Glojnaric, Vesna Eraković Haber, Martina Bosnar
PA599	CHARACTERIZATION OF ACELLULAR LUNG SCAFFOLDS DERIVED FROM EQUINE ASTHMA MODEL Renata Palma (São Paulo (SP), Brazil), Andressa Cereta, Leticia Guimaraes, Adriana Raquel De Almeida Da Anunciação, Ana Lidia Delgado, Juliana Conceição Da Silva Paulino, Luis Vicente Oliveira, Maria Angelica Miglino

RETIRO

Session 92

10:45 - 12:45

Poster discussion: Highlights in lung function and chronic cough

Disease(s) : **Airway diseases** **Sleep and breathing disorders**

Method(s) : General respiratory patient care Pulmonary function testing Endoscopy and interventional pulmonology Palliative care Epidemiology

Chairs : Eric D. Bateman (Cape Town, South Africa), Stefan-Marian Frent (Arad (Arad), Romania)

PA600	Late Breaking Abstract - The neurokinin-1 receptor antagonist orvepitant improves chronic cough symptoms: results from a Phase 2b trial Steve Pawsey (Stevenage, United Kingdom), Jaclyn Smith, Elizabeth Ballantyne, Mary Kerr, Lorcan Mcgarvey, Alyn Morice, Mandel Sher, Michael Trower, Stephen Pawsey
PA601	Feasibility and safety evaluation of Simeox airway clearance technique (ACT) in patients with bronchiectasis Vítězslav Kolek (Olomouc, Czech Republic), Petr Jakubec , Jana Doleželová, Laurent Morin, Jiří Kufa
PA603	A proposal for new reference values and predictive equations in a Caucasian male athlete's population Biljana Lazovic (Beograd, Republic of Serbia), Rade Milic, Vladimir Zugic
PA604	The loophole of hyperventilation provocation test curves. Nathalie Pauwen (Bruxelles, Belgium), Guillaume Alexis, Faoro Vitalie, Françoise Boucharessas, Gaël Deboeck, Thierry Colot, Roger Sergysels, Vincent Ninane
PA605	Patients with palliative needs in an acute respiratory setting Borja Ortiz De Urbina Antia (Bilbao, Spain), Eva Taberero Huguet, Beatriz Gonzalez, Lorea Martinez Indart, Elena Garay, Joseba Andia, Milagros Iriberrí
PA606	Correlations between peritoneal fat, mid-thigh fat and mid-thigh muscles in chronic respiratory patients Laura Ciobanu (Iasi (Iasi), Romania), Vasile Maciuc, Razvan Mihail Rusu-Radu
PA607	Gender differences in the overweight or obesity effect on the lung function in healthy elderly subjects Pablo Mariscal Aguilar (Madrid, Spain), Elisabet Martínez Cerón, Ester Zamarrón De Lucas, Ana Jaureguizar Oriol, Candela Martínez, José Andrés Tenes Mayen, Cristina Plaza Moreno, Francisco García Río
PA608	Prevalence and characteristics of chronic cough in a general population study Hazim Abozid (Wien, Austria), Sylvia Hartl, Robab Breyer-Kohansal, Marie-Kathrin Breyer, Alina Ofenheimer, Andrea Schrott, Otto- Chris Burghuber
PA609	Presence of bronchopulmonary shunting is an independent risk factor for recurrence of hemoptysis following bronchial artery embolization in younger patients with bronchiectasis: a long-term outcome Chujie Zhang (Chengdu, China), Faming Jiang, Fengming Luo
PA610	Aspiration in children with trisomy 21 Christopher Edwards (Leeds (West Yorkshire), United Kingdom), Yasmine Kamal, Gillian Robinson
PA611	Bronchoscopy in chronic cough; a real life review of practices Bashar Al-Sheklly (Manchester (Greater Manchester), United Kingdom), Sarah Hennessey, Huda Badri, Saif Khalid, Ashely Woodcock, Jaclyn. A Smith, Paul A. Marsden
PA612	Characterization of chronic cough patients participating in a phase 2b clinical trial of gefapixant, a P2X3 receptor antagonist Lorcan McGarvey (Belfast, United Kingdom), Jaclyn Smith, Surinder Birring, Alyn Morice, Mandel Sher, Wen-Chi Wu, David Muccino
PA613	Baseline patient burden in chronic cough from a Phase 2b clinical trial of gefapixant, a P2X3 receptor antagonist Surinder S. Birring (London, United Kingdom), Lorcan Mcgarvey, Jaclyn Smith, Alyn Morice, Mandel Sher, Wen-Chi Wu, Zhi Jin Xu, Allison M. Nguyen, Jonathan Schelfhout, David Muccino
PA614	Relationship between health-related quality of life and objective cough frequency in a phase 2b trial of gefapixant Surinder S. Birring (London, United Kingdom), David Muccino, Elizabeth Bacci , Margaret Vernon, Jonathan Schelfhout, Allison M. Nguyen
PA615	The Rocket Pleural Vent in Pneumothorax Matthew Knight (Gerrards Cross (Buckinghamshire), United Kingdom), Patricia Yunger, Zhe Wu, Andrew Barlow
PA616	Lung clearance index helps to detect abnormal lung function in children with Primary Ciliary Dyskinesia (PCD) Svetlana Diakova (Moscow, Russian Federation), Anna Bogorad, Irina Zorina, Petr Zacharov, Nikolai Syroezhin , Yuriy Mizernitskiy

No Room

Session

12:00 - 14:30

Game Zone: GAME ZONE - SESSION 2

12:00	Bronchoscopy Haizea Alvarez Martinez (Getxo (Vizcaya), Spain)
12:00	Chest drain placement Duneesha De Fonseka (Sheffield, United Kingdom)

- 12:00 Cryobiopsy**
Juan A. Cascón Hernández (Salamanca, Spain)
-
- 12:00 Endobronchial valve placement**
Fausto Leoncini (Montespertoli (FI), Italy)
-
- 12:00 Inspiratory muscle training**
Kevin De Soomer (Burcht, Belgium)
-
- 12:00 Rigid bronchoscopy**
Wouter H. van Geffen (Leeuwarden, Netherlands)
-
- 12:00 Spirometry**
Elise M.A. Slob (Amsterdam, Netherlands)
-
- 12:00 Thoracic ultrasound**
Pieter-Paul W. Hekking (Amsterdam, Netherlands)
-
- 12:00 Tracheal intubation**
Siva Yuvarajan (PONDICHERRY (Tamil Nadu), India)

TP-01

Session 97

12:50 - 14:40

Thematic poster: Clinical problems

Disease(s) : Respiratory critical care Thoracic oncology Interstitial lung diseases Airway diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Respiratory intensive care Endoscopy and interventional pulmonology Physiology Epidemiology Cell and molecular biology Public health Pulmonary function testing Imaging Palliative care

Chairs : Andreas Rembert Koczulla (Marburg, Germany), Deepak Muthreja (Nagpur (Maharashtra), India), Ahmed Ben Saad (Monastir, Tunisia)

- PA625 Diagnostic value of C-reactive protein in exudative pleural effusions**
Yana Kogan (HAIFA, Israel), Edmond Sabo, Majed Odeh
-
- PA626 Diagnostic value of C-reactive protein in discrimination between complicated and uncomplicated parapneumonic effusion**
Yana Kogan (HAIFA, Israel), Edmond Sabo, Majed Odeh
-
- PA627 The impact of a consultant led inreach service on patient transfer to respiratory wards: A Quality Improvement Project**
Sajeev Ranmuthu (London, United Kingdom), Cheuk Fung, Jimstan Periselneris
-
- PA628 Endothelial dysfunction as a predictor of hypercoagulable disorders in patients with COPD**
Elnorahon Abduganieva (Москва, Russian Federation), Natalya Gafner
-
- PA629 Use of intrapleural streptokinase and alteplase vs CTT alone in the resolution of loculated pleural effusion among adult patients**
Kristel Kara Chua (Mandaluyong City, Philippines), Guinevere Dy-Agra
-
- PA630 Factors associated with recurrence of severe exacerbations in Non-cystic fibrosis bronchiectasis in developing countries.**
Fatma Chermiti Ben Abdallah (Tunis, Tunisia), Imen Bachouch, Nidhal Belloumi, Azza Slim, Sonia Jrad, Amir Taboubi, Soraya Fenniche
-
- PA631 Investigation of Obstructive Sleep Apnea in Adult Non-Cystic Fibrosis Bronchiectasis Patients**
Sermin Borekci (Istanbul, Turkey), Yonca Hacoğlu, Benan Musellim
-
- PA632 Review of Influenza A and B positive patients in a University Hospital: Impact of chronic lung diseases and age on length of hospital stay, readmission and mortality.**
Sannaan Irshad (Derby (Derbyshire), United Kingdom), Qaiser Abdullah, Muhammad Bilal Khan Niazi, Hnin Haymar, Imran Hussain, Naveed Mustafa, Helen Stone
-
- PA633 EVOLUTION OF PATIENTS WITH BRONCHIOLITIS OBLITERANS SYNDROME (BOS) SECONDARY TO ALLOGENIC HAEMATOPOIETIC STEM CELL TRANSPLANT (HSCT)**
Adrian Martinez Vergara (madrid, Spain), María Churruca Arróspide, Patricia López Pereira, Elena Sola Aparicio, Rosa María Girón Moreno, Beatriz Aguado Bueno, Beatriz Aldave Orzaiz, Ana Sánchez Azofra, Joan Soriano Ortiz, Julio Ancochea Bermúdez
-
- PA634 Is tracheal diameter responsible for dyspnoea in supine in chronic respiratory patients?**
Laura Ciobanu (Iasi (Iasi), Romania), Vasile Maciuc, Andreea Obreja

- PA635 Predictive factors of chronic respiratory failure in bronchiectasis**
Ahmed Ben Saad (Monastir, Tunisia), Nesrine Fahem, Asma Migaou, Saousen Cheikh Mhamed, Samah Joobeur, Naceur Rouatbi
- PA636 Prognostic Factor of Airflow Obstruction and bronchodilator therapy in Patients with Bronchiectasis**
Young Min Lee (Busan, Republic of Korea)
- PA637 An integrated approach to improving the safe use and prescription of oxygen.**
David Tarpey (Liverpool (Merseyside), United Kingdom), Charmaine Amin, Suzanne Smith, Anna Taylor, Ryan Robinson
- PA638 FeNO level decreases with frequent use of cleaning products at home**
Mario Olivieri (Verona (VR), Italy), Pierpaolo Marchetti, Lorena Torroni, Nicola Murgia, Jan-Paul Zock, Giuseppe Verlato
- PA639 Late Breaking Abstract - Paediatric long-term home ventilation: should we rethink social inclusion for these children?**
Francesca Benedetti (Trento, Italy), Caterina Agosto, Antuan Divisic, Francesca Rusalen, Nicoletta Moro, Monica Pellizzon, Martina Ometto, Enrica Grigolon, Pierina Lazzarin, Franca Benini
- PA640 Late Breaking Abstract - Chronic cough is associated with depressive mood in general population and COPD; Analysis of data from Korean National Health and Nutrition Examination Survey from 2014 and 2016**
Ho Cheol Kim (Changwon, Republic of Korea), Ju-Young Kim, Tae Hoon Kim Kim

TP-02

Session 98

12:50 - 14:40

Thematic poster: Pulmonary rehabilitation for obstructive lung diseases

Disease(s) : **Airway diseases**Method(s) : General respiratory patient care Pulmonary rehabilitation Public health Pulmonary function testing Transplantation
Epidemiology Physiology

Chairs : Patricia Duarte Freitas (São Paulo (SP), Brazil), Wim Janssens (Leuven, Belgium), Christian Osadnik (Melbourne, Australia), Tobias Boeselt (Marburg, Germany)

- PA641 Cognitive function improvements following three-week pulmonary rehabilitation program in COPD lung-transplant recipients**
Vasileios Andrianopoulos (Athens, Greece), Rainer Gloeckl, Martina Boensch, Katharina Hoster, Tessa Schneeberger, Inga Jarosch, Rembert A. Koczulla, Klaus Kenn
- PA642 Correlation between clinically measured and wrist accelerometer derived 6 Minute Walk Distance (6MWD)**
Denitza Blagev (Salt Lake City, United States of America), Daniel Bride, Daniel Mendoza, Benjamin Horne
- PA643 Does self-management ability improve after pulmonary rehabilitation for chronic obstructive pulmonary disease?**
Steffi Janssen (Leiden, Netherlands), Thea Vliet Vlieland, Gerard Volker, Jannie Abbink
- PA644 Group-Based social identity intervention during pulmonary rehabilitation improves COPD patients experience with exercise programmes**
Samantha Pilsworth (Liverpool (Merseyside), United Kingdom), Samantha Pilsworth, Adrian Mcgonigle, Lyndsey Wigelsworth, Linda Jones, Max Bettany, Andrew Midgely, Andrew Livey, Dennis Wat, Bashir Matata
- PA645 How can we increase Pulmonary Rehabilitation (PR) uptake and outcomes in COPD patients?**
Michael Apps (Brentwood, United Kingdom), Kelly Ann Keeling, Carole Goodrich, Honoria Olympio-Anang, Irene Young, Anna Kopaxz, Nicola Fabbri, Tracy Gisby, Jan Minter, Kiran Sanger, Louise Champion
- PA647 Clinical research of Chen-style Taijiquan precision lung rehabilitation in patients with COPD**
Mao Min (Wuxi (Jiangsu), China), Zhu Dan, Li Ju-Hai
- PA648 Is exercise safe in COPD with co-existing hypertension?**
Watjanarat Panwong (Khon Kaen, Thailand), Chulee Ubolsakka-Jones, Chattarin Wongsawat, Pornanan Domthong, David Arthur Jones
- PA649 Improvement of inspiratory muscle strength as an effect of complex pulmonary rehabilitation in patient with COPD.**
Janos Tamas Varga (Budapest, Hungary), Beatrix Bayer, Maria Kerti, Krisztina Kelemen
- PA650 The Effectiveness of Interval Training with BIPAP Ventilation in Patients with severe COPD**
Janos Tamas Varga (Budapest, Hungary), Maria Kerti, Beatrix Bayer
- PA651 Prediction of muscle weakness in COPD: results from modelling using the ERICA cohort**
Necdet B Gunsoy (London, United Kingdom), Maggie Tabberer, Qin Shen, Victoria Benson, Charlotte Bolton, William Macnee, John Cockcroft, Ian Wilkinson, Michael Polkey, Ruth Tal-Singer, Divya Mohan

PA652	Pulmonary rehabilitation (PR) in adults with COPD and Heart Failure (HF); data from the UK 2015 National COPD:PR Audit Amy Jones (Derby (Derbyshire), United Kingdom), Lauren Sherar, Dale Eslinger, Michael Steiner, Rachael Evans, Sally Singh
PA653	Patient and public involvement and application of the Behaviour Change Wheel to promote physical activity following pulmonary rehabilitation in COPD: an intervention development study Hayley Robinson (Lincoln (Lincolnshire), United Kingdom), Elizabeth Hill, Jenna Peel, Artur Direito, Arwel Wyn Jones
PA654	Balance training in chronic respiratory patients Marcos Oliveira (Aguada de Cima, Portugal), João Costa, Rebeca Natal, Sofia Ferreira, Margarida Maurício, Luís Vaz Rodrigues
PA655	THE NEW OPPORTUNITIES OF THE PERSONALISED PULMONARY REHABILITATION PROGRAMS IN MANAGEMENT OF COPD PATIENTS: TARGETS AND GOALS Lyudmyla Konopkina (Dnipropetrovsk, Ukraine), Larisa Botvinkova, Olena Myronenko, Alina Babenko
PA656	Predicting change in physical activity for individuals with COPD following lifestyle interventions TAREQ ALOTAIBI (LBORO, United Kingdom), Mark Orme, Claire Nolan, Tom Ward, Emma Chaplin, Elizabeth Horton, Theresa Harvey-Dunstan, William Man, David Stensel, Sally Singh
PA657	PULMONARY REHABILITATION EFFECT ON SYSTEMIC INFLAMMATION VALUES, APOB48, LIPIDEMIA AND CARDIOVASCULAR RISK IN PATIENTS WITH COPD Esperanza Salcedo Lobera (Málaga, Spain), Ana Munoz Montiel, Pedro Ruiz-Esteban, José Rioja Villodres, María Jesús Prunera Pardell, Miguel Ángel Sanchez Chaparro, Natalia García Casares, Pedro Valdivielso Felices, Adolfo Doménech Del Río
PA658	Influence of physiotherapy on skin microcirculation in patient with COPD Henryk Racheniuk, Sebastian Rutkowski, Łukasz Oleksy, Anna Rutkowska, Jan Szczegielniak
PA659	Home-based pulmonary rehabilitation and follow-up strategies in COPD patients: a systematic review Duarte Pinto (Porto, Portugal), Soraia Pereira, Paulo Machado, Miguel Padilha, Paulino Sousa
PA660	Effect of a low-cost home rehabilitation program based on functional activities for COPD patients: a pilot study Marcela Maria Carvalho da Silva (São Carlos, Brazil), Juliano Ferreira Arcuri, Nathalia Maria De Souza, Lucas Alves Cassiano De Oliveira, Francisco José Barbosa Zórrer Franco, Lívia Cristina França Gibertoni, Fabiola Paula Galhardo Rizzatti, Valéria Amorim Pires Di Lorenzo

TP-03

Session 99

12:50 - 14:40

Thematic poster: Pulmonary rehabilitation for non-obstructive lung diseases

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#)

Method(s) : Pulmonary rehabilitation General respiratory patient care Pulmonary function testing

Chairs : Lowie G.W. Vanfleteren (Gothenburg, Sweden), Michael Steiner (Leicester (Leicestershire), United Kingdom), Sami O. Simons (Apeldoorn, Netherlands), Charlotte Bolton (Nottingham (Nottinghamshire), United Kingdom)

PA661	Short-term comparative and follow-up study of two high frequency chest wall oscillation techniques in patients with bronchiectasis : a preliminary study Antonello Nicolini (Sestri Levante (GE), Italy), Bruna Grecchi
PA662	Safety and Efficacy of High-Intensity Aerobic Exercise and Strength Training in Interstitial Lung Disease (ILD) Patients Noah Greenspan (New York, United States of America), Aastha Joshi, Wai Chin, Marion Mackles, Akua Adu-Labi, Patricia Rocco, Mark Mangus, Marcella Debidda
PA663	The effect of pulmonary rehabilitation (PR) on anxiety and depression symptoms in bronchiectasis: a propensity-matched study Stephanie C Wynne (Middlesex, United Kingdom), Suhani Patel, Ruth E. Barker, Sarah E. Jones, Jessica A. Walsh, Samantha S-C. Kon, Julius Cairn, Michael R. Loebinger, Robert Wilson, William D-C. Man, Claire M. Nolan
PA664	Treadmill training program impact in children with chronic respiratory diseases and mechanical ventilation over the six minutes walk test Gregory Villarroel Silva (Santiago, Chile), Macarena Faundez, Yorschua Jalil, Gonzalo Moscoso, Carolina Muñoz, Claudia Astudillo, Mireya Mendez
PA665	Incentive spirometry and pursed lips breathing on breathlessness symptom, lung function, and quality of life in sequelae pulmonary tuberculosis Jatu Aphridasari (Surakarta (Central Java), Indonesia), Elizabeth Widya Sondakh, Ana Rima Setijadi, Yusup Subagio Sutanto

PA666	Comprehensive pulmonary rehabilitation in patients with bronchiolitis obliterans syndrome: A case series Hyo-Jung Kim (Busan, Republic of Korea), Hee Eun Choi, Ji Heoung Lee
PA667	Significance of low cost pulmonary rehabilitation programme in post-pulmonary tubercular sequelae in patients of low socio-economic marginalized communities in India: Microbiological cure is the beginning and not the end of their illness. Sonal Saini (Panchkula (Haryana), India), Dps Sudan, Avinash Jain
PA668	Comparison of pulmonary rehabilitation outcomes for different conditions and disease severities Callum Masey (Somerset (England), United Kingdom), Kerrie Hansell, Philip Mitchelmore
PA669	Pulmonary rehabilitation in interstitial lung diseases compared with chronic obstructive pulmonary disease Rebeca Martins Natal (Guarda, Portugal), João Fernandes Costa, Sofia Ferreira, Angela Albuquerque, Margarida Mauricio, Luís Vaz Rodrigues
PA670	Pulmonary rehabilitation for patient with intersitital lung disease Laura Bygrave (Letchworth, United Kingdom), Katie Chong
PA671	Evaluation of oxygen saturation and heart rate in exercise program with Idiopathic Pulmonary Fibrosis patients. Fernanda Mexas Mello (Rio de Janeiro, Brazil), Yves De Souza, Diego Condesso, Bianca Figueira, Denise Anjos, Lucas Laino, Joseane Macedo, Cláudia Costa, Rogério Rufino, Kenia Maynard Da Silva
PA672	Portable CPAP benefits on exercise capacity in patients with excessive dynamic airway collapse (EDAC) Léa Razakamanantsoa (Rouen, France), Bachar Chahine, Laurène Goument, Camille Germain, Julien Maris, Julien Pierchon, Tristan Bonnevie, Francis-Edouard Gravier, Zouhaier Gharsallaoui, Antoine Cuvelier, Maxime Patout
PA674	Pulmonary rehabilitation in pneumoconiosis: a propensity matched analysis Hoi Yee Kwan (Kowloon, Hong Kong), Cherry W-L Lau, Sau Yin Fong, Sai On Ling, Yik Ning Poon, Anthony P-Y Yau, Chie Wai Yim, Thomas Y-W Mok
PA675	Value of community based Pulmonary Rehabilitation (PR) for patients with Interstitial Lung Disease (ILD): A retrospective review suraj rajput (ebbsfleet (Kent), United Kingdom), Sandip Banerjee
PA676	A Comparison of Pulmonary Rehabilitation Outcomes in Interstitial Lung Disease and Chronic Obstructive Pulmonary Disease Christopher Huntley (Kingswinford (West Midlands), United Kingdom), Ahmed Fahim, James Owen, Paren Chohan
PA677	Clinical Correlates of Physical Activity in Idiopathic Pulmonary Fibrosis (IPF) Suhani Patel (London, United Kingdom), Mark Orme, Claire M Nolan, Ruth E Barker, Sarah E Jones, Stephanie C Wynne, Jessica A Walsh, Peter M George, Toby M Maher, Sally J Singh, William D-C Man
PA678	Short and long-term effects of pulmonary rehabilitation in Idiopathic Pulmonary Fibrosis: The evidence of benefits of exercise training. Maurizia Lanza (Lusciano (CE), Italy), Ilernando Meoli, Rosa Cauteruccio, Francesco Stefanelli, Angela Di Giorgio, Anna Annunziata, Giuseppe Fiorentino
PA679	Effects of a 6-months comprehensive pulmonary rehabilitation program (CPRP) in patients with diffuse interstitial lung diseases (ILD) Delphine Nguyen Dang (Liège, Belgium), Julien Guiot, Cedric Graas, Hélène Van Cauwenberge, Jean-Louis Corhay, Renaud Louis
PA680	Effectiveness of a low intensity exercise program during pulmonary rehabilitation in patients with ILD. Katerina Markopoulou (Thessaloniki, Greece), Konstantina Dipla, Afroditi Boutou, Stavros Papadopoulos, Stella Kritikou, Anastasia Chatzicosti, Aikaterini Kousta, Georgia Kounti, Christina Rampiadou, Georgia Pitsiou, Ioannis Stanopoulos, Andreas Zafeiridis

TP-04

Session 100

12:50 - 14:40

Thematic poster: Hot topics in assessment and care for chronic lung diseases

Disease(s) : **Airway diseases** **Sleep and breathing disorders** **Interstitial lung diseases**

Method(s) : Pulmonary rehabilitation General respiratory patient care Public health Pulmonary function testing Respiratory intensive care Palliative care

Chairs : Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Martijn A. Spruit (Horn, Netherlands), Guido Vaghegginì (Volterra (PI), Italy), Rein Posthuma (Maastricht, Netherlands)

PA681 **Assessment of patients' self-management after pulmonary rehabilitation using the COPD Helplessness test.**
Bertrand Herer (Briis Sous Forges, France), Nathalie Commaille, Isabelle Tondeur, Eva Germain

PA682	Does completion of a pulmonary rehabilitation programme improve Patient Activation Scores? David Barber (Warrington , United Kingdom), Sam Pilsworth, Freddy Frost, Dennis Wat, Sarah Sibley
PA683	Physical activity (PA) and exercise participation during pulmonary rehabilitation (PR) Sarah Ward (Leicester, United Kingdom), Mark Orme, Sally Singh
PA684	Missing a signal in exercise outcomes—is ventilatory limitation a factor in COPD? Sarah Edwards (Leicester (Leicestershire), United Kingdom), Theresa Harvey-Dunstan, Ruth Tal-Singer, Matthew Allinder, Michael Polkey, Matthew Richardson, Michael Steiner, Michael Morgan, Sally Singh
PA685	The importance of Bioelectrical impedance analysis (BIA) in pulmonary rehabilitation program (PRP) Tajana Jalušić Glunčić (Zagreb, Croatia), Latinka Basara, Marija Bajutti, Josipa Rošin Grget, Marija Zubec, Martina Čubić, Miroslav Samaržija
PA686	Is confidence to perform an Incremental Shuttle Walk Test (ISWT), walk at home, and manage breathlessness influenced by performing an ISWT? Sally J. Singh (Leicester (Leicestershire), United Kingdom), Amy Stenson, Pratiksha Kanabar, Linzy Houchen-Wolloff
PA687	Relationship between cognitive function and proper inhaler device use in elderly patients. Yusuke Iwata (sapporo, Japan), Saki Kakuta, Satoshi Osawa, Yukari Fujimoto, Yutarou Oki, Youji Yamada, Kanji Yamada, Takumi Yamaguti, Ken Umehara, Kazumo Miura, Shigefumi Murakami, Akio Yamamoto, Kaku Sawada, Hiroshi Natori, Akira Ishikawa
PA688	The difference of lung mechanics and chest kinematics in pulmonary rehabilitation of interstitial lung diseases versus idiopathic pulmonary fibrosis Mária Kerti (Budapest, Hungary), Beatrix Bayer, Krisztina Kelemen, Janos Tamas Varga
PA689	Nutritional Supplementation during Pulmonary Rehabilitation in Stable Chronic Obstructive Pulmonary Disease: A Systematic Review Abdullah M Aldhahir (LONDON, United Kingdom), Am Al Rajah, Yousef S Aldabayan, Jaber S Alqahtani, Salifu Drammeh, John R Hurst, Swapna Mandal
PA690	Research priorities in chronic breathlessness: international expert consensus Sara Abdallah (Montréal (QC), Canada), Hayley Lewthwaite, Marie T Williams, Dina Brooks, Dennis Jensen, Kylie N Johnston
PA691	Perspective of pulmonary rehabilitation centers in Latin America. José Roberto De Brito Jardim (São Paulo (SP), Brazil), Gabriela Zanussi Barreto, Luciana Chiavegato, Mariana Gazzotti, Oliver Augusto Nascimento
PA692	Reproducibility of standardized activities of daily living in patients with chronic obstructive pulmonary disease (COPD): an cross-sectional study Ana Carolina Pinto (São Paulo, Brazil), Ana Carolina Pinto, Gabriela Gomes, Sheila Zacharias, Gleice Moussalem, Ivan Teruaki Ivanaga, Oliver Nascimento, José Roberto Jardim, Mariana Gazzotti
PA693	The RECHARGE database: Towards a global standard for pulmonary rehabilitation (PR) Mark Orme (Leicester (Leicestershire), United Kingdom), Robert C Free, Michael Steiner, Azamat Akyzbekov, Andy Barton, Nikki Gardiner, Theresa Harvey-Dunstan, Rupert Jones, Wincey Katagira, Bruce Kirenga, Jesse Matheson, Ruhme Miah, Olivia Revitt, Shruti Sahasrabudhe, Sundeep Salvi, Anthony Seneviratne, Talant Sooronbaev, Sarah Ward, Savi Wimalasekera, Sally Singh
PA694	Changes in health condition of COPD patients measured by the COPD Assessment Test (CAT), during a supervised pulmonary rehabilitation program (SPRP) in 5 centers in Colombia. Alejandro Casas Herrera (Bogotá, Colombia), Rafael Acero Colmenares, Dario Londoño, Luisa Fernanda Guell, Marcia Chavarriaga
PA695	Quality of life in COPD patients with sarcopenia. Angelina Suleymanova (Moscow, Russian Federation), Irina Baranova, Olga Brodskaya, Alexandra Ball, Elizaveta Sidenko, Tatiana Bezzubova, Natalia Khodykina, Rodion Skvorcov
PA696	Accessibility and effects of pulmonary rehabilitation in patient' survey Liliya Belenko Gentet (Drucourt, France), Marie-Agnès Wiss-Laurent, Jean-Paul Vasseur, Marie Henriot, Ingrid Rigaux
PA697	Efficacy of German Disease Management Program Asthma and COPD - a cross sectional evaluation Frank Kanniess (Reinfeld (Holstein), Germany), Christian Ruckes, Nicole Regenfuss, Tanja Schmidt
PA698	Explaining chronic breathlessness: international expert consensus Hayley Lewthwaite (Montreal (QC), Canada), Marie T Williams , Dina Brooks, Sara J Abdallah, Dennis Jensen, Kylie N Johnston

PA699 **Forty years of Home mechanical ventilation in children.**
Laura Verweij- van den Oudenrijn (Utrecht, Netherlands), Michael Gaytant, Esther Veldhoen

PA700 **Relationship between respiratory muscle strength and gait asymmetry in stroke patients**
Yoshino Terui (Daisenssi, Japan), Eriko Sutoh, Satomi Iwasawa, Kazuto Kikuchi, Yutaka Furukawa, Koichi Hasegawa, Sachiko Uemura, Masahiro Satake, Takanobu Shioya

TP-05 **Session 101** **12:50 - 14:40**

Thematic poster: Epidemiology of airway diseases in primary care

Disease(s) : **Airway diseases** **Sleep and breathing disorders**

Method(s) : Pulmonary function testing Epidemiology Public health General respiratory patient care

Chairs : Niels H. Chavannes (Leiden, Netherlands), António Jaime Correia De Sousa (Porto, Portugal), Luke Daines (Edinburgh (Edinburgh), United Kingdom), Elizabeth Azzi (Sydney (NSW), Australia)

PA701 **Development of spirometry predictive values for Western Indian population (NIHR-RESPIRE Study)**
Dhiraj Agarwal (Pune (Maharashtra), India), Richard Parker, Sudipto Roy, Hilary Pinnock, Deesha Ghorpade, Sundeep Salvi, Parag Khatavkar, Sanjay Juvekar

PA702 **Incidence and risk factors of frequent asthma exacerbations in a multinational, multidatabase cohort study**
Esmé J. Baan (Rotterdam, Netherlands), Maria De Ridder, Marjolein Engelkes, Elisabeth Svensson, Daniel Prieto-Alhambra, Francesco Lapi, Carlo Giaquinto, Gino Picelli, Frank Albers, Eric Bradford, Guy G. O. Brusselle, Melissa Van Dyke, Peter Rijnbeek, Katia M. C. Verhamme

PA703 **Correlation between COPD assessment test (CAT) and mMRC dyspnea scale in evaluating COPD symptoms**
Fatma Chermiti Ben Abdallah (Tunis, Tunisia), Imen Bachouch, Nidhal Belloumi, Soraya Fenniche

PA704 **Quality of life in German GP-Patients with COPD– a longitudinal study**
Heidrun Lingner (Hannover, Germany), Carolina Judith Klett-Tammen, Alexander Kuhlmann , Torben Schmidt, Johanna Lutter, J.M. Von Der Schulenburg , Michael Kreuter , Tobias Welte

PA705 **Burden of Allergic Bronchopulmonary Aspergillosis (ABPA) in the India bronchiectasis registry.**
Raja Dhar (Kolkata (West Bengal), India), Srinivas Rajagopala, Virendra Singh, Deepak Talwar, Aditya Jindal, Honney Sawhney, Kaushik Saha, Arjun Padmanabhan, Murali Mohan, Suryakant Tripathi, Arjun Khanna, Kripesh Sarmah, Aleemuddin Naveed, Baburao Archana, Naveen Dutt, Samir Gami, Arti Shah, Girija Nair, Rajendra Prasad, Babaji Ghewade, George D' Souza, Himanshu Garg, Kummannoor Venugopal, Rajesh Swarnakar, Shubham Sharma, Priyanka Karumalai, Sheetu Singh, Deepak Prajapat, Surinder Jindal, Sawhney Mehneet, Preethi Vasudev, Sagar Chandrashekar, Ashfaq Hasan, Vipin Chaudhary, Shahid Patel, Harsh Saxena, Darshana Reddy, Nikita Jajodia, Aditi Mishra, Preetibala Vijay Kumar, Sushma Jadhav, Sapna Madas, Sneha Limaye, Shrikant Pawar, Sundeep Salvi, James Chalmers

PA706 **Difference in gender perception regarding smokeless tobacco consumption; A cross sectional survey from Karachi Pakistan**
Nousheen Iqbal (Karachi (Sindh), Pakistan), Safia Awan, Urooj Riaz, Muhammad Waqas Khan, Sohail Bana, Mariam Fazal, Muhammad Dawood Amir Sheikh, Muhammad Irfan, Javaid Khan

PA707 **Sleep quality, asthma control and quality of life in adults with asthma - A cross-sectional study**
Manoj Kumar Panigrahi (Bhubaneswar (Odisha), India), Milan Padhan, Prasanta Raghav Mohapatra

PA708 **Drugs prescribed to patients with asthma and COPD before they present to tertiary care hospitals in Trivandrum, India**
Padmanabhan Arjun (Trivandrum (Kerala), India), Sanjeev Nair

PA709 **Suboptimal asthma control among over-the-counter reliever purchasers in the community pharmacy.**
Elizabeth Azzi (Sydney (NSW), Australia), Matthew Peters, Vicky Kritikos, David Price, Pamela Srour, Biljana Cvetkovski, Sinthia Bosnic-Anticevich

PA710 **Treatable traits as predictors of SABA overuse in the community.**
Elizabeth Azzi (Sydney (NSW), Australia), Vicky Kritikos, David Price, Matthew Peters, Pamela Srour, Biljana Cvetkovski, Sinthia Bosnic-Anticevich

PA711 **Real time qualitative primary-care based study related to the validity of the diagnosis and management of patients held on COPD registers in primary care**
Ruth Thomas (Milton Keynes (Buckinghamshire), United Kingdom), Erica Haines

PA712 **Additive information from mMRC and CAT in relation to exacerbations in a Swedish COPD cohort**
Andrei Malinovski (Uppsala, Sweden), Kristina Bröms, Hans Hedenström, Christer Janson, Karin Lisspers, Björn Ställberg, Marieann Högman

- PA713** **Women with asthma and hormone replacement therapy have lower disease-specific quality of life – results from the PRAXIS-study**
Karin Lisspers (Gagnef, Sweden), Charlotte Berglund, Mikael Hasselgren, Christer Janson, Scott Montgomery, Josefin Sundh, Bjorn Stallberg
- PA714** **The VENTO study: pneumologists evaluate the practicability of German programmes for COPD patients**
Carl-Peter Criece (Bovenden, Germany), Juliane Sünwoldt, Anja Selig
- PA715** **Bronchodilator reversibility among patients with asthma presenting to tertiary care hospitals in Trivandrum, India**
Sanjeev Nair (Trivandrum (Kerala), India), Padmanabhan Arjun
- PA716** **External validation of the updated ADO score to predict mortality in COPD patients from the Birmingham COPD cohort**
Spencer Keene (Maastricht, Netherlands), Rachel Jordan, Frank De Vries, Frits Franssen, James Martin, Alice Sitch, Alice Turner, Andrew Dickens, David Fitzmaurice, Peymane Adab
- PA717** **The Dietary Fiber Intake and its Relationship of Lung Function and Inflammatory Markers in Korean Adults**
Young Ju Jung (Seoul, Republic of Korea), Se Hee Lee, Ji Ho Chang, Hye Seung Lee, Eun Hee Kang, Sei Won Lee
- PA718** **Evaluation of COPD awareness in university students**
Begum Unlu (Istanbul, Turkey), Semra Oguz, Emel Mete, Aysel Yıldız, M. Gülden Polat
- PA719** **The report of nationwide quality assessment in chronic obstructive pulmonary disease**
Kim Kyu Yean (Seoul, Republic of Korea), Choi Joon Young, Kim Jin Woo, Jung Ki Suck, Yoo Kwang Ha, Kim Bo Yeon, Ahn Sang In, Jo Yon U, Rhee Chin Kook

TP-06

Session 102

12:50 - 14:40

Thematic poster: Treatment of airway diseases in primary care

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Public health Pulmonary rehabilitation Epidemiology Pulmonary function testing Palliative care

Chairs : Bertine Flokstra - De Blok (Groningen, Netherlands), Rachel Jordan (Birmingham (West Midlands), United Kingdom), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Miguel Román Rodríguez (Palma De Mallorca, Spain)

- PA721** **Prospective multicenter observational study comparing ambulatory management of spontaneous pneumothorax versus hospital care: PNEUMOPECO study.**
Alexis Angibaud (Rennes, France), Yann Bazin, Alexandre Salé, Laurent Sohier, Cédric Gangloff, Elise Antone, Wojciech Trzepizur, Laetitia Chemery, Solène Guinard, Tiphaine Guy, Christophe Gut-Gobert, Cyril Bernier, Bertrand Delatour, Stéphane Jouneau
- PA722** **Effect of non-pharmacological interventions on treatment outcomes in COPD patients: Little changes for bigger rewards**
Mrityunjaya Singh (Jabalpur, India), Govind Narayan Srivastava, Devendra Yadav
- PA723** **Management of community-acquired pneumonia in primary care: an observational study**
Naomi Lauanders (Sevenoaks (Kent), United Kingdom), Dermot Ryan, Chris Winchester, Derek Skinner, Priyanka Konduru, David Price
- PA724** **Efficacy of the association of inspiratory muscle training with whole body vibration on respiratory muscle strength, functionality, balance and physical performance in pre-frail older women: a randomized double-blind clinical trial**
Pedro Henrique de Moura (Recife, Brazil), Helga De Souza, Máira Pessoa, Rafaela Clemente, Alanna Silva, Erika Andrade, Cyda Reinaux, Luciana Alcoforado, Juliana Barbosa, Armêle Dornelas De Andrade
- PA725** **Management of respiratory outpatients: A retrospective descriptive analysis**
Marco Mantero (Cinisello Balsamo (MI), Italy), Noemi Borsa, Fabrizio Nava, Linda Bassi, Carmen Miele, Stefano Aliberti, Francesco Blasi
- PA726** **Assessing treatment fidelity of lay health worker support to increase uptake and completion of pulmonary rehabilitation in COPD.**
Viktoria McMillan (London, United Kingdom), Gill Gilworth, Alison J Wright, Patrick T White
- PA727** **Measuring guideline adherence for the diagnosis and management of common cold and pneumonia in rural Gambia. A case for a Clinical Decision Support System in rural sub-Saharan Africa?**
Fernando Mosler (London, United Kingdom), Stefan Unger

PA728	Development and implementation of an awareness programme addressing household air pollution and tobacco smoke: a FRESH AIR project Frederik van Gemert (Harlingen, Netherlands), Evelyn Brakema, Rianne Van Der Kleij, Sian Williams, Rupert Jones, Bruce Kirenga, Shamim Buteme, Talant Sooronbaev, Aizhamal Tabyshova, Maamed Mademilov, An Pham Le, Quynh Nguyen Nhat, Corina De Jong
PA729	Efficacy of erdosteine, carbocysteine, and N-acetylcysteine in COPD: a comparative analysis Mario Cazzola (Roma (RM), Italy), Luigino Calzetta, Ermanno Puxeddu, Maria Gabriella Matera, Paola Rogliani
PA730	Smoking cessation rates in primary care before surgery: a retrospective cohort study Helene Gräsbeck (Helsinki, Finland), Heikki Ekroos, Kimmo Halonen, Tuula Vasankari
PA731	Can a secondary care respiratory nurse specialist (RNS) working in general practice impact positively on patients, health care utilisation and clinician behaviour. David Long (Taunton (Somerset), United Kingdom), Rachel Stark, Frances Chapman, Gemma Bull, Michelle Balson, Sarah Chapman
PA732	Health Care Expenses for COPD with Late Do-Not-Resuscitate (DNR) Decisions Escalate Nearly 2-Fold in Final Admission of Life Pin-Kuei Fu (Taichung, Taiwan)
PA733	Asha's (Accredited Social Health Activist) workload and perception of the role. Anand Kawade (pune, India), Pallavi Lele, Uddhavi Chavhan, Hilary Pinnock, Pam Smith
PA734	Phenotyping Post TB Obstructive airways disease (TOPD) in India Raja Dhar (Kolkata (West Bengal), India), Girija Nair, Ram Jana, Arti Shah, Alpa Dalal, Srinivas Rajagopala, Malay Sarkar, Jaymohan Unnithan, Arpan Shah, Srikanth Krishnamurthy, Praveen Shahi, Shahid Patel, Vipin Chaudhary, Prasad Patil, Priyanka Karumalai, Palak Shah, Shobana Balasubramaniam, sruthi J, Nisha Kale, Sapna Madas, Sneha Limaye, Shrikant Pawar, Sundeep Salvi

TP-07

Session 103

12:50 - 14:40

Thematic poster: M-health/e-health II

Disease(s) : **Airway diseases** **Sleep and breathing disorders**

Method(s) : General respiratory patient care Epidemiology Public health Pulmonary function testing Pulmonary rehabilitation

Chairs : Anirban Sinha (Amsterdam, Netherlands), Jamol Uzokov (Tashkent, Uzbekistan), Esther I. Metting (Groningen, Netherlands), Vitalii Poberezhets (Vinnytsia, Ukraine)

PA735	Digital Therapy in the treatment of asthma and COPD - Epidemiology of development and use of an emerging health technology in Respiratory Medicine Martijn Grinovero (London, United Kingdom), Roberta Bodini, Angelo Corsico, Maurizio Marvisi, Giuseppe Gianfranco Recchia, Salvatore D'Antonio, Adriano Vaghi
PA736	Digitalising the personalised asthma action plan (PAAP) - a multi-perspective qualitative study Uddhav Vaghela (London, United Kingdom), James Moss, Martyn Partridge, Anna De Simoni, Andrew Bush
PA737	Home-based pulmonary tele-rehabilitation: An acceptable and feasible way of rehabilitation for COPD patients? Ruben Schuinder (Zwolle, Netherlands), Jan Willem Van Den Berg
PA738	Asthma innovation landscape: The Asthma Lab pilot programme Kay Boycott (London, United Kingdom), Brigitte West, Erika J Kennington, Amira Al Madami
PA739	The home remote diagnostics of bronchial asthma in children with the using of telemedical system. Evgenii Furman (Perm (Perm Krai), Russian Federation), Sergey Malinin, Elena Rocheva, Vladimir Sokolovsky, Gregory Furman
PA740	Obstructive airway disease case finding in primary care using mobile spirometry system (National COPD Screening Program) Lukasz Koltowski (Warszawa, Poland), Katarzyna Górska, Piotr Korczyński, Rafał Krenke, Mateusz Solinski
PA741	Validation of app and telephonic versions of the Control of Allergic Rhinitis and Asthma Test (CARAT) Cristina Isabel Oliveira Jácome (Viatodos, Portugal), Rute Almeida, Ana Margarida Pereira, Pedro Vieira-Marques, Mariana Couto, Ana Todo Bom, João Pedro Azevedo, Paula Leiria Pinto, Ana Castro Neves, Nicole Pinto, Filipa Todo Bom, Alberto Costa, João Cardoso, Madalena Emiliano, Rita Gerardo, Ana Arrobas, Margarida Valério, Cláudia Chaves Loureiro, Lília Maia Santos, Carlos Lozoya, Ana Mendes, Fernando Menezes, Ricardo Gomes, José Carlos Cidrais Rodrigues, Georgeta Oiveira, Natacha Santos, Rita Câmara, Diana Bordalo, José Alberto Ferreira, Rodrigo Rodrigues Alves, Carlos Alves, Aurora Carvalho, Fernanda Teixeira, Diana Silva, Maria José Cálix, Cristina Lopes, Luís Taborda-Barata, João Almeida Fonseca

- PA742** **Virtual clinic for following up children with long term ventilation and complex respiratory needs**
Molla Imaduddin Ahmed (Leicester (Leicestershire), United Kingdom), Helen Hickey, Kay Calvert, Louise Mogford, Ben Elkington, Sarita Makam, Kamini Jain
- PA743** **Does usage of eHealth improve symptoms of COPD patients?**
Esther P.W.A. Talboom-Kamp (Breda, Netherlands), Marije S. Holstege, Marise Kasteleyn
- PA744** **Adherence in patients with COPD and heart failure using an eHealth self-management intervention.**
Mirthe Bakker (Enschede, Netherlands), Joanne Sloots, Clara Van Ommeren, Alexandra Kleberger, Monique Tabak, Tanja Effing, Gerard Linssen, Martijn Grinovero, Job Van Der Palen, Anke Lenferink
- PA745** **myAirCoach: mHealth assisted self-management in patients with uncontrolled asthma, a randomized control trial.**
Rishi Khusial (Den Haag, Netherlands), Persijn Honkoop, Omar Usmani, Marcia Soares, Martyn Biddiscombe, Sally Meah, Matteo Bonini, Antonios Lalas, Julia Koopmans, Jiska Snoeck-Stroband, Steffen Ortmann, Konstantinos Moustakas, Konstantinos Votis, Dimitrios Tzovaras, Kian Fan Chung, Stephen Fowler, Jacob Sont
- PA746** **Is poor asthma self-management due to failure to recognise symptoms or failure to act? Novel insights from mining large-scale clinical observational study**
Syed Ahmar Shah (Edinburgh, United Kingdom)
- PA747** **Are mobile device applications effective at supporting COPD self-management compared to usual care?**
Maxine Whelan (Oxford, United Kingdom), George Shaw, Laura Armitage, Andrew Farmer
- PA748** **Evaluation of a pharmacy based personal health record by elderly respiratory patients**
Esther I. Metting (Groningen, Netherlands), Anna-Jetske Baron, Niels H Chavannes, Anthony Tran, Sanne Van Luenen, Corina De Jong
- PA749** **Teleauscultation: an innovative initiative to categorize and analyse lung sounds**
József Tolnai (Szeged, Hungary), Katalin Kapus, Miklós Draskóczy, Ferenc Bari, Ferenc Peták, Zoltán Novák
- PA750** **Text mining - a tool for quality assessment of medical records**
Jemima Hegermann (St. Gallen, Switzerland), Florent Baty, Martin Brutsche

TP-08

Session 104

12:50 - 14:40

Thematic poster: Exercise testing and respiratory muscles in various diseases

Disease(s) : Respiratory critical care Sleep and breathing disorders Thoracic oncology Airway diseases Interstitial lung diseases

Method(s) : Pulmonary function testing Physiology Pulmonary rehabilitation General respiratory patient care Public health Imaging Surgery

Chairs : Christina M. Spengler (Zürich, Switzerland), Maurice Hayot (Montpellier Cedex 5, France), Beatriz Abascal Bolado (Santander (Cantabria), Spain), Sébastien Baillieul (Grenoble CEDEX 9, France)

- PA751** **Predictive value of positional change in vital capacity to identify diaphragm dysfunction**
Marilyne Brault (Montréal (QC), Canada), Claude Poirier, Bruno-Pierre Dubé
- PA752** **Comparing response, relaxation and measurement characteristics of balloon versus micro pressure transducer catheters.**
William MacAskill (Dalby (QLD), Australia), Ben Hoffman, Graham Sharpe, Michael Johnson, Dean Mills
- PA753** **Comparison the work of breathing between healthy and obese by thermodynamic analysis**
Jale Çatak (İstanbul, Turkey), Elif Develi, Serkan Bayram
- PA754** **Effects of position on thoracoabdominal asynchrony and paradoxical movement in subjects with DMD**
Vanessa Resqueti (Natal (RN), Brazil), Layana Marques, Guilherme Fregonezi, Antonio Sarmento, Ana Aline Marcelino, Rayane Vieira, Andrezza Viana, Mário Dourado-Junior, Andrea Aliverti
- PA755** **Effect of inspiratory muscle training on blood pressure with inspiratory loading**
Joshua Smith (Rochester, United States of America), Eric Bruhn, Jessica Berg, Thomas Olson
- PA756** **Multiparametric analysis of the nasal inspiratory pressure test and inspiratory muscle activity: with or without diaphragmatic control?**
Guilherme Fregonezi (Rio Grande do Norte, Brazil), Kadja Benício, Jéssica Danielle Medeiros da Fonsêca, Fernando Augusto Lavezzo Dias, Antonio Jose Sarmento, Andrea Aliverti
- PA757** **Hemodynamic effects of portable non-invasive ventilation in healthy men**
Nikolaos Chynkiamis (Newcastle upon Tyne, United Kingdom), Matthew Armstrong, James Manifold, Emily Hume, Caroline Reilly, Alasdair O'Doherty, Andrea Aliverti, Ioannis Vogiatzis

PA758	Assessment of Central Drive to the Diaphragm by Twitch Interpolation: Normal Values, Theoretical Considerations and Future Directions Jens Spiesshoefer (Münster, Germany), Carolin Henke, Simon Herkenrath, Winfried Randerath, Tobias Brix, Peter Young, Matthias Boentert
PA759	Respiratory training (RT) modifies the breathing pattern (BP) toward a more efficient one during maximal incremental exercise. Nicola Sorino (Bologna (BO), Italy), Michele Franchi, Carlotta Merlo, Federico Ballerio, Matteo Pizzolato, Annalisa Cogo
PA760	Hypoxic Challenge Testing Referral at Glasgow Royal Infirmary Ailsa Stewart (Glasgow, United Kingdom), Colin Stewart, Hannah Bayes
PA761	In vivo characteristics of respiratory neuromuscular responses with balloon catheters and skin surface EMG versus a micro transducer catheter integrated with EMG electrodes. William MacAskill (Dalby (QLD), Australia), Ben Hoffman, Graham Sharpe, Michael Johnson, Dean Mills
PA762	Influence of different postures on respiratory muscles activity during maximal voluntary ventilation in healthy adults Illia Lima (Natal (RN), Brazil), Dauane Costa, Gabriely Gonçalo Silva, Juliana Simonelly Dos Santos, Lucien Peroni Gualdi
PA763	Contractile properties and relaxation parameters of inspiratory muscle in healthy children Guilherme Fregonezi (Rio Grande do Norte, Brazil), Maria Lira, Ana Aline Marcelino, Antonio Sarmiento, Vanessa Resqueti
PA764	Modifications of aerobic performance and ventilatory responses during exercise in COPD patients undergone to lung resection Danielle Cristine Campos Bedin (São Paulo (SP), Brazil), Roberta Pulcheri, Elaine Brito, Ivan Ivanaga, Ilka Santoro, Luiz Nery, Sonia Faresin
PA765	Mechanisms of exertional dyspnea in postsurgical patients with non-small cell lung cancer Megan Harper (Kelowna, Canada), Jinelle Gelinias, John Sasso, Rachel Parker, Michael Humer, Douglass Rolf, Neil Eves
PA766	Exercise limitation in stable systemic sclerosis: insights from cardiopulmonary exercise test Giacomo Campi (Firenze (FI), Italy), Paolo Parrella, Alessio Rodolico, Riccardo Franco, Francesco Elia, Eliana De Rosa, Alessandra Cuomo, Mario Petretta, Domenico Bonaduce, Amato De Paulis, Francesca Rossi, Gabriele Tocchetti, Valentina Mercurio
PA767	Perception of intensity and unpleasantness for 10-breath inspiratory resistive loads: effect of sex, smoking and insula/amygdala lesion Paul Davenport (Gainesville, United States of America), Matthew Davenport, Justin Feinstein, Sahib Khalsa, Andreas Von Leupoldt
PA768	Influence of endurance training on respiratory system Krzysztof Kuziemski (Gdańsk, Poland), Anna Nagórka, Aleksandra Undrunas, Bartosz Gąsior, Paweł Walisiewicz, Karolina Sobotka, Adrianna Spretke, Adam Wyszomirski, Aleksandra Puch-Walczak, Łukasz Wierucki, Wojciech Sakłak, Tomasz Zdrojewski
PA769	Yoga and meditation improve quality of life in subjects with moderate-to-very severe COPD without any effect on lung function. Alpa A. Dalal (Thane (Maharashtra), India), Shweta Rasam, Nitin Vanjare, Sunil Katkar, Premji Nirmal, Vandana Das, Nisha Kale, Sapna Madas, Shruti Sahasrabudhe, Sundeep Salvi
PA770	Features of the functional state of diaphragm in patients with COPD with hypoxemia and hypercapnia Olga Titova (St. Petersburg, Russian Federation), Natalya Kuzubova, Daria Sklyarova, Vladimir Volchkov, Elizaveta Volchkova

TP-09

Session 105

12:50 - 14:40

Thematic poster: Lung function testing: from experimental investigations to clinical applications

Disease(s) : Airway diseases Pulmonary vascular diseases Interstitial lung diseases Thoracic oncology Respiratory critical care

Method(s) : General respiratory patient care Physiology Pulmonary function testing Epidemiology Cell and molecular biology Respiratory intensive care Surgery Imaging Public health Pulmonary rehabilitation

Chairs : Roberto A. Rabinovich (Edinburgh (Scotland), United Kingdom), Mathieu Marillier (Kingston, Canada), Sam Bayat (Grenoble, France), Danilo Cortozzi Berton (Porto Alegre (RS), Brazil)

PA771 **Variable ventilation patterns in a paediatric animal model of moderate ARDS**
Gergely H. Fodor (Szeged, Hungary), André Dos Santos Rocha, Roberta Sudy, Sam Bayat, Ferenc Petak, Walid Habre

PA772	Neoadjuvant chemotherapy for NSCLC, lung function and surgical therapy – which is their connection? Aleksandar Bokan (Sremska Kamenica, Republic of Serbia), Evica Budisin, Marija Vukoja, Ana Golic, Ivan Kopitovic
PA773	Complex restrictive pulmonary function pattern in connective tissue disorders (CTD) with interstitial lung disease (ILD) Javier Cristian Brea Folco (Ciudad Autónoma Buenos Aires, Argentina), Cora Gabriela Legarreta, Gabriela Karina Onofre
PA774	Decreased handgrip strength can predict lung function impairment in male workers Makiko Kanai (Kadoma, Japan), Osamu Kanai, Kohei Fujita, Tadashi Mio, Masato Ito
PA775	Evaluating respiratory mechanics by forced oscillation via laryngeal mask in rabbits Roberta Südy (Szeged, Hungary), Andre Dos Santos Rocha, Gergely H. Fodor, Walid Habre, Ferenc Peták
PA776	Differences in lung and chest wall contributions to respiratory system mechanics: comparison of mice, rats and rabbits Ferenc Peták (Szeged, Hungary), Roberta Südy, Gergely Fodor, Andre Dos Santos Rocha, József Tolnai, Álmos Schranc, Walid Habre
PA777	Breathlessness during exacerbation of chronic obstructive pulmonary disease (ECOPD) and recovery Peter Siu Pan Cho (London, United Kingdom), Hannah Victoria Fletcher, Irem S Patel, Gerrard F Rafferty, John Moxham, Richard Douglas Turner, Surinder S Birring, Caroline J Jolley
PA778	Benefits of physiological variable ventilation during asthma exacerbations: a randomised experimental study Andre dos Santos Rocha (Genève, Switzerland), Roberta Südy, Sam Bayat, Gergely H Fodor, Ferenc Peták, Walid Habre
PA779	Lung volume comparisons between spirometry and computed tomography in SPIROMICS Mehrdad Arjomandi (San Francisco, United States of America), Siyang Zeng, Igor Barjaktarevic, R Graham Barr, Eugene R Bleecker, Russell P Bowler, Russell G Buhr, Gerard J Criner, Alejandro P Comellas, Christopher B Cooper, David J Couper, Jeffrey L Curtis, Mark T Dransfield, Meilan K Han, Nadia N Hansel, Eric A Hoffman, Robert J Kaner, Richard E Kanner, Jerry A Krishnan, Robert Paine, Stephen P Peters, Stephen I Rennard, Prescott G Woodruff
PA780	The validity of physician-diagnosed asthma Orla O'Carroll (Dublin 4, Ireland), Aisling Mcgowan, Ciara Gough, Waheed Shah, Conor Burke
PA781	Are normal lung sounds on auscultation associated with FEV1 and FVC volume changes in Asthma, Chronic Obstructive Pulmonary Disease (COPD) and Interstitial lung disease (ILD)? Sushmeeta Chhowala (Mumbai (Maharashtra), India), Neerja Shastri, Sushma Jadhav, Vandana Vincent, Rahul Kodgule, Richard Fletcher, Daniel Chamberlain, Yogesh Thorat, Sundeep Salvi
PA782	Asthma association with metabolic syndrome and obesity: relevance of ultrasound evaluation of visceral fat and posture Liudmyla Petrenko (Kyiv, Ukraine), Rostyslav Bubnov
PA783	Non-contact radar screening system in patients with chronic obstructive pulmonary disease Hiroki Nishine (Kawasaki (Kanagawa), Japan), Hiroki Takamoto, Guanghao Sun, Shohei Sato, Takeo Inoue, Takemi Matsui, Masamichi Mineshita
PA784	Effects of a neuromuscular blocking agent on chest wall mechanics in rats Álmos Schranc (Szeged, Hungary), Gergely H. Fodor, André Dos Santos Rocha, Roberta Südy, Barna Babik, József Tolnai, Walid Habre, Ferenc Peták
PA786	Correlation between alveolar-arterial oxygen tension difference (AaPO₂) on room air and while breathing 100% O₂ : implications for screening for shunting. Jean-Charles Glerant (Bron, France), Camille Simon, Victor Margelidon-Cozzolino, Vincent Cottin, Jean-François Mornex, Ségolène Turquier
PA787	How does severe asthma impact on everyday life? Rocco Francesco Rinaldo (Milano (MI), Italy), Elena Parazzini, Elena Brambilla, Pierfrancesco Longo, Sofia Comandini, Fausta Alfano, Stefano Centanni, Fabiano Di Marco
PA788	Immediate and late effects of anesthesia and mechanical ventilation in healthy rats Walter Zin (Rio De Janeiro (RJ), Brazil), Rodrigo Santos, Mariana Abreu, Alexia Cardozo, Luciana Camilo, Alysson Carvalho
PA789	Hyperbaric and hyperoxia-induced lung injury under different ambient conditions Walter Zin (Rio De Janeiro (RJ), Brazil), Alvaro Bastos

TP-10

Session 106

12:50 - 14:40

Thematic poster: Exploring the lungs in various pathophysiological conditions

Disease(s) : Airway diseases Respiratory critical care Sleep and breathing disorders Thoracic oncology Pulmonary vascular diseases
Interstitial lung diseases

Method(s) : Pulmonary function testing Physiology Respiratory intensive care General respiratory patient care Cell and molecular biology Imaging Surgery

Chairs : Bruno-Pierre Dube (Montréal (QC), Canada), Esther Irene Schwarz (Zürich, Switzerland), Georgios Kaltsakas (Athens, Greece), J. Alberto Neder (Kingston (ON), Canada)

PA791	Comparison of indirect measurements of multiple breath nitrogen washout with mass spectrometry. Chantal Darquenne (La Jolla, United States of America), Rebecca J. Theilmann, Sylvia Verbanck
PA792	Is there a relationship between Mean Platelet Volume and the severity of obstructive sleep apnea ? Malek Chaabouni (Sfax, Tunisia), Souha Kallel, Khouloud Kchaou, Esma Jameleddine, Malek Chaabouni, Moncef Sellami, Ilhem Charfeddine
PA793	Intrapulmonary percussive ventilation to achieve prolonged breath-hold for radiation treatments Nicolas Audag (Bruxelles, Belgium), Geneviève Van Ooteghem, Xavier Geets, Grégory Reychler, Giuseppe Liistro
PA794	Predicted versus observed postoperative lung function six months after lung resection: A comparison between patients with and without COPD Danielle Cristine Campos Bedin (São Paulo (SP), Brazil), Roberta Pulcheri, Luiz Nery, Sonia Faresin
PA795	Volumetric capnogram indices in pulmonary air embolism József Tolnai (Szeged, Hungary), Roberta Südy, Gergely H. Fodor, Barna Babik, Ferenc Peták
PA796	Dynamic chest radiography measurements correlate with conventionally measured lung volumes Sarika Raghunath (Ashton-under-lyne (Lancashire), United Kingdom), Mark Ambrose, Harsh Agarwal, Kellan Masharani, Reynaldo Martina, Livingstone Chishimba, Diana Penha, Hassan Burhan
PA797	Physiological changes following mechanical insufflation:exsufflation therapy in patients with spinal cord injury (SCI) Neeraj Shah (New Malden (Surrey), United Kingdom), Matthew Barclay, Rebecca D'Cruz, Georgios Kaltsakas, Nicholas Hart, Patrick Murphy
PA798	Apnea-hypopnea index in active university students with a BMI =25. Diego Vargas (Santiago, Chile), Matías Otto-Yáñez, Rodrigo Torres-Castro, Julio Figueroa, Sebastián Miranda, Guilherme Fregonezi
PA799	Changes of pulmonary circulation in Kyrgyz highlanders depending on seasons Meerim Cholponbaeva (Bishkek, Kyrgyzstan), Kubat Muratali Uulu, Almaz Akunov, Samatbek Satybaldiev, Abdirashit Maripov, Akylbek Sydykov, Akpay Sarybaev
PA800	Spirometric and clinical profiles in asthma copd overlap (ACO) Khalil Zayen (Ariana, Tunisia), Houda Snen, Blibech Hana, Mrassi Hana, Daghfous Jalloul, Mhiri Nadia, Ben Salah Nozha, Louzir Bechir
PA801	The impact of parity on lung function data (LFD) of Algerian healthy females aged > 40 Yrs: a comparative study Ketfi Abdelbassat (Alger, Algeria), Merzak Gharnaout, Leila Triki, Helmi Ben Saad
PA802	Development multiplexing sensing platform for the detection of ALI/ARDS in mice Nuha Alekhmimi (Riyadh, Saudi Arabia), Juergen Popp, Dana Cialla, Mohammed Zourob
PA803	Benchmarking of pulmonary function studies in a large regional pulmonary function laboratory. Scott Hawkes (Woking (Surrey), United Kingdom), Rob Peat, Martin Walshaw, Dorothy Price
PA804	Comparison of respiratory symptoms and pulmonary functional capacity in healthy people residing in urban and hilly areas of southern India Deepak Ug (Hassan (Karnataka), India), Mohan Jayaramu
PA805	Changes in the lung metabolic functions by inhalation of ipratropium bromide Y Petrov (Ryazan (Ryazan Oblast), Russian Federation), V Abrosimov, Y Byalovskiy , Irina Ponomareva, S Glotov, S Vikulin
PA806	Effects of barometric pressure on spirometry Matthew Hegewald (Murray, United States of America), Anthony Edwards, Dave Collingridge, Robert Jensen, Alan Morris
PA807	Association between pulmonary function measured by spirometry and frailty phenotype in community-dwelling elderly patients. Maria Belén Gallegos Carrera (Quito, Ecuador), Alejandra Mejia, Ximena Guevara

- PA808 Amyotrophic lateral sclerosis: predictors of respiratory impairment at disease diagnosis**
Ana Raquel Magalhães (Lisboa, Portugal), José Rosa, Inês Moreira, Sara Rosário, Inês Duarte, Alexandra Borba, Alexandra Mineiro, João Cardoso

TP-11 Session 107 12:50 - 14:40

Thematic poster: Diagnostic issues in obstructive sleep apnoea

Disease(s) : Sleep and breathing disorders

Method(s) : Pulmonary function testing General respiratory patient care Epidemiology Physiology Public health

Chairs : Thomas Penzel (Berlin, Germany), Andrea Crespo Sedano (Valladolid, Spain), Renaud Tamisier (Grenoble, France), Milan Sova (Olomouc, Czech Republic)

- PA810 Differences in polysomnographic (PSG) parameters between obese and non-obese patients with obstructive sleep apnea (OSA)**
Aleksander Kania (Kraków, Poland), Grazyna Bochenek, Pawel Nastalek, Natalia Celejewska-Wojcik, Kamil Polok, Krzysztof Regulski, Andrzej Opalinski, Barbara Mrzyglod, Miroslaw Glowacki, Krzysztof Sladek
- PA811 Adiponectin and epicardial fat in patients with obstructive sleep apnoea**
Milan Sova (Olomouc, Czech Republic), Samuel Genzor, Eliska Sovova, Amjad Ghazal Asswad
- PA812 Results of sleep study conducted for one week in patients with end-stage renal disease undergoing maintenance hemodialysis.**
Akemi Matsuo (Nagano, Japan), Atsushi Nakajima, Kanako Tomita, Masaki Nagasawa, Hironori Nakamura, Yasushi Makino, Katsuhiko Tamura, Keisaku Fujimoto
- PA813 An observational study of the effects of changes in functional residual capacity on patients with simple obstructive sleep apnea hypopnea syndrome**
Jie Cao (Tianjin, China), Qin Shuhui, Zhou Ning, Lv Xin, Wang Yan, Zhang Jing, Chen Baoyuan
- PA814 Serum clara cell protein-16 level in non-smoker obstructive sleep apnea syndrome patients**
Ege Gulec Balbay (Düzce, Turkey), Ozlem Ataoglu, Merve Ercelik, Ibrahim Ethem Sahin, Ozlem Admis, Peri Arbak
- PA815 Sleep apnea diagnosis supported by a neural network analysis combining single-channel mandibular movement recordings with co-morbidities and self-reported symptoms.**
Jean-Benoit Martinot (Namur, Belgium), Nhat Nam Le Dong, Valérie Cuthbert, Antoine Bolly, David Gozal, Jean-Louis Pepin
- PA816 Introduction of a community outreach service to transform the diagnostic pathway for patients' referred with suspected Obstructive Sleep Apnoea (OSA)**
Nikesh Devani (London, United Kingdom), Tom Aslan, Sarah Morgan, Swapna Mandal
- PA817 Impact of antihypertensive drugs on Watch-PAT variables in patients with obstructive sleep apnea.**
Taku Kinoshita (Chiba-shi, Japan), Jiro Terada, Ken Koshikawa, Seiichiro Sakao, Koichiro Tatsumi
- PA818 Utility of awake oxygen saturation to identify obstructive sleep apnoea**
Daniel Wang (NSW, Australia), Hsin-Chia Carol Huang
- PA819 Rapid-eye-movement related obstructive sleep apnea-hypopnea syndrome: demographic, anthropometric, and polysomnographic features**
Yan Wang (Tianjin, China), Ju Jiajun, Wang Yan, Zhang Jing, Cao Jie, Chen Baoyuan
- PA820 Comparison of residual apnea-hypopnea index given by positive airway pressure software and polysomnography in patients with sleep apnea syndrome.**
Quentin Phillipot (Saint Mandé, France), Louise Bondeelle, Mathilde Salpin, Mirella Iskandar, Justine Frija-Masson, Hervé Mal, Gabriel Thabut, Marie-Pia D'Ortho
- PA821 Automated analysis for the diagnosis of sleep apnoeas in patients with suspected disease. Validity of a new respiratory polygraphy system**
Gabriela Zamora Almeida (Vitoria, Spain), Joaquín Durán-Cantolla, José Cordero Guevara, Sandra Inglés Borda, Joaquín Durán Carro, Jorge Ullate Mora, Nieves Navarro Solano, Mikel Azpiazu Blocona, Ainhoa Álvarez Ruiz De Larrinaga, Jaime Marcos Cabrerizo, José Luis Manjón Caballero, Almudena Fernández Vicente, Carlos Egea Santaolalla
- PA822 A bagging-based automatic method to estimate apnea-hypopnea index from home-oximetry recordings**
Gonzalo C. Gutiérrez-Tobal (Valladolid, Spain), Daniel Álvarez, Andrea Crespo, Fernando Vaquerizo-Villar, Verónica Barroso-García, Fernando Moreno, Félix Del Campo, Roberto Hornero
- PA823 Evaluation of AHI agreement between PAP algorithms and polygraphy in CSA patients**
Yann Rétory (Courbevoie, France), Shuo Liu, Sébastien Hardy, François Cottin, Gabriel Roisman, Michel Petitjean

- PA824** **Mixed apnea metrics during diagnostic polysomnographies in obstructive sleep apnea patients with/without treatment-emergent central sleep apnea**
Simon Dominik Herkenrath (Köln, Germany), Katja Pavsic, Marcel Treml, Lars Hagemeyer, Winfried Randerath
- PA825** **Accuracy of Heart Rate estimation from DC polarised elastomer respiratory sensors**
Paul Breen (Kingswood (NSW), Australia), Gaetano Gargiulo, Ganesh Naik, Danny Eckert
- PA826** **Obstructive sleep apnoea and liver steatosis as measured by magnetic resonance in patients with metabolic comorbidities**
Wojciech Trzepizur (Angers CEDEX 9, France), Jérôme Boursier, Marc Le Vaillant, Anna Berréhare, Ramaroson Andriantsitohaina, Pierre-Henri Ducluzeau, Séverine Dubois, Samir Henni, Pierre Abraham, Paul Calès, Christophe Aubé, Anita Paisant, Frédéric Gagnadoux
- PA827** **Respiratory polygraphy (RP) vs polysomnography (PSG) in the preoperative protocol of bariatric surgery: variability in the therapeutic decision.**
David Vladimir Clofent Alarcon (Barcelona, Spain), Júlia Sampol Sirvent, Patricia Lloberes Canadell, Odile Romero Santotomas, Gabriel Sampol Rubio
- PA828** **Lexicometric Analysis Applied for Narrative Illness Experience of Obstructive Sleep Apnea Patients**
Carlos Zamarron Sanz (A Coruña, Spain), Carlos Rabade Castedo, Romina Abelleira París, Marcelino Agis Villaverde
- PA829** **Correlation between CPAP pressure, calculates by titration with autocopap, and the arithmetic mean of the Hoffstein and Series formulas.**
Pedro Juan Rodríguez Martín (Sevilla, Spain), Rafael Perera Louvier, Jose Antonio Delgado Torralbo, María Velarde Rodríguez, Patricia Guerrero Zamora, Marta Ferrer Galván, Ana Gómez-Bastero, Virginia Almadana Pacheco, Jesús Sánchez Gómez, Jose María Benítez Moya, Agustín Salvador Valido Morales

TP-12

Session 108

12:50 - 14:40

Thematic poster: Screening tools, prevalence and predictors of obstructive sleep apnoea

Disease(s) : Thoracic oncology Sleep and breathing disorders

Method(s) : General respiratory patient care Epidemiology Physiology Public health Respiratory intensive care Pulmonary function testing

Chairs : Stefan A. Mihaicuta (Timisoara (Timis), Romania), Paschalis Steiropoulos (Alexandroupolis, Greece), Luiza Helena Degani-Costa (São Paulo (SP), Brazil)

- PA830** **Screening for obstructive sleep apnea (OSA) in patients referred for bariatric surgery.**
Raphaël Lukaszewicz (Rouen, France), Antoine Grégoire, Samuel Dolidon, Marie Netchitailo, Florence Portier, Antoine Couvelier, Maxime Patout
- PA831** **Characteristics of adults with Down Syndrome attended in a sleep disorder consultation**
Beatriz Aldave Orzaiz (Madrid, Spain), Pedro Landete Rodríguez, Enrique Zamora García, Ana Sánchez Azofra, Gorane Iturricastillo Gutiérrez, Carmen Acosta Gutiérrez, Marta Erro Iribarren, Julio Ancochea Bermúdez
- PA832** **Obstructive sleep apnea prevalence in subjects with skeletal class II or class III with maxillary hypoplasia deformities waiting for orthognathic surgery.**
Jaume Bordas-Martinez (barcelona, Spain), Mercè Gasa Galmes, Alexandre Izquierdo Miranda, Carla López-Padrós, Eliseo Prado Gala, Neus Salord Oleo, Carlos Arranz Obispo, Arnaud Morla, Carmen Monasterio Ponsa
- PA833** **Prevalence of very severe obstructive sleep apnea syndrome from symptomatic patients.**
Glenda Ernst (Ciudad Autónoma Buenos Aires, Argentina), Magalí Blanco, Silvana Schonfeld, Martín Bosio, Alejandro Salvado, Eduardo Borsini
- PA834** **Study on Incidence and Risk Factors of Venous Thromboembolic in OSAHS Patients in Qinghai Province**
Wei Guan (Beijing, China), di xiao
- PA835** **Assessment of sleep disorders among patients with lung cancer**
Houda Snène (Tunis, Tunisia), Dorra Brahim, Marwa Kacem, Meriem Mjid, Sonia Toujani, Khalil Zayen, Hana Blibech, Rim Hentati, Hana Mrassi, Abir Hedhli, Sana Cheikhrouhou, Yacine Ouahchi, Jalloul Daghfous, Nadia Mehiri, Samira Merai, Nozha Ben Salah, Bechir Louzir
- PA836** **Cross sectional study of the prevalence of Obstructive Sleep Apnea Syndrome (OSAS) and of the OSAS awareness in the general population of Thessaly prefecture in Greece.**
Sotirios Zarogiannis (Larisa, Greece), Petros Kassas, Georgios Vavougiou, Chrissi Hatzoglou, Konstantinos Gourgoulianis
- PA837** **Obstructive sleep apnea in normal weight patients: characteristics and comparison with overweight and obese patients**
Sonia Castro Quintas (Bilbao (Bizkaia), Spain), Amaia Urrutia Gajate, Leyre Serrano Fernández, Marta García Moyano, Beatriz González Quero, Borja Ortiz De Urbina Antia, Sandra Pedrero Tejada, Valentin Cabriada Nuño

- PA838 Turkish Validation of the European Obstructive Sleep Apnoea Screening (EUROSAS) Questionnaire for Drivers**
Yuksel Peker (Istanbul, Turkey), Ekinsu Kabadayi, Ragip Cetinkaya, Alp Giray Karakucuk, Ayse Nilufer Ozaydin, Walter T. McNicholas
- PA839 Sleep Apnea Questionnaire Study: An Internet Based Survey**
Tarang Kulkarni (Mumbai (Maharashtra), India), Praveen Shahi, Souvik Barman, Raja Dhar
- PA840 SAS score, STOP-Bang and NoSAS - targeting high-specificity for population-wide monitoring of obstructive sleep apnea**
Alexandru-Ciprian Ciotlos-Sinoi (Timișoara (Timis), Romania), Mihai Udrescu, Alexandru Topirceanu, Alexandra Rus, Stefan A. Mihaicuta
- PA841 STOP-Bang and Berlin questionnaire as predictors of sleep apnea in patients with paroxysmal atrial fibrillation**
Gunn Marit Traaen (Oslo, Norway), Britt Øverland, Lars Aakerøy, Tove-Elizabeth Hunt, Christina Bendz, Nina Bredesen, Lars Øyvind Sande, Svend Aakhus, Merete Nordstad, Tobias Herrscher, Per Sirnes, Sigurd Steinshamn, Ole-Gunnar Anfinsen, Jan Pål Loennechen, Lars Gullestad, Harriet Akre
- PA842 Prevalence of sleep disorders in medical trainees**
Khalil Zayen (Ariana, Tunisia), Snene Houada, Blibech Hana, Brahim Dorra, Mrassi Hana, Hentati Rim, Daghfous Jalloul, Rafrafi Rym, Mehiri Nadia, Ben Salah Nozha, Louzir Bechir
- PA843 Severity of OSA and Depression**
DIANA RALUCA VELESCU (Timisoara (Timis), Romania), Monica Marc, Daniel Traila, Cristian Oancea
- PA844 The prevalence of sleep apnea in patients with distressing dreams**
Arpit Sharma (Jaipur, India), Deelip Chatterjee, Melissa Turek, Harleen Brar, Randy Balatabat, Leena Chatterjee, Burton Seitler
- PA845 Sex differences in symptoms and comorbidities among adults in a sleep apnea cohort**
Özge Can Bostan (Ankara, Turkey), Beyza Akcan, Baran Balcan, Yuksel Peker
- PA846 Risk of obstructive sleep apnea and impaired glucose metabolism in non-diabetic subjects**
Juan Carrillo (Calama, Chile), Carmen Lia Solis, Renee Barrientos, Alexandra Larenas, Luzmila Gonzalez, Lilian Sanhueza
- PA847 Prediction of sleep apnea severity using a textile-based electrocardiogram monitoring device**
Florent Baty (St. Gallen, Switzerland), Maximilian Boesch, Sandra Widmer, Simon Annaheim, Piero Fontana, Martin Camenzind, René Rossi, Otto Schoch, Martin Brutsche
- PA848 Investigation of Sleep Apnea During Elderly**
Selman celik (Istanbul, Turkey), Hediye Asrlan Ozkan, Tugce Atak Meric

TP-13

Session 109

12:50 - 14:40

Thematic poster: Impact of sleep-disordered breathing in other diseases**Disease(s) :** Sleep and breathing disorders Respiratory critical care Airway diseases**Method(s) :** General respiratory patient care Respiratory intensive care Physiology Epidemiology Pulmonary function testing Imaging Public health Pulmonary rehabilitation**Chairs :** Athanasia Pataka (Thessaloniki, Greece), Richard Staats (Murches, Portugal), Oana Claudia Deleanu (Bucuresti, Romania), Tarja Saaresranta (Littoinen, Finland)

- PA849 Association between obstructive sleep apnea and nonalcoholic fatty liver disease**
Hanaa Shafiek (Alexandria, Egypt), Samar Abd-Elrafea, Perihan Salem, Nashwa Abd-Elwahab
- PA850 A study of sleep related breathing disorder patterns in patients of chronic obstructive pulmonary disease in a tertiary care hospital.**
Saikat Banerjee (Kolkata (West Bengal), India), Susmita Kundu
- PA851 The association of obstructive sleep apnea with insulin resistance in obese Egyptians**
Mahmoud Elhabashy (Shebin Elkom, Egypt), Waleed Shehab
- PA852 Sleep disorders and the impact on quality of life and comorbidity in adults - our experience in south Italy.**
Ambra Nicolai (Pomezia (RM), Italy), Rosalba Maffucci, Maria Rosaria Gioia, Stefania Tartaglione, Pasqualina Gaglione, Edoardo Grella, Andrea Bianco, Gennaro Mazzearella
- PA853 The relationship between functional recovery and OSA in Stroke patients of a neurorehabilitation unit in Santiago, Chile.**
Gonzalo Monge (Santiago, Chile), Matías Otto-Yáñez, Rodrigo Torres-Castro, Dennys Oyarzo

PA854	The paradox of chronic respiratory diseases and motor vehicle accidents Heidi Avellan-Hietanen (Helsinki, Finland), Matti Hänti, Timo Tervo, Vesa A. Niskanen, Paula Kauppi, Paula Maasilta, Adel Bachour
PA855	The prevalence and physiological profile of patients with overlap syndrome in a United Kingdom population Stephanie K. Mansell (Guildford (Surrey), United Kingdom), Valentina Ferrada, Claire Fitzgerald, Swapna Mandal
PA856	Association between obstructive sleep apnea and the severity of non-alcoholic fatty liver disease. Gabriela Coral (Porto Alegre, Brazil), Graciela Krolow, Eduardo Garcia, Fabiola Schorr
PA857	Sleep Apnoea Syndrome (SAS) in Dysthymia treated with Selective Serotonin Reuptake Inhibitors (SSRIs): profile of patients with residual excessive daytime sleepiness (EDS) Virginia Guevara Velazquez (Salamanca, Spain), Milagros Rosales Dedios, Paola Gudiel Arriaza, Amparo Sánchez Serrano, J. Luis Fernandez Sánchez, Carmen Martín Gómez, Jose Carlos Morán Sánchez
PA858	Prevalence and clinical predictors of sleep apnea in patients with paroxysmal atrial fibrillation Gunn Marit Traaen (Oslo, Norway), Britt Øverland, Lars Aakerøy, Tove Elizabeth Hunt, Christina Bendz, Nina Bredesen, Lars Øyvind Sande, Svend Aakhus, Line Hansen, Karin Ausen, Sigurd Steinshamn, Ole-Gunnar Anfinsen, Jan Pål Loennechen, Harriet Akre, Lars Gullestad
PA859	Nighttime short-acting beta-agonist (SABA) in asthma and COPD Rahul Gondalia (San Francisco, United States of America), William Anderson, Heather Hoch, Meredith Barrett, Stanley Szeffler, David Van Sickle, David Stempel
PA860	Particularities of older patients with obstructive sleep apnea and heard failure with mid-range ejection fraction. Stefan A. Mihaicuta (Timisoara (Timis), Romania), Carmen Ardelean, Daniel Lighezan, Sorin Pescariu, Valentin Nadasan
PA861	BENEFITS OF EARLY DIAGNOSIS AND TREATMENT OF OBSTRUCTIVE SLEEP APNEA-HYPOPNEA SYNDROME IN PATIENTS WITH ACUTE ISCHEMIC STROKE: SASS (Sleep Apnea in Stroke patients Study) Pedro Juan Rodriguez Martin (Sevilla, Spain), Marta Ferrer Galván, Patricia Guerrero Zamora, Jesús Sánchez Gómez, Jose María Benítez Moya, Agustín Salvador Valido Morales
PA862	Association between plasma leptin levels and obstructive sleep apnoea in non-obese patients with coronary artery disease and response to CPAP treatment Baran Balcan (Istanbul, Turkey), Erik Thunström, Tulay Yücel-Lindberg, Yuksel Peker
PA864	Risk of obstructive sleep apnea in patients with rheumatoid arthritis and its impact on quality of life Sara Isabel Campos Silva (Paços de Ferreira, Portugal), Vânia Caldeira, C Sousa, Sofia Pinheiro, Nicole Murinello, João Cardoso
PA865	Differences in anthropometric, sleep and respiratory characteristics between hypercapnic and normocapnic patients with overlap syndrome Athanasios Voulgaris (Thessaloniki, Greece), Kostas Archontogeorgis, Evangelia Nena, Maria Xanthoudaki, Despina Kotakidou, Konstantina Nikolaou, Stavros Anevlavis, Marios Froudarakis, Paschalis Steiropoulos
PA866	Impact of obstructive sleep apnea on ICU patient's prognosis – insights from a French ICU cohort Sébastien Bailly (Grenoble, France), Louis-Marie Galerneau, Stéphane Ruckly, Nicolas Terzi, Carole Schwebel, Claire Dupuis, Renaud Tamisier, Bruno Mourvillier, Jean-Louis Pépin, Jean-François Timsit
PA867	Can peripheral saturation predict the existence of obstructive sleep apnea syndrome (OSA) in a population followed for atrial fibrillation (AF)? Amany Touil (Tunis, Tunisia), Jihen Ben Amar, Haifa Zaibi, Kais Sammoud, Manel Ben Halima, Mohamed Sami Mourali, Basma Dhahri, Hichem Aouina
PA868	Non apnea sleep disorder associates with higher risk of injuries- A 13-year follow up nationwide population-based cohort study I-Duo Wang (Taipei, Taiwan), Pei-Yi Tsai, Chung-Kan Peng, Chi-Hsiang Chung, Feng-Cheng Liu, Shan-Yueh Chang, Wu-Chien Chien

TP-14

Session 110

12:50 - 14:40

Thematic poster: Pathophysiological aspects of obstructive sleep apnoea from sea level to high altitude

Disease(s) : Sleep and breathing disorders Airway diseases

Method(s) : Physiology Pulmonary function testing Epidemiology Cell and molecular biology General respiratory patient care

Chairs : Jan A. Hedner (Göteborg, Sweden), Raphael Heinzer (Lausanne, Switzerland), Johan Verbraecken (Edegem (Antwerp), Belgium), Sophia E. Schiza (Heraklion, Greece)

- PA869 Sleep fragmentation mimicking sleep apnea does not alter cardiac function in either control or heart failure mice**
Ignacio Cabrera-Aguilera (Barcelona, Spain), Begoña Benito, Marta Tajés, Ramon Farré, David Gozal, Isaac Almendros, Nuria Farré
-
- PA870 Evaluation of respiratory airway impedance in patients with OSA during awakening.**
Ryosuke Machida (matsumoto-shi, Japan), Syuhei Nozawa, Kazuhisa Urushihata, Atsuhito Ushiki, Masanori Yasuo, Hiroshi Yamamoto, Masayuki Hanaoka
-
- PA871 Sleep disorders breathing at moderate altitude (2.425 m.): prevalence and gender influence**
Gustavo Juan Samper (Valencia, Spain), Cristina Navarro Soriano, Paula Martín De Salvador, Estrella Fernandez Fabrellas, Rafael Navarro Ivañez
-
- PA872 Beclin-1 circulating levels in middle-aged men with sleep-disordered breathing.**
Frédéric Schlemmer (Créteil Cedex, France), Etienne Audureau, Audrey Ridoux, Ala Covali-Noroc, Bernard Maitre, Geneviève Derumeaux, Xavier Drouot, Sophie Lanone, Serge Adnot, Jorge Boczkowski, Laurent Boyer
-
- PA873 INTERMITTENT HYPOXIA AND FRAGMENTATION OF THE DREAM INDUCE THE APPEARANCE OF HEPATIC STEATOSIS**
Carmen Maria Acosta Gutierrez (Madrid, Spain), Pedro Landete Rodriguez, Marta Hernández Olivo, Esther Rey Fernandez, David Gozal, Carmelo García Monzón, Ramon Farre Ventura, Isaac Almendros Lopez, Beatriz Aldabe Orzaiz, Ana Sanchez Azofra, Enrique Zamora Garcia, Agueda González Rodriguez
-
- PA874 Impact of hypertension on cerebral microvascular structure in obstructive sleep apnoea patients: a diffusion magnetic-resonance imaging study.**
Sira Thiel (Zürich, Switzerland), Thomas Gaisl, Franziska Lettau, Andreas Boss, Sebastian Winklhofer, Malcolm Kohler, Cristina Rossi
-
- PA875 Clinical and polysomnographic differences in obstructive sleep apnea patients with different arousal threshold: a clinical study of 894 patients**
jianxia du, Jie Cao, Yan Wang, Baoyuan Chen
-
- PA876 Impaired restorative sleep, endotoxaemia and oxidative stress in women with obstructive sleep apnoea**
Ivana Trojova (Prešov, Slovakia), Darina Petrasova, Ivana Paranicova, Pavol Pobeha, Ruzena Tkacova, Pavol Joppa
-
- PA877 Determination of neurotransmitters in the brain of rats with sleep apnea syndrome**
Leiqian Xu (Tianjin, China), Jie Cao
-
- PA878 Inspiratory flow limitation identified obstruction and breath cycling before, during, and after Cheyne Stokes breathing**
Neil Skjodt (Lethbridge (AB), Canada), Vidisha Pahwa, Ronald S Platt
-
- PA879 Mechanisms of orthopnea in patients with advanced COPD**
Amany Fathy Elbehairy (Alexandria, Egypt), Azmy Faisal, Hannah Mcisaac, Casey E. Ciavaglia, J Alberto Neder, Denis E O'Donnell
-
- PA880 Angiogenic factors in patients with myocardial infarction and obstructive sleep apnea.**
Elvira Bondia Real (Valencia, Spain), Jaime Signes-Costa, Jose Gavara, César Rios-Navarro, Vicente Bodí, Paolo Racugno, Maria Pilar Lopez-Lereu, Jose Vicente Monmeneu, Maria Pilar Bañuls, Nuria Garrido, Emilio Servera
-
- PA881 OSA, hypertension, diabetes and dyslipidaemia share common genetic background: Results of a twin study.**
Martina Mészáros (Budapest, Hungary), Adám D Tárnoki, Dávid L Tárnoki, Dániel Kovács, Bianka Forgó, Jooyeon Lee, László Kunos, András Bikov
-
- PA882 ANALYSIS OF THE UPPER-AIRWAY COLLAPSABILITY IN PATIENTS WITH RENAL DISEASE IN HEMODIALYSIS: PRELIMINARY RESULTS.**
Renata Palma (São Paulo (SP), Brazil), Francisco Campos, Anderson Silva, Jessica Urbano, Eduardo Perez, Jose Junior, Luane Nogueira, Marcelly Matias, Lara Avila, Rodolfo Vieira, Vera Alves, Luiz Miorin, Salvatore Romano, Giuseppe Insalaco, Luis Oliveira
-
- PA883 Resistance in upper airways: a simple tool in the management of obstructive sleep apnoea**
Julia Herrero Huertas (Oviedo, Spain), Ramón Fernández, Gemma Rubinos, Marta Íscar, María José Vázquez, Claudia Janeth Madrid, Andrés Mauricio Ortiz, Pere Casan
-
- PA884 P0.1/PetCO2 slope as an indirect measurement of CO2 hypersensitivity in patients with central sleep apnoeas.**
Andres Mauricio Ortiz Reyes (Oviedo, Spain), Ramon Fernandez Alvarez, Gemma Rubinos Cuadrado, Ines Ruiz Alvarez, Marta Iscar Urrutia, Maria Jose Vazquez Lopez, Pere Casan Clara
-
- PA885 Neural respiratory drive and airway resistance in obstructive sleep apnoea**
Esther Irene Schwarz (Zürich, Switzerland), Bai-Ting He, Miral Al-Sherif, Malcolm Kohler, Joerg Steier

- PA886** **Late Breaking Abstract - Diagnostic accuracy of a respiratory portable monitor, placed at home for obstructive sleep apnea in Mexican children**
Martha Guadalupe Torres Fraga (México D.F, Mexico), Tania Margarita Silva Cruz, José Luis Carrillo Alduenda, Emma Rosario García Colín, María Teresa Tejada Santos, Luis Torre Bouscoulet
- PA887** **Late Breaking Abstract - Clinical value of a mandibular movements recording sensor in obstructive sleep apnea diagnosis: a machine learning approach**
Clement Letesson (Lustin, Belgium), Antoine Dedave, Stéphane Denison, Valérie Cuthbert, Jean-Benoît Martinot, David Gozal, Jean-Louis Pépin
- PA888** **Late Breaking Abstract - External humidification does not alleviate human epithelial inflammation after CPAP therapy**
Sandra Grau Bartual (Auckland, New Zealand), Ahmed M. Al-Jumaily

TP-15

Session 111

12:50 - 14:40

Thematic poster: Consequences of sleep-disordered breathing from molecular and clinical points of view

Disease(s) : Sleep and breathing disorders

Method(s) : Epidemiology Public health General respiratory patient care Cell and molecular biology Pulmonary function testing Physiology Pulmonary rehabilitation

Chairs : Michael Arzt (Regensburg, Germany), Dimosthenis Lykouras (Patra, Greece), Renata L. Riha (Edinburgh (Edinburgh), United Kingdom), Oreste Marrone (Palermo (PA), Italy)

- PA889** **Impact of sleep quality and comorbidities on health-related quality of life in patients with obstructive sleep apnea**
Michael Agrafiotis (Cholargos, Greece), Artemis Galanou, Ioannis Proikos, Panagiotis Charalambou, Paschalis Steiropoulos
- PA890** **A proof of concept study describing extraoesophageal reflux in patients with obstructive sleep apnoea and asthma and the effects of continuous positive airway pressure**
Chris Ward (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Zelal Kharaba, Graham Burns, Sophie West, Qutayba Hamid, Bassam Mahboub, Mohammed Shamssain, Yassen Alfoteih
- PA891** **Measuring Sleep quality in older patients post coronary artery bypass graft surgeries:a comparison using subjective and objective methods.**
Hady Atef (Cairo, Egypt), Zinab Helmy, Sameh Elameen, Abeer Farghaly
- PA892** **Obstructive sleep apnea increases the risk of injuries- A nationwide population-based retrospective study**
I-Duo Wang (Taipei, Taiwan), Pei-Yi Tsai, Chung-Kan Peng, Chi-Hsiang Chung, Feng-Cheng Liu, Shan-Yueh Chang, Wu-Chien Chien
- PA893** **Vitamin D Deficiency in Patients Referred for Evaluation of Obstructive Sleep Apnea.**
Izolda Bouloukaki (Heraklion (Crete), Greece), Charalampos Mermigkis, Manolis Markakis, Athanasia Pataka, Paschalis Steiropoulos, Christina Ermidou, Ioanna Alexaki, Stylianos Michelakis, Sophia Schiza
- PA894** **Acute kidney injury after elective coronary artery bypass grafting surgery in patients with and without sleep-disordered breathing**
Susanne Bauer (Regensburg, Germany), Maria Tafelmeier, Bernhard Floerchinger, Daniele Camboni, Marcus Creutzenberg, Sigrid Wittmann, Christof Schmid, Lars S. Maier, Stefan Wagner, Michael Arzt
- PA895** **Circulating dendritic cell subsets are reduced in obstructive sleep apnoea patients: study correlation with inflammation markers**
Angelo Canora (Napoli (NA), Italy), Serena Zanotta, Giorgio Emanuele Polistina, Carmine Nicoletta, Giacomo Ghinassi, Emanuele Ciasullo, Domenico Galati, Marialuisa Bocchino
- PA896** **Aberrant DNA methylation levels of the Formyl Peptide Receptor 1/2/3 genes are associated with obstructive sleep apnea and its clinical phenotypes**
Yung-Che Chen (Kaohsiung, Taiwan), Meng-Chih Lin, Po-Yuan Hsu, Mao-Chang Su, Kuo-Tung Huang, Ting-Ya Wang, Yong-Yong Lin
- PA897** **Hypoxic burden and angiogenic factors in patients with myocardial infarction and obstructive sleep apnea.**
Elvira Bondia Real (Valencia, Spain), Jaime Signes-Costa, Jose Gavara, César Ríos-Navarro, Vicente Bodí, Paolo Racugno, Maria Pilar Lopez-Lereu, Jose Vicente Monmeneu, Maria Pilar Bañuls, Nuria Garrido, Emilio Servera
- PA898** **Predictors of postoperative delirium after elective coronary artery bypass grafting surgery in patients with and without sleep-disordered breathing – a prospective observational study**
Maria Tafelmeier (Regensburg, Germany), Marvin Knapp, Simon Lebek, Bernhard Floerchinger, Daniele Camboni, Marcus Creutzenberg, Sigrid Wittmann, Florian Zeman, Christof Schmid, Lars S. Maier, Stefan Wagner, Michael Arzt

PA899	Correlations between severity of nocturnal hypoxemia and level of Galectin-3 in obstructive sleep apnea patients Lorenzo Marra (Bari (BA), Italy), Valentina Di Lecce, Giorgio Castellana, Carla Santomasi, Silvano Dragonieri, Pierluigi Carratù, Onofrio Resta
PA900	Severe sleep apnea during REM sleep is associated with decreased levels of anti-inflammatory proteins - A proteomic approach to study the impact of sleep-disordered breathing Eva Lindberg (Uppsala, Sweden), Jenny Theorell-Haglöw, Eva Freyhult, Carin Sahlin, Karl A Franklin, Andrei Malinovsky, Christer Janson, Mirjam Ljunggren
PA901	Association of obstructive sleep apnea with female infertility - A 13-year nationwide population-based retrospective study I-Duo Wang (Taipei, Taiwan), Pei-Yi Tsai, Chung-Kan Peng, Chi-Hsiang Chung, Feng-Cheng Liu, Shan-Yueh Chang, Wu-Chien Chien
PA902	Impact of excessive sleepiness associated with obstructive sleep apnea on work productivity in the United States Sam Mettam (Guildford, United Kingdom), Laura Tesler Waldman, Sairam Parthasarathy, Kathleen F. Villa, Morgan Bron, Shay Bujanover, Meryl Brod, Sam Mettam
PA903	Moderate-to-severe sleep apnea is associated with elevated proline levels in peripheral blood Ott Kiens (Tartu, Estonia), Viktoria Ivanova, Egon Taalberg, Ketlin Veeväli, Ragne Tamm, Triin Laurits, Martin Juss, Birgit Ahas, Tuuliki Hion, Roman Pihlakas, Kalle Kilk, Ursel Soomets, Alan Altraja
PA904	Association between nocturia and nocturnal hypertension in patients with moderate-severe OSA María Guadalupe Silveira (Barcelona, Spain), Julia Sampol, Gabriel Sampol, Eugenia Espinel Garuz, Marta Gonzalo, Roser Ferrer, María José Jurado, Roser Cambrodi, Alejandro Ferrer, Patricia Lloberes
PA905	Burden of comorbidities in patients with OSA and COPD-OSA overlap syndrome Athanasios Voulgaris (Thessaloniki, Greece), Kostas Archontogeorgis, Evangelia Nena, Maria Xanthoudaki, Marios Froudarakis, Paschalis Steiropoulos
PA906	More than Kidney Failure in Obstructive Sleep Apnea: Urinary Tract Cancer Data from the Vercelli Register Patrizia Pochetti (Quarona (VC), Italy), Lorenza Conti, Valentina Foci, Filippo Patrucco, Anna Maria Calareso, Giulia Rovere, Jaber Mohamad, Mario Malerba
PA907	Evaluation of the levels of the ultrasensitive C-reactive protein (CRP) in subjects with obstructive sleep apnea-hypopnea syndrome Samy Kammoun (Sfax, Tunisia), Marrakchi Rym, Chaabouni Akram, Gargouri Rahma, Boudaya Mariem, Msaad Sameh, Jamoussi Kamel, Kammoun Samy

TP-16

Session 112

12:50 - 14:40

Thematic poster: Evaluation of breathing in children when they are asleep, healthy or ill

Disease(s) : Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Pulmonary function testing Pulmonary rehabilitation Epidemiology

Chairs : Monique Slaats (Edegem (Antwerp), Belgium), Enrico Lombardi (Florence, Italy), Indra Narang (Toronto (ON), Canada), Maria Pia Villa (Roma (RM), Italy)

PA909	Respiratory polygraphy in patients with bronchopulmonary dysplasia: a retrospective study. Carlo De Pieri (Mogliano Veneto (TV), Italy), Brigitte Fauroux, Sonia Khirani, Briac Thierry, Christophe Delacourt, Paola Cogo, Alessandro Amaddeo
PA910	Association between childhood obstructive sleep apnoea and risk of early osteoporosis. nur syazwin sies (Kajang, Malaysia), Anne Marie Nathan, Jessie Ann Debruyne, Mohd Yazid Jalaluddin, Azriyanti Anuar Zaini, Surendran Thavagnanam, Karuthan Chinna
PA911	The use of systemic corticosteroids in children with obstructive sleep apnea syndrome Melania Evangelisti (Roma (RM), Italy), Mario Barreto, Manuela Cecili, Maria Pia Villa
PA912	Correlation of CPAP and BMI in children with obesity Molla Imaduddin Ahmed (Leicester (Leicestershire), United Kingdom), Aisyah Roji, Prakash Patel, Lesley Danvers, David Luyt
PA913	Predictive equations overestimate the inspiratory muscle strength in children with mucopolysaccharidosis VI Bárbara Bernardo Figueirêdo (Recife, Brazil), Cyda Reinaux, Giovanna Domingues Cavalcanti, Helen Kerlen Fuzari, Cláudia Thais Pinto, Juliana Fernandes Barbosa, Paulo Magalhães, Armêle Dornelas De Andrade
PA914	Evaluation of Sleep Disorders In Children with Down Syndrome Mina Gharibzadeh Hizal (Ankara, Turkey), Sanem Eryilmaz Polat, Dilber Ademhsn, Nagehan Emiralioglu, Ozlem Kiper, Eda Utini, Ebru Yalcin, Deniz Dogru Ersoz, Nural Kiper, Ugur Ozcelik

PA915	Can CPAP therapy for paediatric OSA ever be stopped? Nitin Kapur (Brisbane (QLD), Australia), Zachary King, Pat Wales, Marie-Josée Leclerc, Brent Masters
PA916	Activities of daily living in adolescents: a feasibility study. Fernanda C. Lanza (Belo Horizonte, Brazil), Jenifer Santos, Danila Cano, Karina Nascimento, Jessyca Selman, Simone Dal Corso
PA917	Anthropometric determinants of lung function parameters in healthy Bulgarian children aged 7 to 18 years Stoilka Koleva Mandadzhieva (Plovdiv, Bulgaria), Blagoi Marinov, Stefan Kostianev
PA918	Validating manual selection of tidal breathing curves in awake infants Karen Eline Stensby Bains (Oslo, Norway), Hrefna Katrín Guðmundsdóttir, Erik A. Amnø, Kai-Håkon Carlsen, Gunilla Hedlin, Björn Nordlund, Corina S. Rueegg, Håvard O. Skjerven, Karin C. Lødrup Carlsen
PA919	Simplified quality control criteria for the multiple breath washout technique Bettina Sarah Frauchiger (Bern, Switzerland), Julia Carlens, Nicolaus Schwerk, Gesine Hansen, Philipp Philipp Latzin, Kathryn A. Ramsey
PA920	Feasibility and variability of the double-tracer gas single-breath washout in a paediatric field study. Johanna Manuela Kurz (Bern, Switzerland), Rebeca Mozún, Sylvia Nyilas, Claudia E Kuehni, Philipp Latzin, Alexander Moeller, Florian Singer
PA921	Intra-breath oscillometry for assessing respiratory outcomes in preterm-born children Michael Cousins (Cardiff (South Glamorgan), United Kingdom), Kylie Hart, Zoltan Hantos, Peter Sly, John Henderson, Sailesh Kotecha
PA922	Using Adaptive Principal Component Analysis (APCA) and Machine Learning to characterise paediatric asthma in data collected by Structured Light Plethysmography (SLP) Richard W. Iles (London, United Kingdom), Eero Lauhkonen, Alexander Grafton, Shayan Motamedi, Claire Restarick, Joan Lasenby
PA923	The influence of the asthma phenotype on the aerobic fitness of adolescents Andrey Sousa (São Paulo (SP), Brazil), Anna Lúcia Cabral, Ronaldo Silva, Alfredo Fonseca, José Grindler, Milton Martins, Celso Carvalho
PA924	Relationships between FRChe, trapped gas and PaO2 in children with chronic bronchial diseases Nicole Beydon (Paris, France), Jessica Tayatard
PA925	Impulse oscillometry system as an alternative diagnostic method for chronic obstructive pulmonary disease for children Hye Jin Lee (Seoul, Republic of Korea), Kyung Hoon Kim, Jong-Seo Yoon
PA927	Lung clearance index tracks from preschool to school age in children with cystic fibrosis Bettina Sarah Frauchiger (Bern, Switzerland), Severin Binggeli, Sophie Yammine, Philipp Latzin, Kathryn A. Ramsey

TP-17 **Session 113** **12:50 - 14:40**

Thematic poster: Asthma education: lifestyle and adolescence

Disease(s) : **Airway diseases** **Sleep and breathing disorders**

Method(s) : General respiratory patient care Respiratory intensive care Pulmonary function testing Public health Cell and molecular biology Epidemiology

Chairs : David Lo (Rothley, United Kingdom), Heidi Makrinioti (Athens, Greece), Alexander Möller (Zürich, Switzerland)

PA928	The development of an asthma transition model from paediatric to adult care Victoria Worrall (Cheshire, United Kingdom), Helen James, Gareth Jones, Rebecca Thursfield
PA930	Long-term effects of a peer-led asthma self-management program for adolescents on peer leaders' healthcare utilization Hyekyun Rhee (Rochester, United States of America), Tanzy Love, Donald Harrington, Leanne Walters
PA931	Addressing attitudes and awareness of asthma amongst peers through theatre Kate Harris (London, United Kingdom), Gioia Mosler, Natalie Day, Indrayani Ghangrekar, Stuart Macfarlane, Jonathan Grigg
PA932	Transition to independent self-management among children with asthma Siti Nurkamilla Ramdzan (Shah Alam, Selangor, Malaysia), Hilary Pinnock, Su May Liew, Syuhada Sukri, Hani Salim, Nik Sherina Hanafi, Norita Hussein, Julia Suhaimi, Ping Yein Lee, Ai Theong Cheong, Azainorsuzilha Ahad, Steve Cunningham, Marilyn Kendall, Ee Ming Khoo

PA933	Experiences of participating in a new integrated programme of asthma care: patients and parents' perspectives. Lucy Gait (Liverpool, United Kingdom), Claire Hepworth, Andrew Lilley, Neil Minguard, Ian Sinha
PA934	Parents' and health professionals' perceptions of asthma medication noncompliance among Puerto Rican children LUZ NIEVES (CLERMONT , United States of America)
PA935	Higher health care consumption associated with ethnicity in children with asthma Dina Seljogi (Almere, Netherlands), S Hashimoto, S J H Vijverberg, E Sariguney, S W J Terheggen-Lagro, N W Rutjes, E G Haarman, A H Mailand-Van Der Zee
PA936	Assessing the impact of a school program of early detection of asthma in Latin America Luciano Enrique Busi (Trelew (Chubut), Argentina), Valeria Bonamino, Peter David Sly
PA937	Patient-reported outcomes in preschool children with wheeze Katelyn Aitchison (London, United Kingdom), Heidi Makrinioti, Emily Keating, Michael Coren, Robert Klaber, Chris Griffiths, Mitch Blair, Andrew Bush, Mando Watson
PA938	Are there differences in the level of physical activity and functional capacity between healthy and asthmatic children and adolescents? Mariana Toro (campinas, Brazil), Livea Gianfrancesco, Natasha Yumi Matsunaga, Ana Paula Gaban Malheiro, Maria Cristina Ribeiro Simões , Maria Angela Gonçalves De Oliveira Ribeiro, Jose Dirceu Ribeiro, André Moreno Morcillo, Adyléia Aparecida Dalbo Contrera Toro
PA939	Functional characteristics of children with obesity and asthma Maria Francesca Patria (Milano (MI), Italy), Laura Maffeis, Mara Lelii, Laura Senatore, Marinella Lavelli, Barbara Madini, Paola Marchisio
PA940	Low prevalence of obstructive sleep apnoea in paediatric severe therapy resistant asthma Chris Grime (Liverpool, United Kingdom), Giorgia Garbato, Mark Rosenthal , Sejal Saglani, Louise Fleming, Hui-Leng Tan
PA941	Correlation between pulmonary function tests and apnea-hypopnea index in asthmatic children of 3 to 12 years old at high altitude. Elida Dueñas Mesa (Bogotá, Colombia), Mauricio Gonzalez Garcia, Andrea Parra Buitrago, Jennifer Benavides, Maria Isabel Escamilla Gil
PA942	Prevalence of asthma and respiratory symptoms among cross-country skiers in early adolescence Emma Lennelöv (Gällivare, Sweden), Tommie Irewall, Estelle Naumburg, Anne Lindberg, Nikolai Stenfors
PA943	Effect of subcutaneous allergen immunotherapy on the natural course of allergic diseases: a retrospective cohort study Ozge Yilmaz (Manisa, Turkey), Adem Yaşar, Yurda Simsek, Sedef Alpdogan, Bora Kunay, Hasan Yuksel
PA944	Good aerobic fitness could prevent asthma exacerbation in adolescents during the cold seasons? Andrey Sousa (São Paulo (SP), Brazil), Anna Lúcia Cabral, Ronaldo Silva, Alfredo Fonseca, José Grindler, Milton Martins, Celso Carvalho
PA945	Late Breaking Abstract - Expiratory variability index (EVI) in young children during asthma exacerbation Davor Plavec (Zagreb, Croatia), Ville-Pekka Seppä, Mirjana Turkalj, Anton Hult, Ivana Maloča Vuljanko

TP-18

Session 114

12:50 - 14:40

Thematic poster: Severe acute asthma and troublesome wheezing**Disease(s)** : Airway diseases Respiratory critical care**Method(s)** : General respiratory patient care Pulmonary function testing Respiratory intensive care Epidemiology**Chairs** : Nicola Ullmann (Roma (RM), Italy), Andras Laszlo Soti (Bern, Switzerland), Erol Gaillard (Leicester (Leicestershire), United Kingdom), Katy Pike (London, United Kingdom)

PA946	Risk factors for PICU admission in children with severe acute asthma: a multicenter prospective study Shelley A. Boeschoten (Rotterdam, Netherlands), Annemie L.M. Boehmer, Peter J.F.M. Merkus, Joost Van Rosmalen, Corinne M.P. Buysse, Matthijs De Hoog
PA947	Childhood Severe Asthma: Relationship among asthma control scores, FeNO, spirometry and impulse oscillometry. Gabriela Peláez (Buenos Aires, Argentina), Verónica Giubergia, Belén Lucero, Verónica Aguerre, Juan Manuel Figueroa, Castaños Claudio
PA948	PICU admission in children with severe acute asthma: a multicenter prospective study Shelley A. Boeschoten (Rotterdam, Netherlands), Corinne M. Buysse, Peter J. Merkus, Joost Van Rosmalen, Annemie L. Boehmer, Matthijs De Hoog

PA949	Defining Near Fatal asthma – an international eDelphi study. Ann McMurray (Edinburgh (Edinburgh), United Kingdom), Steve Cunningham, Louise Fleming
PA950	Mepolizumab eligibility in children with severe asthma – do we need paediatric specific criteria? Benjamin Davies (Derby (Derbyshire), United Kingdom), Deevana Chinthala, Susan Frost, Isobel Brookes, Priti Kenia, Satish Rao, Prasad Nagakumar
PA951	An economic evaluation of adding inhaled corticosteroids to systemic corticosteroids for treating acute asthma exacerbations Carlos Enrique Rodriguez Martinez (Bogotá, Colombia), Monica P. Sossa-Briceño, Jose A. Castro-Rodriguez
PA952	Dexamethasone or prednisolone for acute asthma exacerbations in children: a meta-analysis Darshan Nitchingham (Liverpool, United Kingdom), Daniel Hawcutt, Ricardo Fernandes, Berber Kapitein, Lilley Andrew, Julie Grice, Helen Cibinda, Margret O'Connor, Ian Sinha
PA953	Is fungal sensitisation associated with exacerbation-prone or severe preschool wheezing? Karl Holden (Leicester (Leicestershire), United Kingdom), David Lo, Erol Gaillard
PA954	Clinical characteristics, lung function, quality of life, exercise capacity and inflammatory biomarkers in induced sputum and serum in children and adolescents with uncontrolled severe asthma. Mariana Toro (campinas, Brazil), Natasha Yumi Matsunaga, Tais Nitsch Mazzola, Marina Simões Oliveira, Livea Gianfrancesco, Bruna Cunha Zaidan, Icléia Siqueira Barreto, André Moreno Morcillo, Maria Cristina Ribeiro Dos Santos Simões, Maria Angela Gonçalves De Oliveira Ribeiro, Jose Dirceu Ribeiro, Adyléia Aparecida Dalbo Contrera Toro
PA955	Anti-IgE treatment in children with severe intrinsic asthma Grazia Fenu (Firenze (FI), Italy), Enrico Lombardi
PA956	Characterization of severe asthma in the pediatric population of Tarragona. Observational study. Anna Bobe (Tarragona (Catalonia), Spain), Amalvi Vasquez, Elizabeth Rua, Marc Garcia, Alba Gomez, Maria Teresa Pascual, Montserrat Bosque-Garcia
PA957	Infants with severe preschool wheeze: results of a 3 year survey of 138 patients Hortense PETAT (ROUEN, France), Christophe Marguet, Juliette Raghani, Aline Chabbat
PA958	Respiratory rate monitoring from pulse oximetry to assess treatment response in acute preschool wheeze Oana Anton (Newhaven, United Kingdom), David Wertheim, Catherine Olden, Paul Seddon
PA959	Asthma medication from 2 to 13 years in a Swedish birth cohort Emma Goksör (Molnlycke, Sweden), Frida Strömberg Celind, Styliana Vasileiadou, Per Möllborg, Nils Åberg, Rolf Pettersson, Bernt Alm, Göran Wennergren
PA960	Adverse events and cardiovascular effects of vilanterol in paediatric asthma: a systematic review Ian Sinha (Liverpool (Merseyside), United Kingdom), Rhiannon Austin, Daniel Hawcutt
PA961	Antistatic treatment and the amount of salbutamol actuated have variable effect on drug delivery of six different valved holding chambers (VHC) Lauri Lehtimäki (Tampere, Finland), Peter Csonka
PA962	Use of mouthpiece with the VR647 inhalation system in children aged 1 to 4 years Bernhard Müllinger (Gauting, Germany), Leonard B. Bacharier, Gary Burgess, Sue Snape
PA963	Clinically Appropriate Testing of Valved Holding Chambers with Facemask - Impact of Substitution Mark Nagel (London (ON), Canada), Jason Suggett, Valentina Avvakoumova, Amanda Bracey
PA964	Forced oscillation technique (FOT) and Impulse Oscillometry (IOS) depict longer duration of disease in children with Sickle cell disease (SCD) while N2-Multiple-breath-washout (N2MBW) provides new insight on respiratory pattern Francesca Lucca (Verona, Italy), Michele Piazza, Laura Tenero, Elisa Bonetti, Simone Cesaro, Giorgio Piacentini
PA965	The march from subclinical small-airways dysfunction to asthma in children with allergic rhinitis Sotirios Fouzas (Patras, Greece), Eleni Skylogianni, Maria Triga, Konstantinos Bolis, Michael Anthracopoulos

TP-19

Session 115

12:50 - 14:40

Thematic poster: Infection and inflammation in cystic fibrosis

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Pulmonary function testing Cell and molecular biology Epidemiology Public health

Chairs : Pavel Drevinek (Praha, Czech Republic), Paul Whitaker (Leeds (West Yorkshire), United Kingdom), Marcus Mall (Berlin, Germany), Barry Plant (Cork, Ireland)

PA966	Questions of predicting and preventing the progression of pneumofibrosis in children with cystic fibrosis Svetlana Ilchenko (Dnepr, Ukraine), Anastasia Fialkovska, Svetlana Ivanus
PA967	Investigation of the CFTR-TGFB1 interaction in inflammatory and fibrotic processes in healthy and CFTR-mutated human bronchial epithelial cells Jan Thomassen (Cologne, Germany), Tobias Trojan, Christina Vohlen, Ernst Rietschel, Silke Van Koningsbruggen-Rietschel, Miguel A. Alejandre Alcazar
PA968	Sputum and plasma neutrophil elastase in stable adult patients with cystic fibrosis in relation to chronic Pseudomonas colonization. Atqah Abdul Wahab (Doha, Qatar), Mona Allangawi, Merlin Thomas, Ilham Betahi, Siveen K Sivaraman, Jerobin Jayakumar, Prem Chandra, Abdul-Badi Abou-Samra, Manjunath Ramanjaneya
PA969	MiRNA expression profile is altered upon cystic fibrosis pulmonary exacerbation Aleksandra Szczepankiewicz (Poznań, Poland), Irena Wojsyk-Banaszak, Katarzyna Jończyk-Potoczna, Beata Narozna, Zuzanna Stachowiak, Zdzisława Kycler, Paulina Sobkowiak, Anna Bręborowicz
PA970	Characteristics of the composition and level of cell-free DNA and nuclease activity in patients with cystic fibrosis Elena Zhekaite (Moscow, Russian Federation), Elena Kondratyeva, Yulia Kondakova, Svetlana Kostyuk, Marina Kon'Kova, Elizaveta Ershova, Anna Voronkova, Viktoria Sherman, Roman Budzinskiy
PA971	The role of antimicrobial peptides in cystic fibrosis in childhood. Elena Zhekaite (Moscow, Russian Federation), Elena Kondratyeva, Anna Voronkova, Viktoria Sherman, Yuliya Melyanovskaya, Aisa Zodbinova
PA972	Evaluation of neutrophils phagocytosis and killing in pulmonary cystic fibrosis patients Esmail Mortaz (Tehran, Islamic Republic of Iran), Alireza Asef, Elham Azempour, Hossein Ali Ghaffaripour, Ian Adcock, Leo Koenderman
PA973	Clinical correlation of epithelial barrier dysfunction related to neutrophilic inflammation in cystic fibrosis Hasan Yuksel (Manisa, Turkey), Esra Toprak Kanik, Ozge Yilmaz, Ece Ozdogru, Hudaver Alper, Cevval Ulman, Ali Kanik, Yurda Simsek
PA974	Using sputum proteomics to develop a test for reflux aspiration in cystic fibrosis patients Robert Lord (Manchester (Greater Manchester), United Kingdom), Rosemary Maher, Victoria Harman, Brooke Bianco, Paul Mcnamara, Rob Beynon, Jacky Smith, Andrew Jones
PA975	A proteomics approach for the identification of species-specific immunogenic proteins in the Mycobacterium abscessus complex Mathis Steindor (Essen, Germany), Vanesa Nkwouano, Anja Stefanski, Kai Stuehler, Thomas R. Ioerger, David Bogumil, Marc Jacobsen, Colin R. Mackenzie, Rainer Kalscheuer
PA976	Prevalence of airway isolation of Escherichia coli in a paediatric cystic fibrosis population. A retrospective study. Cristina De Manuel Gomez (Madrid, Spain), Carmen Luna-Paredes, María Salomé Albi Rodríguez, Álvaro Gimeno Díaz De Aauri, Enrique Salcedo Lobato
PA977	Characterising pseudomonas carriage patterns using molecular typing. Sormeh Salehian (London, United Kingdom), Donna Mcshane
PA978	Fungal colonization in cystic fibrosis – correlating variables Jessica Cemlyn Jones (Coimbra, Portugal), Margarida Afonso, Fernanda Gamboa
PA979	Is aspergillus isolation (without ABPA) associated with a decline in FEV1 in CF? Rebecca Devaney (Norwich (Norfolk), United Kingdom), Hannah Winterton, Chris Kingsnorth, Matthew Hurley, Jayesh Bhatt,
PA980	Bacterial Contamination of Home Nebulizers in Children with Cystic Fibrosis and Clinical Implication on the Number of Pulmonary Exacerbations Nazanin Farahbakhsh (Tehran, Islamic Republic of Iran), Seyed Ahmad Tabatabaie, Ghamartaj Khanbabae, Saeed Sadr, Maryam Kazemi Aghdam
PA981	Efficacy of Thermal and Chemical Methods of Nebulizer Disinfection of CF Pathogens Melanie Sue Collins (Wilbraham, United States of America), Jamie Harris, Thomas Murray
PA982	Has Palivizumab prophylaxis effect on long time protection cystic fibrosis children from infections? Anna Folino (Torino (TO), Italy), Maria Francesca Fissore, Ilaria Stura, Francesco Del Monte, Ilaria Castagno, Irene Esposito, Elisabetta Bignamini
PA983	Pseudomonas eradication treatment in Europe: Are there still differences between former East and West? Manfred Ballmann (Rostock, Germany), Isabell Weber

TP-20

Session 116

12:50 - 14:40

Thematic poster: Paediatric respiratory infections around the world: Tuberculosis, pneumonia and others

Disease(s) : Sleep and breathing disorders Airway diseases

Method(s) : General respiratory patient care Epidemiology Public health Respiratory intensive care Surgery Endoscopy and interventional pulmonology

Chairs : Refiloe Masekela (Pretoria, South Africa), Andrew Prayle (Nottingham (Nottinghamshire), United Kingdom), Ahmad Kantar (Bergamo (BG), Italy), Ian Sinha (Liverpool (Merseyside), United Kingdom)

PA984 Vitamin D and LL-37 Levels In Childhood Tuberculosis Disease and Latent Tuberculosis Infection
Nagehan Emiralioğlu (Ankara, Turkey), Ebru Yalçın, Gokcen Tuğcu, Sanem Eryılmaz, Mina Hizal, Ayse Mete Yeşil, Nazlı Gönç, Deniz Doğru, Uğur Özçelik, Nural Kiper

PA985 Immunologic tests in diagnosis of tuberculosis infection in children of different age.
Anastasia Starshinova (St.-Petersburg, Russian Federation), Irina Dovgaliuk, Ulia Ovchinnikova, Anna Starshinova, Piotr Yablonskiy

PA986 Airway microbiology in tracheostomised children
Nitin Kapur (Brisbane (QLD), Australia), Dythea McLaren, Marie Chitakis, Hannah Burns

PA987 Microbiology in children with tracheostomy and correlation with clinical outcomes.
Sarita Makam (Market Harborough, United Kingdom), Kamini Jain, Molla Imaduddin Ahmed

PA988 Staphylococcus aureus in children with tracheostomy : Correlation with clinical outcomes
Molla Imaduddin Ahmed (Leicester (Leicestershire), United Kingdom), Sarita Makam, Kamini Jain

PA989 Use of a classification of indications for pediatric tracheostomy in quality improvement (QI)
Ian Mitchell (Calgary (AB), Canada), Candice Bjornson, Marielena Dibartolo, Glenda Bendiak

PA990 Prediction & management of respiratory co-morbidities following congenital tracheoesophageal fistula repair: a multidisciplinary approach
Georgina King (NOTTINGHAM, United Kingdom), Jayesh Mahendra Bhatt, Marie Bolton, Leah Locke, Kirsty Croft, Sandeep S Motiwale, Brian W Davies

PA991 Bacterial features of bacteremia in pediatric patients with pneumonia at Children hospital No. 1, Vietnam
Thu Tran (Hô Chí Minh, Vietnam), Nguyen Phung Nguyen The

PA992 A rising and alarming threat of Staphylococcus aureus Bacteremia in under 5 children
Anubha Jain (Varanasi (Uttar Pradesh), India), Shampa Anupurba, Vineeta Gupta

PA993 Severe acute malnutrition(SAM) as a predictor of mortality in pediatric community acquired pneumonia
Anubha Jain (Varanasi (Uttar Pradesh), India), Shally Awasthi

PA994 NT pro-BNP as a marker of the pneumonia severity in children.
Joanna Lange (Warszawa, Poland), Honorata Marczak, Katarzyna Krenke, Joanna Peradzyńska

PA996 Clinical, laboratory and ultrasound characteristics of different types of community-acquired pneumonia in children
Vojko Berce (Murska Sobota, Slovenia), Maja Tomazin, Brigita Koren, Barbara Lovrenčić

PA997 Managing pediatric pneumonia by following guidelines to decrease the use of concurrent asthma medication.
Ghulam Mustafa (Multan, Pakistan), Irfan Shabbir

PA998 Clinical, microbiological profile and outcome of empyema thoracis in children: A retrospective study from a developing country.
Prawin Kumar (Jodhpur (Rajasthan), India), Chirag Thakur, Sachin Singh, Jagdish Goyal

PA999 Pulmonary hydatid cyst in children
Ikbel Khalfallah (Nabeul, Tunisia), Sabri Hajje, Samia Sbaa, Besma Hamdi, Jamel Ammar, Agnes Hamzaoui

TP-21

Session 117

12:50 - 14:40

Thematic poster: New insights into childhood infections: from viral bronchiolitis to bronchiolitis obliterans

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Physiology Epidemiology Endoscopy and interventional pulmonology Transplantation Respiratory intensive care Pulmonary function testing

Chairs : Marijke Proesmans (Leuven, Belgium), Steve Cunningham (Edinburgh (Scotland), United Kingdom), Paul McNamara (Liverpool (Merseyside), United Kingdom)

- PA1000** **Some aspects of mucosal immune response in children with bacterial upper respiratory tract infections**
Olha Shvaratska (Dnipro, Ukraine), Yuriy Bolbot, Anna Karpenko
-
- PA1001** **The results of a randomized clinical trial of the efficacy of the antibodies-based drug in influenza and acute respiratory viral infections in children**
Andrey Zaplatnikov (Moscow, Russian Federation), Boris Blokhin, Natalia Geppe, Elena Kondurina, Tatyana Voitovitch, Aleksander Sukalo
-
- PA1002** **Viruses in the gut of children with bronchiolitis and viral induced wheeze – further insight into the gut-lung-axis**
Ross Langley (Edinburgh (Edinburgh), United Kingdom), Scott Griffin, Hannah Basten, Joanna Boxall, Kate Templeton, Stefan Unger
-
- PA1003** **Increasing severity of bronchiolitis in children with respiratory syncytial virus A ON1**
Greta Di Mattia (Roma (RM), Italy), Antonella Frassanito, Laura Petrarca, Raffaella Nenna, Giulia Lais, Michela Cascio, Marco Laudisa, Chiara Lenoci, Camilla Bitossi, Carolina Scagnolari, Alessandra Pierangeli, Fabio Midulla
-
- PA1004** **Heterogeneity of bronchiolitis: a clustering approach to identify different endotypes in hospitalized infants**
Laura Petrarca (Roma (RM), Italy), Raffaella Nenna, Antonella Frassanito, Serena Arima, Greta Di Mattia, Alessandra Pierangeli, Erika Marchionne, Carolina Scagnolari, Vincenzo Ferraro, Agnese Viscido, Serena Castaldi, Fabio Midulla
-
- PA1005** **Predicting failure of high flow nasal cannula in bronchiolitis: a systematic review**
Leonie Lewis (Liverpool, United Kingdom), Ricardo Fernandes, Berber Kapitein, Julia Davies, Jennifer Holden, Shrouk Messahel, Ian Sinha
-
- PA1006** **An assessment of the use of palivizumab over 12 years from a Canadian Registry (CARESS).**
Ian Mitchell (Calgary (AB), Canada), Mahwesh Saleem, Abby Li, Monica Ruff, Krista Lanctot, Bosco Paes
-
- PA1007** **Outcomes in a cohort of childhood chronic cough: raised incidence of primary immunodeficiency**
Helen Beckett (Leicester, United Kingdom), Helen Beckett, Vinayak Rai, Caroline Beardsmore, Manjith Narayanan
-
- PA1008** **Exhaled breath temperature in children with chronic cough**
Manuela Seminara (Bergamo, Italy), Michele Ghezzi, Ahmad Kantar
-
- PA1009** **Prevalence and clinical features of protracted bacterial bronchitis in children of the large Russian city of Perm.**
Evgenii Furman (Perm (Perm Krai), Russian Federation), Elena Mazunina, Tatyana Evseenkova
-
- PA1010** **Evaluation of dynamic thiol disulfide homeostasis in children with stable primary ciliary dyskinesia**
Tuğba Şişmanlar Eyuboglu (Ankara, Turkey), Tugba Ramasli Gursoy, Ayse Tana Aslan, Zeynep Reyhan Onay, Salim Neselioglu, Ozcan Erel
-
- PA1011** **Achromobacter xylosoxidans in patients with primary ciliary dyskinesia**
Kim Gjerum Nielsen (Bagsværd, Denmark), June Kehlet Marthin, Helle Krogh Johansen, Kim Gjerum Nielsen
-
- PA1012** **Risk of the developmental delay and behavior problems in preschool-aged primary ciliary dyskinesia patients.**
Pinar Zengin Akkus (ankara, Turkey), Mina Gharibzadeh Hizal, Evin Ilter Bahadur, Elif Nursel Ozmert, Sanem Eryilmaz Polat, Gokce Ozdemir, Sevilay Karahan, Ebru Yalcin, Deniz Dogru Ersoz, Nural Kiper, Ugur Ozcelik
-
- PA1013** **Bronchiolitis obliterans - a review of this rare paediatric respiratory disorder**
Rebecca Thursfield (Liverpool (Merseyside), United Kingdom), Rebecca Thursfield
-
- PA1014** **Respiratory exacerbations in post infectious obliterative bronchiolitis**
Chu-Hai Wong (Sheffield, United Kingdom), William Daw, Kelechi Ugonna, Sonal Kansra
-
- PA1015** **Misdiagnosis of Asthma May Delay the Post Infectious Bronchiolitis Obliterans Diagnosis**
Tuğba Şişmanlar Eyuboglu (Ankara, Turkey), Zeynep Reyhan Onay, Tugba Ramasli Gursoy, Ayse Tana Aslan, Busra Sultan Kibar, Sevgi Pekcan, Melih Hangul, Mehmet Kose, Isil Irem Budakoglu, Bahar Gokturk
-
- PA1016** **Long term follow-up of patients with Bronchiolitis obliterans Syndrome after hematopoietic stem cell transplantation**
Silviija Jerkic (Frankfurt, Germany), Sophie Walther, Martin Beeres, Eva Rettinger, Andrea Jarisch, Peter Bader, Ralf Schubert, Stefan Zielen
-
- PA1017** **Pulmonary alveolar proteinosis due to heterozygous mutation in OAS1: Treatment of a novel disease with whole lung lavages and stem cell transplantation**
Elias Seidl (München, Germany), Thomas Magg, Karl Reiter, Dirk Schramm, Matthias Kappler, Ingo Pawlita, Jan Ripper, Maria Feileke, Jenna Nübling, Julia Ley-Zaporozhan, Ingrid Krüger-Stollfuß, Birgit Kammer, Christoph Walz, Sinmone Reu, Rolfs Meino, Christoph Klein, Fabian Hauck, Matthias Griese

TP-22

Session 118

12:50 - 14:40

Thematic poster: Neonatal and paediatric intensive care

Disease(s) : Respiratory critical care Sleep and breathing disorders

Method(s) : Respiratory intensive care Physiology Cell and molecular biology Epidemiology Public health Imaging General respiratory patient care Pulmonary function testing

Chairs : Anna Lavizzari (Milano (MI), Italy), Katie Hunt (London, United Kingdom), Christopher Harris (London, United Kingdom), Sanja Zivanovic (London, United Kingdom)

- PA1018 Lung ultrasound predicts the need of oxygen therapy and longer hospitalization in infants with acute bronchiolitis**
Anna Rita Cappiello (Bitonto (BA), Italy), Antonio Di Mauro, Nicla Abbondanza, Raffaella Panza, Michele Quercia, Nicola Laforgia, Francesco Paolo Bianchi, Silvio Tafuri, Mariano Manzionna
- PA1019 Aerosol delivery through an endotracheal tube in a model of a spontaneously breathing child.**
Ariel Berlinski (Little Rock, United States of America), Mary Tucker
- PA1020 Adrenocortical state in critically ill infants and children with pneumonia complicated by sepsis and septic shock**
Yasmin Aly (Giza, Egypt), Mona Hafez, Hafez Bazaraa, Hanaa Rady
- PA1021 Predicting physical activity in children born extremely preterm**
Mette Engan (Bergen, Norway), Merete Engeseth, Maria Vollsæter, Thomas Halvorsen, Hege Clemm
- PA1022 Humidified high flow oxygen in paediatrics: who, when and where; a service evaluation**
Christopher Edwards (Leeds (West Yorkshire), United Kingdom), Isobel Page, Izzati Abd Wahab, Jo Lumsden
- PA1023 Short-term effect of surgery for non-idiopathic scoliosis on pulmonary function**
Esther Veldhoen (Driebergen-Rijsenburg, Netherlands), Anneloes De Vries, Joyce Tersmette, Laura Verweij-Van Den Oudenrijn, Erik Hulzebos, Roelie Wosten-Van Asperen, Kors Van Der Ent
- PA1024 Fractional exhaled nitric oxide in preterm-born subjects: A systematic review and meta-analysis.**
Sarah Kotecha (Cardiff (South Glamorgan), United Kingdom), Christopher Course, Sailesh Kotecha
- PA1025 Diuretic use and duration of home oxygen therapy in infants with Bronchopulmonary Dysplasia (BPD)**
Yung Ci Chai (SINGAPORE, Singapore), Jayesh M. Bhatt
- PA1026 Prediction of mortality in newborn infants with severe congenital diaphragmatic hernia using the chest radiographic thoracic area**
Theodore Dassios (Beckenham (Kent), United Kingdom), Kamal Ali, Erica Makin, Ravindra Bhat, Miltiadis Krokidis, Anne Greenough
- PA1027 Effects of non-invasive respiratory support (nCPAP or nBiPAP) application following extubation in preterm babies**
Borko Vekovic (Belgrade (Belgrade), Republic of Serbia), Vesna Vekovic, Zorica Zivkovic, Milena Tomasevic
- PA1028 Assessing airway repair capacity in very preterm infants**
Shannon Simpson (Perth (WA), Australia), Jessica Hillas, Denby Evans, Naomi Hemy, Thomas Iosifidis, Anthony Kicic
- PA1029 Effects of weight gain on preterm infant's lung function.**
Patricia Garcia Marcos Barbero (Cartagena, Spain), Pedro Mondéjar-López, Luis Garcia-Marcos, Manuel Sánchez-Solís
- PA1030 Clinical course following tracheostomy in infancy**
Eleana Kouroukli (Thessaloniki, Greece), Matthew Sharron, Anastassios C. Koumbourlis, Geovanny F. Perez
- PA1031 Early postnatal weight evolution and the development of bronchopulmonary dysplasia**
Kristien Vanhaverbeke (Berchem, Belgium), Annelies Van Eyck, Michiel Voeten, Benedicte De Winter, Kim Van Hoorenbeeck, Stijn Verhulst, Antonius Mulder
- PA1032 Respiratory reactance (Xrs) by Forced Oscillation Technique (FOT) during the first 24h of life in non-intubated preterm infants.**
Anna Lavizzari (Milano (MI), Italy), Chiara Veneroni, Valeria Ottaviani, Beretta Francesco, Claudia Fumagalli, Mariarosa Colnaghi, Fabio Mosca, Raffaele L Dellacà
- PA1033 Target Oximetry in babies with Bronchopulmonary Dysplasia at Cessation of Oxygen Therapy**
Khaing Thu Thu (Nottingham, United Kingdom), Rebecca Devaney, Jayesh Mahendra Bhatt
- PA1034 Development of pathway for transition of patients on long term ventilation from paediatric to adult service**
Kamini Jain (Birmingham (West Midlands), United Kingdom), Helen Hickey, Kay Calvert, Vicky Elliott, Louise Mogford, Francesca Gattoni-Rowland, Charlotte Driver, Alys Scadding

Pediatric home ventilation database an effort to improve treatment – an Italian pilot for Europe.

PA1035 Martino Pavone (Roma (RM), Italy), Alessandro Onofri, Andreas Van Egmond-Fröhlich, Costanza Evangelista, Valeria Caldarelli, Carlo De Pieri, Rosina De Rose, Fulvio Esposito, Stefania Leoni, Marina Pedemonte, Niccolò Nassi, Francesca Patria, Fabrizio Racca, Irene Esposito, Maria Erennia Vitullo, Andrea Michele Wolfler, Elisabetta Bignamini, Renato Cutrera

TP-23

Session 119

12:50 - 14:40

Thematic poster: Epidemiology of childhood respiratory diseases**Disease(s) :** Sleep and breathing disorders Respiratory critical care**Method(s) :** Epidemiology Imaging Pulmonary function testing General respiratory patient care Respiratory intensive care Cell and molecular biology Public health Surgery**Chairs :** Bülent Taner Karadag (Istanbul, Turkey), Daan Caudri (Rotterdam, Netherlands), Claudia E. Kuehni (Bern, Switzerland), Rosalie Mensink-Bout (Rotterdam, Netherlands)**Effect of pneumococcal conjugate vaccination on radiological findings of chest in infants hospitalized with community acquired pneumonia in northern India: a case-control study**

PA1036 Shally Awasthi (Lucknow (Uttar Pradesh), India), Chandra Mani Pandey, Neelam Verma, Chandra Bhushan Kumar, Chittaranjan Roy, Kripanath Mishra, Pankaj Kumar Jain, Rajesh Yadav, Ram Chandra Shukla, Namita Mohindra, Abhishek Chauhan, Monika Agarwal, Neera Kohli

Effects of air pollution on specific causes of infant mortality: population-based study

PA1037 Sarah Kotecha (Cardiff (South Glamorgan), United Kingdom), W John Watkins, John Lowe, Jonathan Grigg, Sailesh Kotecha

Spontaneous pneumomediastinum in healthy adolescents. A real issue of the lung?

PA1038 Dimitris Lioumpas (Athens, Greece), Kalliopi Athanassiadi, Nikolitsa Kalatzi, Christina Balakera, Georgios Benakis, Ilias Samiotis, Ioannis Stamatatos, Giorgios Boulogeorgos, Kostantinos Boumpoulis, Periklis Tomos

Pneumomediastinum in children: a rare entity?

PA1039 Natália Neto Dias (Niterói, Rj, Brazil), Bárbara Neffa, Selma Sias

International consensus guideline for reporting transmission electron microscopy results in the diagnosis of Primary Ciliary Dyskinesia

PA1040 Amelia Shoemark (Dundee (Angus), United Kingdom), Mieke Boon, Christoph Brochhausen, Zuzanna Bukowy-Bieryllo, Maria Margherita De Santi, Patricia Goggin, Paul Griffin, Richard G Hegele, Robert A Hirst, Margaret Leigh, Alison Lupton, Karen Mackenney, Heymut Omran, Jean-Claude Pache, Andreia Pinto, Finn P Reinholdt, Andrew Rutman, Panyiotis Yiallourous, Estelle Escudier

Reducing unnecessary antibiotic use and hospitalization in children with pneumonia

PA1041 Thi Kim Phuong Nguyen (Da Nang, Vietnam), Hoang Tran, Thach Tran, Dominic Fitzgerald, Steve Graham, Ben Marais

Respiratory- and voice symptoms among extremely preterm born children with prolonged ventilator dependency.

PA1042 Merete S. Engeset (Bergen, Norway), Mette Engan, Hege S.H. Clemm, Roy Miodini Nilsen, Maria Vollseter, Thomas Halvorsen, Ola Røksund

Healthcare utilization and costs of pediatric home mechanical ventilation in Canada

PA1043 Mika Nonoyama (Oshawa (ON), Canada), Sherri Katz, Reshma Amin, Douglas Mckim, Denise Guerriere, Peter Coyte, Marina Wasilewski, Brandon Zagorski, Louise Rose

Taking care of parents: Trends in referrals for specialist psychological support for children accessing the long-term ventilation service at Leicester Children's Hospital and their families.

PA1044 Kamini Jain (Birmingham (West Midlands), United Kingdom), Vicky Elliott

Modification of effect between air pollution and lung function by the inflammatory potential of diet: a cross sectional study in children

PA1045 Francisca Castro Mendes (Porto, Portugal), Inês Paciência, João Cavaleiro Rufo, Mariana Farraia, Diana Silva, Pedro Cunha, Luís Delgado, André Moreira, Pedro Moreira

Does asthma treatment still vary by sex in Switzerland?

PA1046 Rebeca Mozun (Bern, Switzerland), Cristina Ardura-García, Myrofora Goutaki, Florian Singer, Philipp Latzin, Alexander Moeller, Claudia E. Kuehni

Evaluation of psychogenic respiratory behaviours in children

PA1047 Hakan Yazan (Istanbul, Turkey), Abdurrahman Cahid Oregul, Erdem Ertaş, Erkan Cakir

Allergic rhinitis co-morbidity as risk factor on lung function parameters recovery after asthma exacerbation

PA1048 Vesna Vekovic (Belgrade, Republic of Serbia), Zorica Zivkovic, Borko Vekovic, Milena Tomašević

PA1049 Allergologic profile of diagnosed and undiagnosed pediatric asthma in Batumi, Georgia
Jan Zejda (Katowice, Poland), Vakhtang Beridze, Tamar Bakhtadze, Sophio Beridze, Lia Abuladze, Naira Partenadze

PA1050 Antibiotic "trends" in hospitalized children with CAP during flu and non-flu seasons
Lina Jankauskaitė (Kaunas, Lithuania), Emilija Tamelyte, Ruta Ceidaite, Laimute Vaideliene

PA1051 Molecular epidemiology of respiratory syncytial virus in hospitalized children in Tunisia
amira jerbi (sousse, Tunisia), Imene Fodha, Meriam Ben Hmida, Haifa Bennour, Imene Ataoui, Mouna Ben Hadj Fredj, Abdelhalim Trabelsi

PA1052 How long do caregivers of children with tracheostomies retain life-saving skills after educational training with simulation?
Jody Platt (Calgary (AB), Canada), Juanita Davis, Karen Kam, Bendiak Glenda, Marielena Dibartolo, Jenny Chatfield, Vince Grant, Adam Cheng, Ian Mitchell

TP-24 Session 120 12:50 - 14:40

Thematic poster: Insights into paediatric bronchology

Disease(s) : **Airway diseases** **Respiratory critical care**

Method(s) : General respiratory patient care Pulmonary function testing Imaging Endoscopy and interventional pulmonology
Respiratory intensive care Surgery Epidemiology

Chairs : Dirk Schramm (Düsseldorf, Germany), Antonella Frassanito (Roma (RM), Italy), Uros Krivec (Ljubljana, Slovenia), Susanne J. H. Vijverberg (Utrecht, Netherlands)

PA1053 Flexible bronchoscopy for foreign bodies in children is a safe procedure ?
Melpomeni Bizhga (Tirana, Albania), Spiro Sila, Evda Vevecka

PA1054 Retrospective evaluation of children with airway and lung abnormalities: a single center experience of one year.
Federica Porcaro (Roma (RM), Italy), Francesca Petreschi, Maria Isabella Petrone, Renato Cutrera

PA1055 Foreign body aspiration in children: A 20 years' experience in a referral center
Alvaro Gimeno Diaz De Atauri (Madrid, Spain), Ruben Martín, María López, Rocio Morante, Jesus Redondo, Leonor Melero, Lara Merino, M^acarmen Luna, M^a Salomé Albi, Juan L. Anton-Pacheco

PA1056 Bronchological examinations in the Neonatal Intensive Care Unit
Lajos Kovács (Budapest, Hungary)

PA1057 Tracheostomy in Children: twenty-year evolution in a tertiary pediatric hospital in Southern Spain.
Mirella Gaboli (Sevilla, Spain), Maria José Moreno Valera, Maria Moreno Ortega, Isabel Delgado Pecellin, Anabelen Rodriguez Cejudo

PA1058 Experience of a tertiary paediatric bronchoscopy service in the UK
Mihaela Diaconu (Sheffield (South Yorkshire), United Kingdom), Hemant Kulkarni

PA1059 The Effects Of Respiratory Viruses on The Acute Pulmonary Exacerbations In Cystic Fibrosis Patients
Mina Gharibzadeh Hizal (Ankara, Turkey), Ebru Yalcin, Alpaslan Alp, Sanem Eryılmaz Polat, Meltem Ozden, Gokcen Tugcu, Deniz Dogru Ersoz, Ugur Ozcelik, Kiper

PA1060 Respiratory follow-up of patients treated with nusinersen
Pinar Ergenekon (Istanbul, Turkey), Cansu Yilmaz Yegit, Ela Erdem Eralp, Yasemin Gokdemir, Gulden Ozturk Thomas, Olcay Unver, Ayca Evkaya, Evrim Karadag Saygi, Dilsad Turkdogan, Bulent Karadag

PA1061 Rationale for use of inhaled steroids in children with bronchiectasis
Konstantinos Douros (Athens, Greece), Olympia Sardeli, Spyros Prountzos, Dafni Moriki, Elpiniki Kartsioni, Afroditi Sakellaropoulou, Angeliki Galani, Gregory Chatziparasidis, Evgenia Efthymiou, Ornella Moschovaki - Zeiger, Efthymia Alexopoulou, Kostas Priftis

PA1062 Comparison of efficacy and safety of fixed-dose combination regimen versus separate drugs for treatment of tuberculosis
Leila Boussoffara (Mahdia, Tunisia), Marwa Ammar, Nadia Boudawara, Soumaya Bouchareb, Imen Touil, Amani Msakni, Jalel Knani

PA1063 Reversible Color Blindness due to Ethambutol in a Pediatric Patient with Pulmonary Tuberculosis
Tuğba Şişmanlar Eyuboglu (Ankara, Turkey), Sevgi Yasar Durmus, Selin Sahin Karamert, Ayse Kaman, Turkan Teke, Fatma Nur Oz, Gonul Tanır

- PA1064 Severe Langerhans Cell Histiocytosis with Pulmonary Involvement**
Nagehan Emiralioglu (Ankara, Turkey), Ozlem Cimen, Mina Gharibzadehhizal, Yagmur Bayindir, Sanem Eryilmazpolat, Dilber Ademhan, Berna Oguz, Diclehan Orhan, Nursun Ozcan, Burca Aydın, Tutku Soyer, Ebru Yalcın, Deniz Dogru, Ugur Ozelik, Nural Kiper
- PA1065 Lane Hamilton Syndrome without gastrointestinal symptoms**
Tuğba Şişmanlar Eyuboglu (Ankara, Turkey), Gulseren Sahin, Nilgun Eroglu, Ali Fettah, Ayla Akca Caglar, Husniye Yucel, Saliha Senel
- PA1066 Pulmonary alveolar microlithiasis**
Mina Gharibzadeh Hizal (Ankara, Turkey), Sanem Eryilmaz Polat, Gokcen Dilsa Tugcu, Altan Gunes, Guzin Cinel
- PA1067 Dysphagia lusoria. Learning Latin**
Pilar Caro Aguilera (Malaga, Spain), Estela Perez Ruiz, Juan Ignacio Zabala Argüelles, Juan Pablo Sanchez Addario, Maria Isabel Martinez Leon, Javier Perez Frias
- PA1068 Utility of flexible fiberoptic bronchoscopy in Neonatal intensive Care Unit**
Ritika Chhawchharia (New Delhi (Delhi), India), Anil Sachdev, Dhiren Gupta, Neeraj Gupta

TP-25

Session 121

12:50 - 14:40

Thematic poster: Minimally invasive thoracic surgery

Disease(s) : Thoracic oncology

Method(s) : Surgery General respiratory patient care Imaging Pulmonary function testing Pulmonary rehabilitation

Chairs : Francesco Sellitri (Plymouth (Devon), United Kingdom), Marco Lucchi (Pisa (PI), Italy), Luca Bertolaccini (Milan, Italy), Antonio Francisco Honguero Martinez (Albacete, Spain)

- PA1069 Extrapleural silicon plombage - a new opportunity of surgery for drug-resistant widespread pulmonary tuberculosis.**
Elena Krasnikova (Moscow, Russian Federation), Lydia Popova, Vilayat Aliev, Ruslan Tarasov, Svetlana Sadovnikova, Mamed Bagirov
- PA1070 Evaluation of the use of biocompatible implants in surgery of the lungs.**
Shukhrat Khudaybergenov (Tashkent, Uzbekistan), Mukhabbat Khalmuratova, Rustem Hayaliev
- PA1071 The Feasibility of Intraoperative Videthoroscopic Ultrasound Probe for Unidentified Pulmonary Nodules**
Cagatay Tezel (Istanbul, Turkey), Ilker Kolbaş, Serdar Evman, Yelda Tezel, Levent Alpaya, Volkan Baysungur
- PA1072 Developing a digital health tool for stopping smoking in the thoracic surgery pathway**
Sebastian Lugg (Birmingham (West Midlands), United Kingdom), Amy Kerr, Salma Kadiri, Alina Budacan, Prince Mannix, Jamie Brown, Robert West, Amanda Farley, Chris Golby, David Thickett, Babu Naidu
- PA1073 What is the proportion of local organizing pneumonia mimicking malignancy in lung resections?**
Serda Kanbur Metin, Sevinç Çitak, Serkan Bayram, Serdar Evman, Ozan Kaya, Abdurrahim Gordebil, Cagatay Tezel, Levent Alpaya, Volkan Baysungur
- PA1074 How does smoking cessation improve the compatibility of Enhanced Recovery After Surgery (ERAS) program**
Yelda Tezel (Istanbul, Turkey), Cagatay Saim Tezel, Serdar Evman
- PA1075 Heimlich valve: from the view of the patient**
Banu Yoldaş (İzmir, Turkey), Özgür Samancılar, Soner Gürsoy, Ahmet Üçvet, Ezgi Güvenç, Mehmet Ünal
- PA1076 Starting a uniportal VATS program - The Bonn experience**
Luca Bertolaccini (Milan, Italy), Benedetta Bedetti, Arianna Rimessi, Philipp Schnorr, Iris Matsanis, Donatas Zalepugas, Marco Scarci, Davide Patrini, Joachim Schmidt
- PA1077 New percs in thoracic surgery; VATS (video assisted thoracic surgery) plication of the diaphragm with stapler device**
Ioannis Karampinis (Athens, Greece), Georgia Hardavella, Dimitrios Katsipoulakis, Anna Tspoura, Dimitrios Isaiadis, Ilias Kainis, Nikolaos Anastasiou
- PA1078 Outpatient management of persistent air leak**
Sara Castillo Acosta (Las Palmas de Gran Canaria, Spain), José Carlos Castillo Acosta, Jorge L. Freixinet Gilart
- PA1079 The risk of surgical emphysema post VATS pleural biopsy and IPC**
Thomas Nicholson (Oxford (Oxfordshire), United Kingdom), Ben Probyn, Samantha Scott, Cyrus Daneshvar, Adrian Marchbank
- PA1080 Video-assisted Thoracoscopic Surgery(VATS) for acute empyema: evaluation of our experience with 39 cases**
HIDEKI MATSUDAIRA (Tokyo, Japan), Ai Ishikawa, Satoshi Arakawa, Yuki Noda, Daiki Kato, Takamasa Shibasaki, Shohei Mori, Takeo Nakata, Hisatoshi Asano, Makoto Yamashita, Jun Hirano, Masaichi Ogawa, Takashi Ohtsuka

PA1081 The preoperative use of stair climbing test to predict postoperative complications in thoracic surgery : A meta analysis
Fairuz Boujibar (Rouen, France), Jean-Marc Baste, Antoine Cuvelier, André Gillibert

PA1082 The importance of sleeve resections preservation of pulmonary reserve in metachronous lung cancers
Cagatay Tezel (Istanbul, Turkey), onur derdiyok, Serdar Evman, Serda Kanbur, Yelda Tezel , Levent Alpay, Volkan Baysungur

PA1083 A rare complication of videothoroscopic surgery; lung herniation
Güntug Batihan (Izmir, Turkey), Demet Yıldız, Kenan Can Ceylan

PA1084 Pulmonary metastases in urogenital cancers; surgical treatment and outcomes
Güntug Batihan (Izmir, Turkey), Kenan Can Ceylan, Seyda Ors Kaya

PA1085 A Twenty one year of experience on Empyema Toracis.
Efsthios Metaxas (Ano Liosia - Athens, Greece), Dimitrios Lioumpas, Ioannis Stamatatos, Emmanuil Kapetanakis, Kalliopi Athanassiadi, Nikolaos Tzatzadakis

TP-26

Session 122

12:50 - 14:40

Thematic poster: General thoracic surgery

Disease(s) : **Airway diseases** **Thoracic oncology**

Method(s) : Surgery Imaging Endoscopy and interventional pulmonology Pulmonary function testing Respiratory intensive care

Chairs : Paolo Macri' (Lamezia Terme (CZ), Italy), Marcello Migliore (Catania (CT), Italy), Kalliopi Athanassiadi (Athens, Greece), Chair to be confirmed

PA1087 Late Breaking Abstract - Pneumonectomy in patients with reduced pulmonary function: complications and 30-day mortality
Camilla Poggi (Rome, Italy), Daniele Diso, Sara Mantovani, Giulio Maurizi, Carolina Carillo, Ylenia Pecoraro, Andreina Pagini, Massimiliano Bassi, Davide Amore, Sara Cagnetti, Emilia Mottola, Tiziano De Giacomo, Erino Angelo Rendina, Federico Venuta, Marco Anile

PA1086 Diagnostic of pleural effusion in HIV-positive patients
Tamila Abu Arqoub (Moscow , Russian Federation), Mikhail Sinityn , Boris Barsky, Dmitrii Plotkin , Mikhail Reshetnikov

PA1088 Analysis of early postoperative complications in patients underwent pneumonectomy for unilateral destructive pulmonary tuberculosis
Igor Vasilev (St. Petersburg, Russian Federation), Ilia Serezvin, Armen Avetisyan, Piotr Yablonskii

PA1089 Usefulness of surgical staging after negative EBUS -staging in patients with lung cancer with clinical N0.
Igor Vasilev (St. Petersburg, Russian Federation), Danila Khmelyar, Ivan Zaitcev, Piotr Yablonskii

PA1090 Surgical management of pulmonary aspergillome: about 84 cases
mariem hadj dahmane, Sarra Zairi, Mouna Attia, Mahdi Abdenadher, Hazem Zribi, Imen Bouassida, Amira Dridi, Aida Ayadi, Amna Brahem, Taher Mestiri, Khawla Ben Miled, Faouzi Mezni, Adel Mrghli

PA1091 Features and management of primary adenoid cystic carcinoma of the trachea
Ines Moussa, Sarra Zairi, Bisma Hamdi , Mahdi Abdennadher, Aida Ayadi , Hazem Zribi, Sonia Ouerghi, Agnes Hamzaoui, Faouzi Mezni, Taher Mestiri, Adel Marghli

PA1092 Plastic of trachea with the formation of a lumen on the T-shaped endoprosthesis in the treatment of patients with scar stenosis and severe comorbidity.
Rustem Hayaliev (Tashkent, Uzbekistan), Shuhrat Khudaybergenov, Otobek Eshonkhodjaev, Sodikjon Abdusalomov

PA1093 Predicted versus observed respiratory parameters after lung resection in different postoperative periods in pulmonary tuberculosis patients
Nina Denisova (Saint-Petersburg, Russian Federation), Larisa Kiryukhina, Natalia Nefedova, Grigorii Kudriashov, Eugeny Sokolovich, Piotr Yablonskii

PA1094 Surgery outcomes of the bronchogenic cysts
hüseyin mestan, Kenan Can Ceylan, Şeyda Örs Kaya

PA1095 Prognostic factors and surgical resection of pulmonary metastases from colorectal cancer
Milos Milojkovic (Niš, Republic of Serbia), Milos Stankovic, Bojan Ilic, Milorad Pavlovic

PA1096 Preoperative assessment for Lung Volume Reduction for emphysema – is a perfusion scan really necessary ?
Georgios Sotiropoulos (London, United Kingdom), Natalie Redgrave, Kelvin Lau, Ewa Nowosinska, Anu Balan, David Andrew Waller

PA1097 Spontaneous Pneumothorax. A twenty seven year experience.
Efstathios Metaxas (Ano Liosia - Athens, Greece), Dimitrios Lioumpas, Ioannis Stamatatos, Emmanuil Kapetanakis, Stylianos Zaragkas, Kalliopi Athanassiadi, Nikolaos Tzatzadakias

PA1098 Clinical experience on uniportal subxiphoid lung resections
Serkan Bayram (Istanbul, Turkey), Cagatay Tezel, Serdar Evman, Serda Kanbur, Aysun Kosif, Volkan Baysungur

TP-27

Session 123

12:50 - 14:40

Thematic poster: Lung transplantation: from bench to bedsideDisease(s) : **Airway diseases** **Respiratory critical care** **Interstitial lung diseases**

Method(s) : Transplantation Public health General respiratory patient care Epidemiology Respiratory intensive care Pulmonary rehabilitation

Chairs : Cécile Robinson (Binz, Switzerland), Are Martin Holm (Oslo, Norway), Stijn Verleden (Leuven, Belgium), Angela Koutsokera (Lausanne, Switzerland)

PA1099 Transplant of trachea in a porcine model with decellularized allografts and regenerated in omentum
Ruben Efraín Garrido Cardona (Ciudad Juarez (Chihuahua), Mexico), Elisa Barrera Ramírez, Edna Rico Escobar, Alejandro Martínez Martínez, Bonifacio Alvarado Tenorio, Alfredo Hernandez, Enrique Vanegas Venegas

PA1100 Lung Donor Knowledge and Management Survey among Health Care Professionals in Argentina
Vanessa Romina Ruiz (Ciudad Autónoma Buenos Aires, Argentina), Alejandro Daniel Midley, Pablo Ezequiel Rodríguez, Susana Bauque, Verónica Morozovsky, Alejandro Gabriel Da Lozzo

PA1101 INCIDENCE RATE OF CORONARY ARTERIOPATHY IN LUNG TRANSPLANT CANDIDATES
Sandra Tello Mena (, Spain), Lucía Huidobro Bringas, Víctor M. Mora Cuesta, K. Fabiola Escobar Ramírez, Sheila Izquierdo Cuervo, Guido E. Andretta Juárez, Joy Selene Osorio Chávez, Marta Cristeto Porras, David Iturbe Fernández, Teresa Díaz De Terán López, Carlos A. Amado Diago, Diego José Ferrer Pargada, Amaya Martínez Meñaca, Beatriz Abascal Bolado, Juan José Ruíz Cubillán, José Manuel Cifrián Martínez

PA1102 Effective prevention of human cytomegalovirus (HCMV) disease in lung transplant recipients (LTR) by pre-emptive therapy based on HCMV monitoring in blood and lung
Davide Piloni (Pavia, Italy), Elisa Gabanti, Monica Morosini, Tiberio Oggionni, Laura Saracino, Valentina Conio, Daniele Lilleri, Federica Meloni

PA1103 Everolimus as a treatment of Chronic Lung Allograft Rejection (CLAD) in lung transplantation.
David Iturbe Fernández (Santander (Cantabria), Spain), Alicia De Pablo Gafas, Karla Fabiola Escobar Ramírez, Fátima Ruiz Sáinz, Virginia Pérez González, Víctor Manuel Mora Cuesta, Sonia María Fernández Rozas, Rodrigo Alonso Moralejo, José Manuel Cifrián Martínez

PA1104 Nutrition-related factors associated with waiting list mortality in patients with interstitial lung disease: a retrospective cohort study
Ayako Oshima (Kyoto, Japan), Ayako Oshima, Akiko Nishimura, Toyofumi Chen-Yoshikawa, Shin-Ichi Harashima, Teruya Komatsu, Tomohiro Handa, Akihiro Aoyama, Koji Takahashi, Masaki Ikeda, Yohei Oshima, Kohei Ikezoe, Susumu Sato, Maki Isomi, Kenichiro Shide, Hiroshi Date, Nobuya Inagaki

PA1106 Incidence and clinical outcome of Influenza infection over the 2017-2018 season in a cohort of lung transplant patients
David Tavares Teixeira Da Silva (Oliveira de Frades, Portugal), Carolina Dantas, Madalena Emiliano, Paulo Barreto, André Almeida, Luísa Semedo, João Cardoso

PA1107 The impact of pre-transplant donor specific anti-HLA antibodies (DSAs) on lung transplant outcome: A single center experience
Shahrazad M. Lari (Mashhad, Islamic Republic of Iran), Michael Y Shino, Ariss Derhovanessian, David M Sayah, Joseph P Lynch, Rajan Saggarr, John Belperio, Abbas Ardehali, David J Ross, Elaine Reed, Sam Weigt

PA1108 Lung transplant outcomes in bronchiectasis –a single center experience
Carolina Duarte Ferreira Dantas (Lisboa, Portugal), Ana Sofia Santos, David Silva, João Eurico Reis, Paulo Calvino, Luisa Semedo, Joao Cardoso

PA1109 Retrospective single centre review of solid-organ malignancy post-lung transplant
Colin Rutherford (Dublin, Ireland), S Winward, I Lawrie, S Towell, P Ging, J Kleinerova, J Egan

PA1110 Pulmonary Alveolar Microlithiasis: From Diagnosis to Transplant: An Indian Experience
Shubham Sharma (Jaipur (Rajasthan), India), Apar Jindal, Vijil Rahulan, Sandeep Attawar, Chinmay Kumar Guru, Adarsh Surendran, Raja Dhar

PA1111 PULMONARY REHABILITATION AFTER LUNG TRANSPLANTATION: DEVELOPMENT OF A PROTOCOL
Stefano Belli (Somma Lombardo (VA), Italy), Elena Paracchini, Iliaria Prince, Davide Cattaneo, Rebecca Gasparoli, Paolo Solidoro, Massimo Boffino, Bruno Balbi

TP-28

Session 124

12:50 - 14:40

Thematic poster: Respiratory function assessment in disease

Disease(s) : **Airway diseases** **Sleep and breathing disorders** **Thoracic oncology** **Interstitial lung diseases**

Method(s) : Pulmonary function testing Pulmonary rehabilitation Physiology Public health Epidemiology General respiratory patient care

Chairs : Monika Franczuk (Warszawa, Poland), Laurie Smith (Sheffield (South Yorkshire), United Kingdom), Peter Coss (Dublin 8, Ireland), Jane Kirkby (Sheffield, United Kingdom)

PA1112 Repeatability of spirometry parameter in patients with chronic pulmonary diseases
Mikhail Chushkin (Moscow, Russian Federation), Lydia Popova, Elena Shergina, Natalya Karpina, Sergey Mandrykin, Oleg Ots

PA1113 Are we using the right parameters to grade a restrictive ventilatory defect?
Joanna Hull (Edinburgh, United Kingdom), Jill Macleod

PA1114 Impulse Oscillometry in Chronic Obstructive Pulmonary Disease
Olga Savushkina (Moscow, Russian Federation), Alexander Cherniak, Evgenij Kryukov, Andrey Zaytsev, Galina Nekludova

PA1115 The prevalence of patients with normal post-bronchodilator spirometry that fulfil the criteria for GOLD mild COPD using ECCS predicted equations
Sara McArthur (Edinburgh (Edinburgh), United Kingdom), Jill Macleod, Kristofor Cuthbert

PA1116 Health related quality of life in patients with dysfunctional breathing referred to a cardiopulmonary exercise testing service.
Julia Rogers (Wrexham, United Kingdom)

PA1117 The role of R5-19 in assessing peripheral airway obstruction.
Rachel Ong-Salvador (Amsterdam, Netherlands), Erica Dijkers, Reindert Van Steenwijk

PA1118 Lung function of idiopathic pulmonary fibrosis: Russian IPF registry (Moscow region)
Alexander Cherniak (Moscow, Russian Federation), Sergey Avdeev, Andrey Belevsky, Svetlana Chikina, Zamira Merzhoeva, Stanislav Terpigorev, Galina Nekludova, Igor Tyurin, Natalia Kravchenko

PA1119 Bronchodilator reversibility - differences between asthma and COPD
Raquel Barros (Lisboa, Portugal), Cláudia Mourato, Khrystyna Budzak, Patrícia Araújo, Ana Sofia Oliveira, João Valença, Cristina Bárbara

PA1120 Comparison of small airways disease measures between frequent and infrequent COPD exacerbators
Kerry Gove (Southampton (Hampshire), United Kingdom), Joy Conway, Kristoffer Ostridge, Karlien H.W Paas, Karl J Staples, Bruce Thompson, Tom Wilkinson

PA1121 What is sufficient duration for a paediatric respiratory sleep study in neuromuscular disorders?
Aidan Laverty (London, United Kingdom), Kylie Russo, Martin Samuels, Francois Abel

PA1123 UTILITY OF INCREMENTAL SHUTTLE WALKING TEST (ISWT) IN PREOPERATORY RISK ASSESSMENT OF LUNG CANCER SURGERY (LCS). A COMPARISON WITH THE CARDIOPULMONARY EXERCISE TEST (CPET)
Abigail Estefany Macias Paredes (Barcelona, Spain), Ana M. Fortuna Gutiérrez, Maria Dolores Luque Toro, Pilar Moros Garcés, Nuria Calaf Sordo, Elisabeth Martinez Tellez, Juan Carlos Trujillo Reyes, Jose Belda Sanchis, Mercedes Mayos Perez

PA1124 Where do we stand with asthma phenotypes derived from data-driven methods? A systematic review
Rita Amaral (Porto, Portugal), Tiago Jacinto, Bernardo Sousa-Pinto, João Fonseca

PA1125 Bioelectrical impedance measurements in COPD patients
Irene Steenbruggen (Zwolle, Netherlands), Mariska Kroon, Hans P. Grotjohan

PA1126 The predictive values of bronchodilator reversibility indicators in asthmatic patients with non-obstructive patterns of spirometry
Tarig Merghani (Ras Al Khaimah, United Arab Emirates)

- PA1127** **Diagnosis of initial mild airway obstruction in the patients with pulmonary tuberculosis by the forced oscillation technique**
Elena M Zhukova (Novosibirsk, Russian Federation), Ludmila Vokhminova
- PA1128** **Reproducibility of crackle counts in Bronchiectasis patients**
Angela Key (Liverpool (Merseyside), United Kingdom), Paul Walker
- PA1129** **Sex differences in lung development of mice with fetal undernutrition**
Kazuki Anabuki (kochi, Japan), Shuzo Komiyama, Hiroshi Onishi, Tetsuya Kubota, Akihito Yokoyama
- PA1130** **Sleep Apnea in Individuals with Respiratory Failure**
Selman celik (Istanbul, Turkey)

TP-29

Session 125

12:50 - 14:40

Thematic poster: Quality, performance and interpretation of lung function testing

Disease(s) : Airway diseases Sleep and breathing disorders Respiratory critical care Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Pulmonary function testing General respiratory patient care Cell and molecular biology Physiology Respiratory intensive care

Chairs : Adrian Hugh Kendrick (Bristol (Avon), United Kingdom), Jason Blonshine (Mason, United States of America), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom)

- PA1131** **How to interpret bronchodilator response (BDR) in children?**
Fatma Guezguez (M'Saken, Tunisia), Hend Knaz, Ichraf Anane, Mohamed Bougrida, Helmi Ben Saad
- PA1132** **DLCO biological controls in clinical practice.**
Gemma Roque (Barcelona, Spain), Maria Palomo, Montse Medina, Jorge Moises, Felip Burgos
- PA1133** **DLco simulations for qualification of DLco devices globally for inhaled levodopa clinical trials.**
Jason Blonshine (Mason, United States of America), Susan Blonshine
- PA1134** **Within session variability of FEV1 and FVC pre- and post-bronchodilation**
James Stockley (Birmingham (West Midlands), United Kingdom), Bethany Coupland, Brendan Cooper
- PA1135** **Parameter estimation of pulmonary function tests (PFTs): Comparison of two body plethysmographs.**
Galina Nekludova (Moscow, Russian Federation), Alexandr Cherniak, Marina Kevorkova
- PA1136** **Verification of flow rate stability in high-flow nasal cannula devices**
Yuto Kido (Hirakata, Japan), Miyuki Okuda, Arata Tabuchi, Nobuya Tanaka, Koji Fukuda, Ryuji Nohara
- PA1137** **Using arm-span instead of height in functional respiratory tests interpretation**
Liliana Raposo (Queijas, Portugal), Ana Valente, Márcia Abreu, Andreia Vaz, Ana Sofia Oliveira, João Valença, Cristina Bárbara
- PA1138** **The timed inspiratory effort index as a weaning predictor: analysis of intra and inter-observer reproducibility**
Leonardo Souza (Rio De Janeiro (RJ), Brazil), Arthur Silva Neto, Leo Ribeiro, Jocemir Lugon
- PA1139** **Heat and water transfers in the bronchi: clinical insights from a theoretical modeling study**
Cyril Karamaoun (Nice, France), Benjamin Sobac, Benjamin Mauroy, Alain Van Muylem, Benoît Haut
- PA1140** **Modelling surface tension effects on mucus transport.**
Benjamin Mauroy (Nice, France), Haribalan Kumar
- PA1141** **Carbon dioxide (CO2) insufflation: a potential source of error in TLCO measurement**
Luke Youngs (Cambridge (Cambridgeshire), United Kingdom), Ben Knox-Brown, Matthew Rutter, Karl Sylvester
- PA1142** **Lung volume vs air flow: a match for shear stresses distribution in the bronchial tree**
Jonathan Stéphanou (Nice, France), Benjamin Mauroy
- PA1143** **Implementing a pulmonary function laboratory (PFL) quality assurance (QA) program across a large health system**
Carl D. Mottram (Rochester, United States of America), Carl Mottram, Katrina M Hynes, Paul D Scanlon
- PA1144** **Differences in forced oscillation between mouthpiece and mask**
Malak Alshlowi (leicester, United Kingdom), Afnan Alraimi, Erol Gaillard, Caroline Beardsmore
- PA1145** **A survey of rest period between spirometry efforts before and after bronchodilator administration**
Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Bethany Coupland, James Stockley

- PA1146** **Does the multi ethnic European Respiratory society /Global lung Initiative (ERS/GLI) 2012 reference reflect the Tunisian population?**
Rim Kammoun (Sfax, Tunisia), Khouloud Kchaou, Malek Chaabouni, Asma Haddar, Hana Trabelsi, Donies Masmoudi, Leila Triki, Hela Zouari, Ines Kammoun, Kaouthar Masmoudi
- PA1147** **ECSC vs. GLI: Which of these spirometric references equations will be more appropriate for a local portuguese adult population?**
Sandra de Jesus Alberto de Carvalho (Vila Franca de Xira, Portugal), Paula Rosa, Anália Clérigo, Carina Silva
- PA1148** **Comparison of spirometry interpretation using GLI2012 and ECSC reference values in Afro-descendants**
Tânia Duarte (Caparica, Portugal), Anália Clérigo, Carina Silva
- PA1149** **The effect of time elapsed since expectoration on sputum eosinophil differential cell counts**
Gael Tavernier (Manchester (Greater Manchester), United Kingdom), Phillipa Aspin, Suzan Ben-Akinduro, Zoya Mehmood, Angela Simpson, Stephen J. Fowler, Robert Niven

TP-30

Session 126

12:50 - 14:40

Thematic poster: New views on testing and training of respiratory muscles

Disease(s) : Respiratory critical care Airway diseases Interstitial lung diseases Thoracic oncology

Method(s) : Pulmonary function testing Pulmonary rehabilitation General respiratory patient care Transplantation Epidemiology Public health

Chairs : Shakila Devi Perumal (Cardiff, United Kingdom), Deniz Inal-Ince (Ankara, Turkey), Daniel Langer (Leuven, Belgium), Cristina Isabel Oliveira Jácome (Viatodos, Portugal)

- PA1150** **Inspiratory muscle training (IMT) in unilateral diaphragmatic dysfunction: case reports**
Mayra Caleffi Pereira (Campinas, Brazil), Sauwaluk Dacha, Dries Testelmans, Rik Gosselink, Daniel Langer
- PA1151** **Effects of different inspiratory muscle training protocols on exercise capacity and respiratory muscle strength in heart failure patients with pacemaker**
Nihan Katayıfçı (Hatay, Turkey), Meral Boşnak Güçlü, Fatih Şen
- PA1152** **Is there difference between two inspiratory muscle training in elderly in prolonged weaning?- Pilot study.**
Ádria Cristina da Silva (Campinas, Brazil), Aurea Ferreira, Rodrigo Tonella, Lígia Ratti, Antônio Falcão, Cláudia Barbosa, Marcos Moreira, Luiz Martins
- PA1153** **Implementation status and barriers to the implementation of inspiratory muscle training in Japan**
Takako Tanaka (Nagasaki, Japan), Ryo Kozu
- PA1154** **DETERMINATION OF EQUATIONS OF THE REFERENCE VALUES FOR THE STATE OF SÃO PAULO POPULATION IN TEST OF INCREMENTAL RESPIRATORY ENDURANCE (TIRE).**
Luciana Malosa Sampaio (São Paulo (SP), Brazil), Umilson Bien, Ivan Peres Costa, Lawrence P Cahalin, Vinícius Luiz Guimarães Sebastião
- PA1155** **Maximal respiratory pressures at functional residual capacity-FRC: test-retest and inter-rater reliability, and comparison to total lung capacity-TLC and residual volume-RV**
Bruna Silveira (Belo Horizonte, Brazil), Manoel Pereira, Daniela Cardoso, Hugo Pereira, Henrique Martins, Verônica Parreira
- PA1156** **Reliability of SNIP test in healthy children from 6-11 years**
Vanessa Resqueti (Natal (RN), Brazil), Ana Aline Marcelino, Guilherme Fregonezi, Maria Lira, Layana Marques, Palomma Araújo
- PA1157** **Systematic review of quality of methodology for SNIP in healthy and disease**
Guilherme Fregonezi (Rio Grande do Norte, Brazil), Marcelle Alaluna Campos, Karina Tamy Kasawara, Elis E.A. Cabral, Ewan C. Goligher, Laurent J. Brochard, Darlene Reid
- PA1158** **Test-retest reliability of respiratory muscle testing in stroke**
Agnieszka Lewko (London, United Kingdom), Stefan Tino Kulnik, Marta Sidaway, Maciej Krawczyk
- PA1159** **Respiratory muscle strength, endurance and oxygen consumption in patients with stable asthma**
Furkan Özdemir (Ankara, Turkey), Meral Bosnak-Guclu, H. Eda Goktas, I. KIVILCIM Oguzulgen
- PA1160** **Lung function, functional capacity, energy cost, and nutritional status in cystic fibrosis with and without inspiratory muscle weakness**
Melda Saglam (Ankara, Turkey), Bengisu Uge, Naciye Vardar-Yagli, Deniz Inal-Ince, Hazal Sonbahar-Ulu, Ebru Calik-Kutukcu, Volga Bayrakci-Tunay, Ugur Ozcelik

- PA1161** **Determinants of Respiratory Muscle Strength in Lung Cancer**
Melda Saglam (Ankara, Turkey), Kübra Kılıç, Naciye Vardar-Yagli, Ebru Calik-Kutukcu, Deniz Inal-Ince, Hulya Arikan, Saadettin Kilickap
- PA1162** **Pulmonary function, respiratory muscle strength and activities of daily life in breast cancer survivors**
Aslihan Cakmak (Ankara, Turkey), Hazal Sonbahar-Ulu, Merve Firat, Naciye Vardar-Yagli, Melda Saglam, Ebru Calik-Kutukcu, Deniz Inal-Ince, Gul Sener, Emin Kansu
- PA1163** **Inspiratory and expiratory muscle strength changes are related to a functional capacity change in hospitalized patients undergoing hematopoietic stem cell transplantation**
Leonardo Barbosa de Almeida (Juiz de Fora, Brazil), Abrahão Elias Hallack Neto, Mateus Camaroti Laterza, Patricia Trevizan Martinez, Daniel Godoy Martinez
- PA1164** **Evaluation of respiratory functions in patients with epileptic seizure**
Irem Hüzmeli (Hatay, Turkey), Özden Gökçek, Hasan Hallaçeli, Ismet Melek
- PA1165** **ANALYSIS OF RESPIRATORY FUNCTION IN PATIENTS WITH MULTIPLE SCLEROSIS**
Tamara Del Corral Nuñez-Flores (Madrid, Spain), Sandra Aguilar Zafra, Almudena De Gabriel Hierro, Noelia Montero González, Ibai López De Uralde Villanueva
- PA1166** **Early age at natural menopause is associated to lower inspiratory muscles strength**
Ingrid Guerra Azevedo (Natal (RN), Brazil), Elizabel Viana, Alvaro Maciel, Silvana Sousa, Saionara Câmara
- PA1167** **Which assessment methods register higher values of peak cough flow in healthy subjects?**
Ana Lista-Paz (A Coruña, Spain), Alba Real Rodríguez, Sergio Sancho Marín, Rodrigo Torres Castro, Luz González Doniz, Sonia Souto Camba
- PA1168** **Comparative analysis of maximal respiratory pressures according to two different protocols**
Ana Lista-Paz (A Coruña, Spain), Sergio Sancho Marín, Alba Real Rodríguez, Sonia Souto Camba, Luz González Doniz, Asenet López García

TP-31

Session 127

12:50 - 14:40

Thematic poster: Exercise and physiotherapy in patients with asthma, cystic fibrosis, bronchiectasis and primary ciliary dyskinesia

Disease(s) : [Airway diseases](#)

Method(s) : Pulmonary rehabilitation General respiratory patient care Public health Pulmonary function testing Respiratory intensive care

Chairs : Jennifer Alison (Killara (NSW), Australia), Beatriz Herrero Cortina (Zaragoza, Spain), Kathleen Grant (Lausanne, Switzerland), Arietta Spinou (London, United Kingdom)

- PA1169** **Work of walking in patients aged 6-12 years with primary ciliary dyskinesia**
Merve Firat (Ankara, Turkey), Meral Bosnak-Guclu, Tugba Sismanlar-Eyuboglu, Ayse Tana Aslan
- PA1170** **Arm functional capacity and activity of daily living in children with primary ciliary dyskinesia and cystic fibrosis**
Hazal Sonbahar Ulu (Ankara, Turkey), Aslihan Cakmak, Deniz Inal Ince, Ebru Calik Kutukcu, Melda Saglam, Naciye Vardar Yagli, Hayriye Ugur Ozcelik
- PA1171** **Impaired arm exercise capacity and increased energy expenditure during activities of daily living in patients with bronchiectasis compared to controls**
Aslihan Cakmak (Ankara, Turkey), Hazal Sonbahar-Ulu, Deniz Inal-Ince, Ebru Calik-Kutukcu, Melda Saglam, Naciye Vardar-Yagli, Lutfi Coplu
- PA1172** **Heart rate recovery after 6-min walk test in people with bronchiectasis. A cross-sectional study**
Juan Antonio Sáez-pérez (Zaragoza (Aragon), Spain), Beatriz Herrero Cortina, Victoria Alcaraz-Serrano, Marina Francín-Serrano, Marta San Miguel-Pagola, Mar Hernández-Secórun, Elena Gimeno-Santos, Antoni Torres, Ane Arbillaga-Etxarri
- PA1173** **Gait Parameters and Functional Balance in Adults with Non-Cystic Fibrosis Bronchiectasis**
Naciye Vardar Yağlı (Ankara, Turkey), Melda Saglam, Deniz Inal-Ince, Ebru Calik-Kutukcu, Merve Firat, Aslihan Cakmak, Lutfi Coplu
- PA1174** **The relationship between cough strength and exercise capacity in patients with bronchiectasis: Pilot study**
Göksel Altinisik (Denizli, Turkey), Ayşenur Yilmaz, Mukaddes Kılınç, Orçin Telli Atalay, Melis Metin, Erhan Uğurlu
- PA1175** **Anxiety, depression, and cough and health related quality of life in bronchiectasis**
Beatriz Andresa da Silva Galli (Ribeirão Preto, Brazil), Daniele Oliveira Santos, Ricardo Grassi Moroli, Maytê Assunção Ribeiro, Ivan Enrique Flores Ottoni, José Antônio Baddini-Martinez, Ada Clarice Gastaldi

- PA1176 Comparison of the effect of aerobic exercise with whole body vibration in patients with bronchiectasis: Single Blind Randomized Controlled Study**
Orçin Telli Atalay (Denizli, Turkey), Ayşenur Yılmaz, Göksel Altınışık, Betül Cengiz, Harun Taşkın, Ali Yalman, Erhan Kızmaz
- PA1177 Rhinosinusitis nasal symptoms among cystic fibrosis adults: a retrospective one year analysis**
Riccardo Guarise (Verona, Italy), Eleonora Masi, Sofia Bizzarri, Beatrice Ferrari, Diletta Innocenti, Giovanni Taccetti
- PA1178 Assessment of motor repertoire and neurodevelopmental level in infants with cystic fibrosis: a follow-up study**
Haluk Tekerlek (Ankara, Turkey), Bilge Nur Yardimci-Lokmanoglu, Akmer Mutlu, Deniz Inal-Ince, Ugur Ozcelik
- PA1179 Association between body function and functional capacity of individuals with difficult-to-control asthma: relationship between the domains of the International Classification of Functioning, Disability and Health.**
Ivan Peres Costa (São Paulo, Brazil), Soraia Micaela Silva, Roberto Stirbulov, João Carlos Ferrari Correa, Luciana Malosá Sampaio
- PA1180 Functional capacity classification of asthmatic individuals according to the International Classification of Functioning, Disability and Health: a proposal of clinical use.**
Ivan Peres Costa (São Paulo, Brazil), Soraia Micaela Silva, Roberto Stirbulov, João Carlos Ferrari Correa, Luciana Malosá Sampaio
- PA1181 A multidisciplinary community-based complex intervention on children with asthma.**
Claire Hepworth (Liverpool (Merseyside), United Kingdom), Andrew Lilley, Lucy Gait, Neil Mingaud, Helen Hannigan, Jenny Fathers, Victoria Wheeler, Ian Sinha
- PA1182 Analysis of motor proficiency and physical capacity of asthmatic children and adolescents: Cross-sectional study**
Josiane Germano Luiz (São Paulo, Brazil), Evelim Evelim Leal De Freitas Dantas Gomes, Maisi Maisi Muniz Cabral David, Carla Carla Lima Feitoza Cavassini, Manoella Manoella Cavalcanti De Andrade, Dirceu Dirceu Costa
- PA1183 Knetic response in heart rate in asthmatic and healthy individuals during endurance shuttle walk test.**
Ivan Peres Costa (São Paulo, Brazil), Michel Silva Reis, Matheus Guedes Fernandes Silva, Henrique De Oliveira Galli, Angela Mendonça, Roberto Stirbulov, Luciana Maria Malosa Sampaio
- PA1184 Psychometric properties of measures of field-based exercise test capacity in individuals with asthma: a systematic review**
Vanessa Resqueti (Natal (RN), Brazil), Lok Li, Roger Goldstein, Dina Brooks
- PA1185 Breath Holding Time in uncontrolled Asthma: associations with key physiological tests and patient-reported outcome measures**
Karen Hjerrild Andreasson (Næstved, Denmark), Soren Thorgaard Skou, Mike Thomas, Uffe Bodtger
- PA1186 Rasch validation of the Asthma Control Questionnaire**
Karen Hjerrild Andreasson (Næstved, Denmark), Uffe Bodtger, Soren Thorgaard Skou, Mike Thomas, Jonathan Comins

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Session 128

12:50 - 14:40

Thematic poster: Exercise tolerance and its determinants across pathologies

Disease(s) : Pulmonary vascular diseases Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : Pulmonary rehabilitation Physiology General respiratory patient care Imaging Transplantation Cell and molecular biology Public health Pulmonary function testing Respiratory intensive care

Chairs : Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Naciye Vardar Ya l (Ankara, Turkey), Roberto Martinez Alejos (Montpellier, France), Lara Edbrooke (Melbourne (VIC), Australia)

- PA1187 Characterization of the metabolic demand of the 6-minute pegboard and ring test (6PBRT) in healthy Brazilian adults**
Vanessa Lima (Diamantina, Brazil), Alenice Fonseca, Lana Mota, Sueli Fonseca, Ana Lacerda, Renato Fleury, Pedro Figueiredo
- PA1188 Energy expenditure and cardiovascular responses to a new Spot Marching Exercise test**
Chatchai Phimphasak (Khon Kaen, Thailand), Chulee Ubolsakka-Jonesa, Jamie Mcphee , David A Jones
- PA1189 A comparison of upper extremity functional exercise capacity and activities of daily living in patients with asthma and chronic obstructive pulmonary disease**
Haluk Tekerlek (Ankara, Turkey), Beyza Nur Karadüz, Ebru Calik-Kutukcu, Aslihan Cakmak, Deniz Inal-Ince, Naciye Vardar-Yagli, Melda Saglam, Cemile Bozdemir-Ozel, Hazal Sonbahar-Ulu, Merve Firat, Hulya Arikan, Gul Karakaya
- PA1190 Physiological and symptomatic responses to arm versus leg activity in people with COPD: a systematic review and meta-analysis**
Erik Frykholm (Umeå, Sweden), Vanessa Pereira Lima, Hanna-Vega Selander, André Nyberg, Tania Janaudis-Ferreira

- PA1191** **A comparison of exercise capacity, physical activity level and balance in COPD patients with and without frailty**
Sezen Ulusoy (Istanbul, Turkey), Deniz Inal-Ince, Aslihan Cakmak, Ebru Calik-Kutukcu, Melda Saglam, Naciye Vardar-Yagli, Haluk Tekerlek, Hazal Sonbahar-Ulu, Cemile Bozdemir-Ozel, Hulya Arikan, Lütfi Coplu
- PA1192** **Muscle oxygenation and hemodynamics after submaximal exercise in different COPD severities**
Fabiano Lima (Presidente Prudente (SP), Brazil), Cosme Buzzachera, Isis Grigoletto, Juliana Uzeloto, Juliano Gabardo, Dionei Ramos, Carlos Augusto Camillo, Ercy Ramos
- PA1193** **Higher chest wall expansion is associated with better functional status of patients with COPD**
Tamara Michalcikova (Holesov, Czech Republic), Katerina Neumannova, Michal Kalina, Jana Mendelova
- PA1194** **Impact of skeletal muscle quality on two-year trajectory of exercise capacity after lung transplantation**
Yohei Oshima (Kyoto, Japan), Susumu Sato, Yuji Yoshioka, Ryota Hamada, Tatsuya Sato, Toyofumi Chen-Yoshikawa, Hiroshi Date, Shuichi Matsuda
- PA1195** **Exercise capacity after lung transplantation: analysis by gender, diagnosis and transplant characteristics**
Maria Dels Angels Cebria I Iranzo (Valencia, Spain), Inés Lacuesta Estarlich, Marie Carmen Valenza
- PA1196** **Functional capacity categorization of individuals with idiopathic pulmonary fibrosis: a proposal to use the qualifiers of the International Classification of Functioning, Disability and Health.**
Carina Nunes (São Paulo (SP), Brazil), Patricia Lira dos Santos, Soraria Micaela Silva, Tatiana Abade Ferreira De Araújo, Ivan Peres Costa, Mariana Silva Lima, João Carlos Ferrari Correa, Luciana Maria Malosá Sampaio
- PA1197** **Physical training and metabolics of nitric oxide in individuals with idiopathic pulmonary arterial hypertension.**
Luciana Malosa Sampaio (São Paulo (SP), Brazil), Aline Marsico, Etiene Teixeira De Carvalho, Vivian Arakelian, Flávia Navarro, Fernanda Consolim, Lawrence Cahalin, Roberto Stirbulov, Ivan Costa
- PA1198** **The incremental shuttle walk test in pulmonary hypertension**
Elif Develi (istanbul, Turkey), Özge Ertan, Goksen Kuran Aslan, Buket Akinci, Nigar Gulfer Okumus
- PA1199** **Maximal exercise capacity pulmonary function and fatigue in lung cancer patients with complete remission**
Zeynep Pelin Dünder (Konya, Turkey), Meral Boşnak Güçlü, Aydın Çiltaş, Mustafa Benekli
- PA1200** **Maximal exercise capacity and related factors in patients with breast cancer**
Naciye Vardar Yağlı (Ankara, Turkey), Melda Saglam, Deniz Inal Ince, Ebru Calık Kutukcu, Hulya Arikan, Gul Sener, Emin Kansu
- PA1201** **Dyspnea is related to reduced functional capacity and skeletal muscle strength in patients prior to autologous hematopoietic stem cell transplantation**
Leonardo Barbosa de Almeida (Juiz de Fora, Brazil), Ingrid Gonze Leite, Abrahão Elias Hallack Neto, Mateus Camaroti Laterza, Patricia Fernandes Trevizan, Daniel Godoy Martinez
- PA1202** **Respiratory muscle strength, exercise capacity, resting oxygen consumption and resting energy consumption relationship with disability level caused by low back pain**
Furkan Özdemir (Ankara, Turkey), Neslihan Durutürk, Melis Cayır
- PA1203** **Late Breaking Abstract - Muscle carnosine in patients with COPD in comparison to age- and gender matched healthy controls: a cross-sectional study**
Jana De Brandt (Diepenbeek, Belgium), Chris Burtin, Frank Vandenabeele, Joseph Aumann, Laura Blancquaert, Inge Everaert, Wim Derave, Martijn Spruit
- PA1204** **Late Breaking Abstract - Effect of Neuromuscular Electrical Stimulation versus Cycle ergometer training in a pulmonary rehabilitation program on exercise capacity, in severe and very severe COPD patients.>**
Loic Peran (Morlaix, France), Marc Beaumont, Catherine Le Ber, Patricia Le Mevel, Anne Cécile Berriet, Emmanuel Nowak, Maëlys Consigny, François Couturaud

TP-33

Session 129

12:50 - 14:40

Thematic poster: Insights into assessment of functional status in respiratory disease patients

Disease(s) : [Airway diseases](#) [Respiratory critical care](#)

Method(s) : Pulmonary rehabilitation Public health Pulmonary function testing Physiology General respiratory patient care Transplantation

Chairs : Samantha Harrison (Middlesbrough (Stockton-on-Tees), United Kingdom), Karina Couto Furlanetto (Londrina (PR), Brazil), Henrik Hansen (Dragør, Denmark), Gerard Munoz Castro (Girona, Spain)

- PA1205** **Minimal clinically important difference using one-repetition maximum in COPD**
Ana Luisa Araújo Oliveira (Vila Nova de Famalicão, Portugal), Patricia Rebelo, Cátia Paixão, Cristina Jácome, Joana Cruz, Carla Valente, Lília Andrade, Dina Brooks, Alda Marques

- PA1206 Cutoff points for the 1-RM test and their association with mortality in COPD.**
Thamyres Spositon (Londrina, Brazil), Antenor Rodrigues, Jéssica Fonseca, Lais Santin, Joice De Oliveira, Juliana Micheleti, Leila Donária, Felipe Machado, Nidia Hernandez, Fabio Pitta, Alda Marques, Karina Furlanetto
-
- PA1207 Frail patients with COPD (grade 2/group B) are at higher risk of falls than non-frail patients with the same disease severity**
Vladimir Koblizek (Hradec Králové, Czech Republic), Katerina Neumannova, Martina Slachtova, Dagmar Dupalova, Eva Volakova, Jaromir Zatloukal, Jana Kocianova, Marek Plutinsky
-
- PA1208 Reproducibility and learning effect of the Glittre ADL-test**
Cintia de Araujo (Porto Alegre, Brazil), Aline Gulart, Anelise Munari, Júlia Zanotto, Bárbara Schneider, Pedro Dal Lago, Anamaria Mayer
-
- PA1209 Step and walk test in patients with COPD and the level of physical activity**
Marina Barusso-Grüniger (Tatuí (SP), Brazil), Nathalia Maria Souza, Marcela Maria Carvalho Silva, Juliano Ferreira Arcuri, Valéria Amorim Pires Di Lorenzo
-
- PA1210 Reference values for seven different protocols of functional tests: a multicentre study**
Karina Couto Furlanetto (Londrina (PR), Brazil), Natielly Beatriz Soares Correia, Andrea Akemi Morita, Thamyres Spositon, Joice Mara Oliveira, Denner Ildemar Feitosa, Mileni Adrielli Pereira Silva, Daniel Pereira Amaral, Ana Caroline Lima Paulo, Natália Gomes Melo, Daniela Gardano Bucharles Mont' Alverne, Daniel Martins Pereira, Rafael Mesquita, Fabio Pitta, Simone Dal Corso
-
- PA1211 An Evaluation Functional Capacity in Relation to Dyspnea and Fatigue, Muscle Strength, and Dynamic Balance in Patients with Liver Transplantation**
Melda Saglam (Ankara, Turkey), Bilge Taşkın, Naciye Vardar-Yagli, Ebru Calik-Kutukcu, Deniz Inal-Ince, Hulya Arikan, Ahmet Bulent Dogrul
-
- PA1212 Identification of functional phenotypes in people with COPD: influence of postural balance, physical activity, sedentary behaviour and quadriceps muscle strength**
Rafaella Xavier (São Paulo (SP), Brazil), Ana Carolina Caporali, Aline Lopes, Cristino Oliveira, Frederico Fernandes, Rafael Stelmach, Regina Carvalho Pinto, Alberto Cukier, Celso Carvalho
-
- PA1213 Is the six-minute stepper test valid to evaluate functional capacity in hospitalised patients with exacerbated COPD?**
Diego Britto Ribeiro (São Bernardo do Campo, Brazil), Aline Carleto Terrazas, Christina May Moran De Brito, Wellington Pereira Yamaguti
-
- PA1214 Performance-Based Functional Assessment predicts length of hospital stay in pneumonia inpatients**
Irene Torres Sanchez (Santa Fe, Spain), Concepción Morales-García, Ignacio Casado-Moreno, Laura López-López, Araceli Ortiz-Rubio, Marie Carmen Valenza
-
- PA1215 Correlation between World Health Disability Assessment Schedule (Whodas) 2.0 and six minutes walk test.**
Marcela Maria Carvalho da Silva (São Carlos, Brazil), Rafaela Sakumotu Lozano, Natalia Duarte Pereira, Kamilla Tays Marrara Marmorato, Nathalia Maria De Souza, Francisco José Barbosa Zorrer Franco, Gabriela Carreri Vergamini, Juliano Ferreira Arcuri, Valéria Amorim Pires Di Lorenzo
-
- PA1216 Minimal clinically important difference for measures of fatigue, cough and sputum**
Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Patrícia Filipa Sobral Rebelo, Ana Oliveira, Cátia Paixão
-
- PA1217 Determination of the MID of Dyspnea-12 questionnaire in COPD patients, after pulmonary rehabilitation.**
Marc Beaumont (Morlaix, France), Mélanie Le Garrec, Loïc Péran, Anne-Cécile Berriet, Catherine Le Ber, Romain Pichon, Michel Cabillie
-
- PA1218 Pulmonary Rehabilitation Adapted Index of Self-Efficacy (PRAISE) validated to Portuguese respiratory patients**
Catarina Duarte Santos (Almada, Portugal), Ana João Santos, Margarida Santos, Fátima Rodrigues, Cristina Bárbara
-
- PA1219 Psychosocial adjustment profile is related to functional status at long term in COPD patients**
Maria Granados Santiago (Alcaudete, Spain), Andrés Calvache Mateo, Ramón Romero Fernández, Janet Rodríguez Torres, Laura López López, Marie Carmen Valenza
-
- PA1220 Relationship between caregivers' burden, functional disability and quality of life in COPD patients.**
Ramón Romero Fernández (Granada, Spain), María Granados Santiago, Isabel Morón Carrillo, Janet Rodríguez Torres, Andrés Calvache Mateo, Marie Carmen Valenza
-
- PA1221 The influence on patients with COPD by the difference of social functioning**
Yutaro Oki (Kobe, Japan), Akira Tamaki, Yukari Fujimoto, Kanji Yamada, Atsuki Nozaki, Mariko Fujita, Hiromi Kaneko, Yuriko Ishibashi, Akio Yamamoto, Mineko Ohira, Akira Ishikawa
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- PA1222 Applicability of the Arabic version of the quality of life (QOL) questionnaire (VQ11) in Tunisian patients with COPD**
Hend Knaz (Sousse, Tunisia), Ichraf Anane, Fatma Guezguez, Helmi Ben Saad

- PA1223** **Evolution on pressure pain perception during hospitalization in COPD Acute Exacerbation**
Maria Granados Santiago (Alcaudete, Spain), Ramón Romero Fernández, Eva Natalia López Pérez, Janet Rodríguez Torres, Laura López López, Marie Carmen Valenza

TP-34 **Session 130** **12:50 - 14:40**

Thematic poster: Oxygen supplementation, noninvasive ventilation and mobility aspects of patients with impaired respiration

Disease(s) : **Airway diseases** **Respiratory critical care** **Interstitial lung diseases**

Method(s) : General respiratory patient care Pulmonary rehabilitation Pulmonary function testing Respiratory intensive care

Chairs : Margareta Emtner (Uppsala, Sweden), Clancy Dennis (Canberra (ACT), Australia), Maria Koulopoulou (London, United Kingdom), Andre Nyberg (Umeå, Sweden)

- PA1224** **Effect of Olfactory Stimulation by L-menthol on Sensory and Affective Dimension of Dyspnea During Inspiratory Resistive Loaded Breathing in COPD**
Masashi Kanezaki (Himeji, Japan), Kumihiko Terada, Satoru Ebihara

- PA1225** **Benefits of supplemental oxygen on exercise capacity in IPF patients without exercise-induced hypoxemia**
Shinichi Arizono (Hamamatsu (Shizuoka), Japan), Yasuhiro Kondoh, Tomoki Kimura, Kensuke Kataoka, Tomoya Ogawa, Fumiko Watanabe, Jun Hirasawa

- PA1226** **Effective delivery of ambulatory oxygen in interstitial lung disease- a crossover trial**
Mariana Hoffman (Belo Horizonte (MG), Brazil), Christine McDonald, Tamera Corte, Daniel Chambers, Magnus Ekstrom, Ian Glaspole, Nicole Goh, Anne Holland

- PA1227** **Comparing the efficacy of a portable oxygen concentrator versus a liquid oxygen portable device in the promotion of physical activity and quality of life in patients with Cystic Fibrosis.**
Luigi Graziano (Anzio (RM), Italy), Dario Ascitti, Daniela Savi, Marco Rivolta, Irene Turinese, Stefano Schiavetto, Tamara Perelli, Serenella Bertasi, Donatella Valente, Paolo Palange

- PA1228** **Clinical impact of the High Flow Nasal Cannula in the treatment of asthma crisis in children and adolescents. A pilot study**
Josiane Germano Luiz (São Paulo, Brazil), Maisi Muniz Cabral David, Evelim Leal De Freitas Dantas Gomes, Carla Lima Feitoza Cavassin, Manoella Cavalcante De Andrade, Dirceu Costa

- PA1229** **Comparison of continuous versus various demand oxygen delivery systems during standardized walking in COPD – a single-blinded, randomized, cross-over study**
Rainer Gloeckl (Schoenau am Koenigssee, Germany), Inga Jarosch, Tessa Schneeberger, Claudia Fiedler, Melody Lausen, Julian Weingartner, Wolfgang Hitzl, Remberg Koczulla, Klaus Kenn

- PA1230** **Oxygen flowmeters: accuracy and precision in adult care.**
José Roberto De Brito Jardim (São Paulo (SP), Brazil), Amanda Pagliocchi, Josy Davidson, Mariana Gazzotti, Amaro Oliveira, Oliver Nascimento

- PA1231** **Accuracy and precision of oxygen flowmeters used in neonatal and pediatric care**
Luciana Chiavegato (São Paulo (SP), Brazil), Amanda Pagliocchi, Josy Davidson, Mariana Gazzotti, Amaro Oliveira, Oliver Nascimento, José Jardim

- PA1232** **The effect of non-invasive ventilation (NIV) during exercise on inspiratory capacity (IC) and endurance time (Tlim) in patients with severe COPD**
Clancy Dennis (Canberra (ACT), Australia), Collette Menadue, Tessa Schneeberger, Daniela Leidl, Rainer Glöckl, Alison R Harmer, Ursula Schönheit-Kenn, Andreas Rembert Koczulla, David Barnes, Klaus Kenn, Jennifer A Alison

- PA1233** **Non-invasive ventilation and endothelial function in acute exacerbations of chronic obstructive pulmonary disease (COPD) patients**
Renata Mendes (Sao Carlos (SP), Brazil), Alessandro Heubel, Erika Kabbach, Aline Agnoletto, Anna Claudia Sentanin, Valeria Pires Di Lorenzo, Audrey Borghi-Silva

- PA1234** **Health status and physical activity after discharge due to pleural effusion**
Irene Torres Sanchez (Santa Fe, Spain), Janet Rodríguez-Torres, Javier Valenzuela-Canovaca, Irene Cabrera-Martos, Ramón Romero-Fernández, Marie Carmen Valenza

- PA1235** **Prevalence of sarcopenia in chronic respiratory hospitalized patients**
Irene Torres Sanchez (Santa Fe, Spain), Araceli Ortiz Rubio, Janet Rodríguez Torres, Laura López López, Ramón Romero Fernández, Marie Carmen Valenza

- PA1236 Association between admission skeletal muscle and functional independence measure at discharge in elderly patients with pneumonia**
Kanji YAMADA (Kobe, Japan), Yutaro Oki, Yukari Fujimoto, Yuji Mitani, Yohji Yamada, Mariko Fujita, Kentaro Iwata, Akira Ishikawa
- PA1237 Hospitalization repercussion in elderly functionality and mobility after discharge**
Luciana Chiavegato (São Paulo (SP), Brazil), Ana Carolina Lustosa
- PA1238 Cardiorespiratory response and symptoms induced by the six-minute stepper test in hospitalised patients with exacerbated COPD**
Diego Britto Ribeiro (São Bernardo do Campo, Brazil), Aline Carleto Terrazas, Christina May Moran De Brito, Wellington Pereira Yamaguti
- PA1239 Are ICU patients susceptible to poor recovery outcomes including physical inactivity and heightened community falls risk? Preliminary results**
Selina M Parry (Parkville (VIC), Australia), Catherine L Granger, Peter E Morris, Jane Larkin, Daniel G Jenkins, Lisa J Beach, Linda Denehy
- PA1240 What are the challenges post hospitalisation for ICU patients living in the community setting? A qualitative enquiry**
Selina M Parry (Parkville (VIC), Australia), Emma G Kinnersly, Linda Denehy, Jane Larkin, Lisa J Beach, Nicole K Elsegood, Catherine L Granger
- PA1241 Creation of tool for identification of severity Physiotherapy for planning of care in an adult intensive care unit**
Elisa Cristina Wendland Santos (Porto Alegre (RS), Brazil), Bilianderson Alves, Guilherme Maia, Natalia Maia
- PA1242 Physiotherapists' perceptions and real critical patients' mobility measurements**
Luciana Chiavegato (São Paulo (SP), Brazil), Marcella Musumeci, Natália Ricci, Ricardo Kenji Nawa

TP-35

Session 131

12:50 - 14:40

Thematic poster: Breathing, posture and physical activity in respiratory disease patients

Disease(s) : Airway diseases Sleep and breathing disorders Respiratory critical care Pulmonary vascular diseases

Method(s) : Pulmonary rehabilitation General respiratory patient care Pulmonary function testing Imaging Endoscopy and interventional pulmonology Public health Surgery

Chairs : Victoria Alcaraz Serrano (Barcelona, Spain), Zafeiris Louvaris (Leuven, Belgium), Joana Cruz (Leiria, Portugal), Heleen Demeyer (Leuven, Belgium)

- PA1243 The effect of endoscopic lung volume reduction on functional outcomes in patients with severe emphysema.**
Astrid Blondeel (Leuven, Belgium), Christophe Doods, Karen Denaux, Heleen Demeyer, Thierry Troosters, Johan Coolen, Dirk Van Raemdonck, Geert Verleden, Wim Janssens
- PA1244 Needs and expectations of smartphone apps features for enhancing physical activity in patients with COPD**
Joana Cruz (Leiria, Portugal), Sofia Flora, Liliana A. Santos, Nádia Hipólito, Alda Marques, Ana Oliveira, Nuno Morais, José Ribeiro, Fernando Silva
- PA1245 Relationship between distress and physical activity in informal carers of patients with COPD**
Joana Cruz (Leiria, Portugal), Nádia Hipólito, Adriana Ruivo, Sara Martins, Sofia Flora, Alda Marques, Dina Brooks, Cândida G. Silva, Filipa Januário
- PA1246 Active, sedentary and sleep behaviours in COPD: longitudinal associations with symptoms and quality of life (QoL) using a compositional approach**
Hayley Lewthwaite (Montreal (QC), Canada), Tim Olds, Marie T Williams, Tanja W Effing, Dorothea Dumuid
- PA1247 OBSTACLE OF PHYSICAL ACTIVITY AND ACTIVITIES OF DAILY LIVING IN PATIENTS WITH COPD: DYSPNEA RELATED KINESIOPHOBIA**
Hikmet Uçgun (Istanbul, Turkey), Hülya Nilgün Gürses, Seda Saka, Melih Zeren, Mehmet Bayram
- PA1248 MONITORING PHYSICAL ACTIVITY IN CARDIAC AND RESPIRATORY PATIENTS WITH THE ACCELEROMETER FITBIT ALTA HR®**
Stefano Belli (Somma Lombardo (VA), Italy), Riccardo Borghi, Davide Cattaneo, Gloria Savio, Iliaria Prince, Claudio Marcassa, Bruno Balbi
- PA1249 Physical activity in daily life as a vital sign of general physical condition on chronic respiratory patients**
Catarina Duarte Santos (Almada, Portugal), Fátima Rodrigues, Rui César Das Neves, Cristina Bárbara
- PA1250 Gait speed is associated with physical activity in patients with Chronic Obstructive Pulmonary Disease**
Akira Tamaki (Kobe, Japan), Mio Koizumi, Hiroshi Tamura

- PA1251** **The cut-off value of physical activity associated with mortality in patients with chronic obstructive pulmonary disease**
Atsuyoshi Kawagoshi (Akita, Japan), Noritaka Kiyokawa, Masahiro Iwakura, Kazuki Ohkura, Kazuyuki Shibata, Keiyu Sugawara, Hitomi Takahashi, Masahiro Satake, Takano Shioya
- PA1252** **Kinematics of the toracoabdominal complex at rest and after Glittre ADL test on obese individuals.**
Aldenice Capeletti (Botucatu (SP), Brazil), Manoella Cavalcante de Andrade, Evelim Leal De Freitas Dantas Gomes, Carla Lima Feitosa Cavassini, Maisi Muniz Cabral David, Josiane Germano Luiz, Dirceu Costa
- PA1254** **Maximal voluntary ventilation should not be estimated from FEV1 in COPD patients and healthy**
Matías Otto-Yáñez (Santiago, Chile), Antonio Sarmento, Palomma Russelly Saldanha Araújo, Catherinne Farías, Rodrigo Torres-Castro, Armele De Fátima Dornelas De Andrade, Vanessa Resqueti, Guilherme Fregonezi
- PA1255** **Increasing dyspnea boosts up neurological response during breath holding test**
Maki Tanaka (Shizuoka, Japan), Kazuhiro Kimpara, Yuichi Tawara, Shinichi Arizono
- PA1256** **Effect of yogic breathing exercise on quality of sleep in patient with chronic obstructive pulmonary disease**
amrit kaur, Mahesh Mitra
- PA1257** **Correlation between functional and morphological airways indexes in bronchiectasis subjects**
Daniele Oliveira dos Santos (Ribeirão Preto, Brazil), Jessica Perossi, Larissa Perossi, Ricardo Moroli, Mayte Assunção, Leticia Simoni, Jose Antonio Baddini-Martinez, Marcel Koenigkam Santos, Ada Clarice Gastaldi
- PA1258** **EXPIRATORY FLOW LIMITATION BY IMPULSE OSCILLOMETRY SYSTEM EVALUATION IN SEVERE OBESITY WOMEN**
Daniele Oliveira dos Santos (Ribeirão Preto, Brazil), Larissa Perossi, Jéssica Perossi, Maytê Assunção, Ricardo Moroli, Wilson Salgado Jr, Ada Gastaldi
- PA1259** **Late Breaking Abstract - Objective physical activity as a clinical trial outcome in patients with COPD: a view on the literature from a task force of experts in the field**
Chris Burtin (Diepenbeek, Belgium), Divya Mohan, Thierry Troosters, Debora Merrill, Alan Hamilton, Stephen Rennard, Malin Fageras, Norbert Metzendorf, Stefano Petruzzelli, Ruth Tal-Singer, Frank Scieurba, Richard Casaburi, William Man, Heleen Demeyer, Martijn Spruit, Anouk Vaes
- PA1260** **Late Breaking Abstract - Use of a simple telecoaching pulmonary rehabilitation protocol for COPD patients.**
Leticia Leal (Araruama, Rio de Janeiro, Brazil), Danielle Gonçalves, Joanna Azevedo, Paulo Victor Mazeika, Welerson Mendonça, Filipe Reis, Rayana Nascimento, Yves De Souza

TP-36

Session 132

12:50 - 14:40

Thematic poster: Nursing care across the spectrum of respiratory illnesses

Disease(s) : [Airway diseases](#) [Respiratory critical care](#) [Thoracic oncology](#) [Sleep and breathing disorders](#)

Method(s) : Public health General respiratory patient care Respiratory intensive care Imaging Cell and molecular biology Pulmonary rehabilitation Epidemiology Surgery

Chairs : Andreja Sajnic (Zagreb, Croatia), Katleen Leceuvre (Kessel-Lo, Belgium), Caroline Stridsman (Luleå, Sweden), Janelle Yorke (Manchester (Greater Manchester), United Kingdom)

- PA1261** **A qualitative hermeneutic phenomenological research among respiratory nurses (Rsn) in Spain to understand the lived experience of their profession**
Silvia Arranz Alonso (Madrid, Spain), Sonia Parra Cordero
- PA1262** **The National Asthma and COPD Audit Programme in East Kent Hospitals University NHS Foundation Trust – The first year**
Angela Scott (Kingston 6, Jamaica), Samantha Halliwell, Heidi Groombridge
- PA1263** **Uncontrolled asthma on GINA step 4-5 treatment increases healthcare utilization – report from the population-based OLIN-studies**
Caroline Stridsman (Luleå, Sweden), Helena Backman, Linnea Hedman, Eva Rönmark
- PA1264** **MATERNAL CONSUMPTION OF TOBACCO AND PREGNANCY**
Lidia Perera Lopez (Madrid, Spain), Raquel Solano Garcia-Tenorio, Teresa Lopez Ruiz, Auxiliadora Calatrava Romero, Asunción Martín Hernández, Margarita Izquierdo Nazar, Joaquín Salamanca Blanco, Julio César Vargas Espinal, Paz Vaquero Lozano, Angela Gomez Del Aguila
- PA1265** **Barriers and facilitators at attending mindfulness-based intervention programs of people with COPD. A systematic qualitative review**
Marco Clari (Torino (TO), Italy), Roberto Fontanella, Dhurata Ivziku, Valerio Dimonte, Maria Matarese

- PA1266 Low maximum inspiratory flow index in patients with inhaler therapy**
Walther Ivan Giron Matute (Madrid, Spain), Margarita Hernández Yáñez, Rosa María Rojas Moreno-Tomé, María Gallardo Bermejo, María Del Carmen Suarez Rubio, Luis Puente Maestu
- PA1267 Chest drainage in clinical practice - how much do we think we know?**
Ana Savovic (Zagreb, Croatia), Ana Savovic, Sindi Novoselec, Danijela Pikija, Ivana Zubak, Tanja Kit
- PA1268 Is it possible to find a predictor for detecting early signs of an COPD-exacerbation with LT-NIV patients?**
Bettina Pedersen (Faaborg, Denmark), Kirsten Hald Nielsen, Grete Bøgesvang, Helle Struwe Bødker, Britta Aaes, Hanne Svenningsen, Anne Dichmann Sorknæs
- PA1269 A new regional multidisciplinary clinic for children with difficult asthma**
Lynsey Brown (Liverpool, United Kingdom), Victoria Worrall, Andrew Lilley, Rebecca Thursfield, Christopher Grime, Claire Hepworth, Lucy Gait, Calum Semple, Christine Doyle, Neil Mingaud, Ian Sinha
- PA1270 The success of obtaining the induced sputum of patients with COPD**
Valentina Fiket (Zagreb, Croatia), Ana Savovic
- PA1271 Care left undone in patients with chronic respiratory diseases admitted to medical wards: an observational study**
Annamaria Bagnasco (Genova (GE), Italy), Gianluca Catania, Milko Zanini, Silvia Rossi, Nicoletta Dasso, Giuseppe Aleo, Loredana Sasso
- PA1272 Validity and Reliability of Turkish Version of Reaction Type Scale against COPD**
Nurdan Köktürk (Ankara, Turkey), Nermin Gürhan, Selma Aydoğan, Ülkü Polat, Emel Gür, Burak Şirin, Hakan Günen
- PA1273 Reducing COPD related readmission rates at Royal Stoke University Hospital (RSUH), UK: a Quality Improvement Project.**
Manoj Marathe (Stoke, United Kingdom), Karen Leech, Helen Stone, Imran Hussain
- PA1274 Lung sliding detection by nurses: impact of a short focused theoretical training**
Silvia Mongodi (Pavia, Italy), Silvia Bonaiti, Erminio Santangelo, Andrea Stella, Rosanna Vaschetto, Paola Borrelli, Attilio Quaini, Giuseppina Grugnetti, Anna Maria Massara, Anna Maria Grugnetti, Francesco Mojoli
- PA1275 Asthma and chronic obstructive pulmonary disease training in an online environment: a new response to a growing problem**
Teresa Demetriou (Wellington, New Zealand), Elizabeth Asbury, Georgina Orsborn
- PA1276 A home ventilation nursing and allied health professional network**
Alison Armstrong (Newcastle upon Tyne (Tyne and Wear), United Kingdom)
- PA1277 Innovation in Nursing education - ECare-COPD. Self-management promotion in people with COPD.**
Miguel Padilha (Porto, Portugal), Ana Ribeiro, José Ramos, Paulo Machado
- PA1278 Impact of a nurse-led intervention on the capacity for self-care of the person with Chronic Obstructive Pulmonary Disease - Systematic Review of Literature**
Miguel Padilha (Porto, Portugal), Marlene Pereira, Filipa Moreira, Paulo Machado
- PA1279 Sociodemographic and clinical characterization of patients users of prolonged domestic oxygen therapy**
Carina Grespi Bueno (Votuporanga, Brazil), Danilo Augusto Ferrari Dias, Nicole Maria Miyamoto Bettini, Daniela De Lira Eiras Domene, Luiz Henrique Soares Machado, Estefania Aparecida Thome Franco, Ilda De Godoy

TP-37

Session 133

12:50 - 14:40

Thematic poster: Translational aspects of idiopathic interstitial pneumonia**Disease(s) :** [Interstitial lung diseases](#) [Airway diseases](#)**Method(s) :** Cell and molecular biology Pulmonary function testing General respiratory patient care Physiology**Chairs :** Malgorzata Wygrecka (Gießen, Germany), Carlo Vancheri (Catania (CT), Italy), Nicolas Kahn (Heidelberg, Germany), Manuela Funke-Chambour (Bern, Switzerland)

- PA1280 Transcriptome profiling reveals the complexity of pirfenidone effects in IPF.**
Malgorzata Wygrecka (Gießen, Germany), Grazyna Kwapiszewska, Anna Gungl, Jochen Wilhelm, Leigh M. Marsh, Helene Thekkekara Puthenparampil, Katharina Sinn, Miroslava Didiasova, Walter Klepetko, Djuro Kosanovic, Ralph T. Schermuly, Lukasz Wujak, Benjamin Weiss, Liliana Schaefer, Marc Schneider, Michael Kreuter, Andrea Olschewski, Werner Seeger, Horst Olschewski

- PA1281 Characterization of Mesenchymal Stem Cells obtained from human lungs with and without Idiopathic Pulmonary Fibrosis**
Andreas Jahn (Palma De Mallorca, Spain), Carlos Rio, Ana Montes, Pere Joan Pont, Josep Mercader, Julio Velasco, Cristina Gómez, Cristina Villena, Ángel Francisco Carvajal, Orlando Gigirey, Maria Molina, Ernest Sala

- PA1282 Comparison of in-vitro anti-fibrotic effects of pirfenidone and nintedanib**
Honggang Zhou (Tianjin (Tianjin), China), Wenhua Gan, Kai Huang, Ziwei Lv, Shaoyan Gao, Chengcheng Su, Xiaohe Li
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- PA1283 Growth hormone releasing hormone receptor (GHRH-R) antagonist MIA-602 modulates fibrosis and gene expression in lungs of bleomycin-treated mice**
Robert M. Jackson (Miami, United States of America), Chongxu Zhang, Gaetan Delcroix, Tengjiao Cui, Xianyang Zhang, Mehdi Mirsaedi, Aaron Lazerson, Andrew Schally
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- PA1284 Pulmonary fibrosis modulation by mesenchymal stem cells and conditioned medium**
Renato Goncalves Felix (Bariri, Brazil), Ana Livia Carvalho Bovolato Carvalho Bovolato, Patricia Dos Santos Leão Dos Santos Leão, Márjorie De Assis Golim De Assis Golim, Walcy Rosolia Teodoro Rosolia Teodoro, Alexandre Todorovic Fabro, Elenice Deffune, Vera Luiza Capelozzi
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- PA1285 Cigarette Smoke Extract Promotes Human Lung Myofibroblast Differentiation by the Induction of Endoplasmic Reticulum Stress**
Min Song (Changsha, China), Hong Peng, Wei Guo, Man Luo, Wang Duan, Ping Chen, Yong Zhou
-
- PA1286 Dual aVB6/aVB1 inhibitor PLN-74809 blocks multiple TGF- β activation pathways associated with IPF**
Martin Decaris (South San Francisco, United States of America), Martin Decaris, Johanna Schaub, Chun Chen, Jake Cha, Maureen Reilly, Gail Lee, Megi Rexhepaj, Vikram Rao, Prerna Kotak, Lisa Hooi, Jianfeng Wu, Shamra Martin, Tony Chen, Manuel Munoz, Nicole Cooper, Timothy Hom, Katerina Leftheris, Patrick Andre, Eduard Gorina, Eric Lefebvre, Scott Turner
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- PA1287 Cadmium exposure, citrullinated vimentin and lung fibrosis. Veena B. Antony1MD, Ranu Surolia1, PhD, A. Brent Carter1, MD, and Fu Jun Li1MD, PhD. University of Alabama at Birmingham, Birmingham, AL, USA**
Veena Antony (Birmingham, United States of America), Ranu Surolia, A Brent Carter, Fujun Li
-
- PA1288 TRPA1 ion channel expression in human lung myofibroblasts**
Harvinder S Virk (Leicester (Leicestershire), United Kingdom), E Castells, V Bowman, C Feghali-Bostwick, Y Amrani, P Bradding, Katy Roach
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- PA1289 Role of transient receptor potential vanilloid 4 in the therapeutic antifibrotic effects of pirfenidone**
Koji Kuronuma (Sapporo, Japan), Mitsuo Otsuka, Masato Wakabayashi, Takeshi Yoshioka, Yasuhide Morioka, Tomofumi Kobayashi, Masami Kameda, Hirofumi Chiba, Hiroki Takahashi
-
- PA1290 Antifibrotics modulate B lymphocyte activation resulting in a decrease of the profibrotic milieu in patients with pulmonary fibrosis**
Ashley Egan (Rochester, United States of America), Mohamed Ali, Gaja Shaughnessy, Harika Dasari, Virginia Van Keulen, Tobias Peikert, Eva Carmona Porquera
-
- PA1291 Interstitial lung disease related surfactant protein-C mutations alter the transcriptome and progenitor cell function of alveolar epithelial cells in mice**
Jeremy Katzen (Philadelphia, United States of America), Alessandro Venosa, Yaniv Tomer, Meghan Kopp, Michael Morely, Avantika Diwadkar, Edward Morrissey, Blanca Himes, Surafel Mulugeta, Michael Beers
-
- PA1292 The cross-talk between TGF- β and periostin can be targeted for pulmonary fibrosis**
Yasuhiro Nanri (Saga, Japan), Satoshi Nunomura, Yasuhiro Terasaki, Tomohito Yoshihara, Yusuke Hirano, Yasuyuki Yokozaki, Keiichi Ajito, Shoichi Murakami, Simon J. Conway, Kenji Izuhara
-
- PA1293 Late Breaking Abstract - BBT-877, a Potent Autotaxin Inhibitor in Clinical Development to Treat Idiopathic Pulmonary Fibrosis**
Gwanghee Lee (Seongnam-si, Republic of Korea), Sang Uk Kang, Jeong-Hyun Ryou, Jong-Jin Lim, Yong-Hee Lee
-
- PA1294 An electronic nose can sniff out idiopathic pulmonary fibrosis.**
Silvano Dragonieri (Bari (BA), Italy), Donato Lacedonia, Incoronata Caccavo, Pierluigi Carratu, Giovanna Elisiana Carpagnano, Teresa Ranieri, Maria Pia Foschino Barbaro, Onofrio Resta
-
- PA1295 Late Breaking Abstract - Il24 deficiency protects mice against bleomycin-induced pulmonary fibrosis by repressing the m2 program in macrophages**
Lizong Rao (Guilin, China), Lisha Luo, Biwen Mo
-
- PA1296 Late Breaking Abstract - Phase 2, multi-center, open label, single-arm study of TAS-115, a novel multi-kinase inhibitor in patients with idiopathic pulmonary fibrosis**
Takashi Ogura (Yokohama, Japan), Yasuhiko Nishioka, Takefumi Saito, Keisuke Tomii, Koichiro Kamio, Hiromi Tomioka, Shu Hisata, Susumu Sakamoto, Tomohiro Handa, Yasunari Miyazaki, Sakae Homma, Arata Azuma
-
- PA1297 Late Breaking Abstract - High cumulative dose of allogeneic mesenchymal stem cells in patients with progressive idiopathic pulmonary fibrosis**
Alexander Averyanov (Moscow, Russian Federation), Anna Sotnikova, Irina Koroleva, Mikhail Konoplyannikov, Olesya Danilevskaya, Victor Lesnyak, Vladimir Baklaushev

PA1298 **Late Breaking Abstract - PK/PD assessment of an oral, selective α V β 6/ α V β 1 integrin dual antagonist, PLN-74809, for the treatment of idiopathic pulmonary fibrosis**
Scott Turner (South San Francisco, United States of America), Eve Irene Lepist, Fernando Rock, Martin Decaris, Johanna Schaub, Chun Chen, Eduard Gorina, Eric Lefebvre

PA1299 **Late Breaking Abstract - Caveolin-1 derived peptide LTI-03 promotes epithelial cell survival and attenuates pulmonary fibrosis**
Breanne Mac Kenzie (, Brazil), Venkadesa Gopal, Liang Fan , Esther Maier, Yajie Zhang, Roxana Wasnick, Andreas Günther, Robert Williams 3rd, Sreerama Shetty

TP-38

Session 134

12:50 - 14:40

Thematic poster: Comorbidities of idiopathic pulmonary fibrosis

Disease(s) : [Interstitial lung diseases](#) [Thoracic oncology](#)

Method(s) : Epidemiology General respiratory patient care Cell and molecular biology Pulmonary function testing Palliative care Imaging Physiology

Chairs : Sebastiano Emanuele Torrisi (Acireale (CT), Italy), Sara Tomassetti (Forli, Italy), Tiago Alfaro (Coimbra, Portugal), Vivien Somogyi (Heidelberg, Germany)

PA1300 **Prognosis symptoms, quality of life and comorbidity relationship with cough in patients with idiopathic pulmonary fibrosis**
Salih Küçük (Kocaeli , Turkey), Ilknur Basyigit, Serap Argun Baris, Hasim Boyaci

PA1301 **Comorbidities influence in idiopathic pulmonary fibrosis antifibrotic treatments**
M^a Asuncion Nieto Barbero (Madrid, Spain), Francisco Javier Gonzalez-Gamiz, M^a Jesús Rodríguez-Nieto, Susana Sanchez, Javier Gaudó, Claudia Valenzuela, Belén López-Muñiz, Luis Gomez-Carrera, Rosalia Laporta, Alvaro Casanova, María Teresa Río, Refipimad Neumomadrid

PA1302 **Effect of gastroesophageal reflux (GER) on the progression of pulmonary fibrosis**
Jutapat Weerawattana (Udonthani, Thailand), Tanisa Patcharatrakul, Thanisa Tongbai, Sutep Gonlachanvit, Kamon Kawkitinarong

PA1303 **Impact of comorbidities in interstitial pneumonia with autoimmune features (IPAF)**
Pier-Valerio Mari (Roma (RM), Italy), Shannon Kay , Elisabeth Belloli , Margaret Salisbury , Jamie Sheth, Colin Holtze , Bonnie Wang , Jeffrey Myers , Kristine Konopka , Amir Lagstein , Ella Kazerooni , Aamer Chughtai , Dharshan Vummidi , Vivek Nagaraja , Dinesh Khanna , Kevin Flaherty , Luca Richeldi , Eric White

PA1304 **Right ventricular systolic pressure as a prognostic factor for pulmonary hypertension with interstitial lung disease**
Takako Kawaguchi (Kitakyusyu, Japan), Hideya Kitamura, Shingo Kato, Ryota Ohtoshi, Erina Tabata, Tsuneyuki Oda, Eri Hagiwara, Kazuki Fukui, Kazuhiro Yatera, Takashi Ogura

PA1305 **Cognitive impairment in patients with Idiopathic Pulmonary Fibrosis - Obstructive Sleep Apnea Overlap**
Emanuela Tudorache (Timisoara (Timis), Romania), Daniel Traila, Monica Marc, Ovidiu Fira Mladinescu, Diana Manolescu, Bogdan Timar, Cristian Oancea

PA1306 **CD163 positive alveolar macrophages from bronchoalveolar lavage in idiopathic pulmonary fibrosis and lung cancer.**
Eleni Bibaki (Heraklion (Crete), Greece), Eirini Vasarmidi, Chara Koutoulaki, Semeli Mastrodemou, Athina Trachalaki, Nikos Tzanakis, Eliza Tsitoura, Katerina Antoniou

PA1307 **The role of platelet factor- 4 and thrombin-antithrombin complex (TAT) in prognosis of idiopathic pulmonary fibrosis (UIP) and idiopathic interstitial pneumonia (IIP).**
Liubov Ponomareva (Moscow, Russian Federation), Elena Popova, Andrey Ponomarev, Elena Bueverova

PA1308 **Impact of interstitial lung disease and simultaneous lung cancer on therapeutic possibilities and survival**
Enikő BárCSI (Budapest, Hungary), Tamás Nagy, Krisztina Vincze, Noémi Eszes, Anikó Bohács, Veronika Müller

PA1309 **Differentiating between depression, anxiety and a grief reaction in idiopathic pulmonary fibrosis (IPF) patients and their caregivers. Is it time to rethink how and what we measure?**
Debra Reynolds-Sandford (Adelaide (SA), Australia), Paul Reynolds, Hubertus Jersmann, Oliver Schubert

PA1310 **Subtypes of lung adenocarcinomas associated with IPF**
Theodoros Karampitsakos (Athens, Greece), Georgia Gomatou, Rodoula Tringidou, Vasilios Tzilas, Argyrios Tzouvelekis, Demosthenes Bouros

- PA1311 Lung cancer in patients with Idiopathic Pulmonary Fibrosis. A retrospective multicenter study**
Theodoros Karampitsakos (Athens, Greece), Georgia Gomatou, Vasilios Tzilas, Evangelos Bouros, Evangelos Markozannes, Effrosyni Manali, Ioannis Tomos, Katerina Antoniou, Athina Trachalaki, Lykourgos Kolilekas, Ioanna Korbila, Periklis Tomos, Serafeim Chrysikos, Katerina Dimakou, Konstantinos Loverdos, Asimina Gaga, Zoe Daniil, Fotini Bardaka, Ilias Papanikolaou, Despoina Papakosta, Katerina Markopoulou, Rodoula Tringidou, Spyridon Papiris, Demosthenes Bouros, Argyris Tzouvelekis
- PA1312 Risk of cancer incidence in patient with idiopathic pulmonary fibrosis: An analysis of the National Health Insurance Service database of Korea**
Hong Yeul Lee (Suwon-si, Gyeonggi-do, Republic of Korea), Jinwoo Lee, Chang-Hoon Lee, Kyung-Do Han, Sun Mi Choi
- PA1313 Predictive value of 18F-FDG PET/CT for chemotherapy-related acute exacerbation of interstitial lung disease in lung cancer patients with interstitial lung disease**
Kimitaka Akaike (Kumamoto-shi, Japan), Koichi Saruwatari, Seitaro Oda, Shohei Hamada, Yusuke Tomita, Sho Saeki, Hidenori Ichiyasu, Kazuhiko Fujii, Shinya Shiraishi, Takuro Sakagami
- PA1314 Central European idiopathic pulmonary fibrosis (IPF) patients survey**
Katarzyna B. Lewandowska (Warszawa, Poland), Ingeborg Beunders, Martina Sterclova, Sebastian Majewski, Katarzyna Gorska, Beata Zolnowska, Veronika Muller, Tatiana Peros-Golubicic, Shani Jimmy, Guenther Wanke, Martina Vasakova, Jan Kus
- PA1315 The health status in idiopathic pleuroparenchymal fibroelastosis**
Yuta Mori (Seto (Aichi), Japan), Yasuhiko Yamano, Toshiki Yokoyama, Toshiaki Matsuda, Kensuke Kataoka, Tomoki Kimura, Yasuhiro Kondoh
- PA1316 Late Breaking Abstract - Calcium-sensing receptor activators increased in the sputum of idiopathic pulmonary fibrosis patients**
Kasope L. Wolffs (Cardiff, United Kingdom), Bethan Mansfield, Richard Bruce, Line Verckist, Rachel Paes De Araújo, Richard Attanoos, Dirk Adriaensen, Luis Mur, Ben Hope-Gill, Daniela Riccardi
- PA1317 Late Breaking Abstract - Change in airway volume, measured with functional respiratory imaging (FRI), differentiates between stable and progressive idiopathic pulmonary fibrosis (IPF)**
Thomas McLellan (Essex, United Kingdom), Peter George, Paul Ford, Jan De Backer, Cedric Van Holsbeke, Benjamin Mignot, Alessandro Ruggiero, Muhunthan Thillai

TP-39

Session 135

12:50 - 14:40

Thematic poster: Innovations in idiopathic pulmonary fibrosis

Disease(s) : [Interstitial lung diseases](#)

Method(s) : Imaging General respiratory patient care Pulmonary function testing Epidemiology Cell and molecular biology Palliative care Transplantation Endoscopy and interventional pulmonology Physiology Surgery

Chairs : Catharina Moor (Rotterdam, Netherlands), Wim A Wuyts (Rotselaar, Belgium), Julia Wälscher (Essen, Germany), Phil Molyneaux (London, United Kingdom)

- PA1318 Correlation between home and clinic spirometry in subjects with IPF: results from the INMARK trial**
Toby Maher (St. Albans, United Kingdom), Vincent Cottin, Anne-Marie Russell, Tamera Corte, Peter Hammerl, Andreas Michael, Klaus B Rohr, Manuel Quaresma, Susanne Stowasser, Imre Noth
- PA1319 No association between Human herpes virus, Herpes virus Saimiri and idiopathic pulmonary fibrosis**
Mada Ghanem (Paris, France), Quentin Le Hingrat, Aurélie Cazes, Benoit Visseaux, Gilles Collin, Diane Descamps, Charlotte Charpentier, Bruno Crestani
- PA1320 Development of a patient reported experience measure (PREM) for idiopathic pulmonary fibrosis (IPF)**
Anne-Marie Russell (London, United Kingdom), Arnab Datta, Karen Newell, Stephen Jones, John Conway, Lesley Anne Saktkoo, Melissa Wickremasinghe
- PA1321 PRAISE IPF study correlation between quantitative lung fibrosis (QLF) measured by quantitative high resolution computed tomography (qHRCT) and quality of life (QoL) assessed by St. George's respiratory questionnaire (SGRQ)**
Elias Kouchakji (San Francisco, United States of America), Jonathan Goldin, Grace Kim, Peony Yu, Ming Zhong, Duo Zhou, Tro Sekayan
- PA1322 Lymphoid follicles are a prominent feature in Idiopathic Pulmonary Fibrosis (IPF) lungs.**
Elisabetta Cocconcelli (San Martino in Rio (RE), Italy), Erica Bazzan, Davide Biondini, Elisabetta Balestro, Fiorella Calabrese, Federico Rea, Paolo Spagnolo, Manuel G. Cosio, Marina Saetta, Graziella Turato

- PA1323 Safety and learning curve for Transbronchial Lung Cryobiopsy**
Takashi Niwa (Yokohama, Japan), Tomohisa Baba, Kenta Murotani, Erina Tabata, Ryota Shintani, Satoshi Ikeda, Hiroko Okabayashi, Tsuneyuki Oda, Ryo Okuda, Akimasa Sekine, Hideya Kitamura, Shigeru Komatsu, Eri Hagiwara, Takashi Ogura
- PA1324 Prevalence and characterization of interstitial lung disease in a lung cancer screening program**
Reyes Calzado Lopez (MADRID, Spain), Carolina Gotera Rivera, Teresa Pérez Warnisher, Rosario Melchor Iñiguez, Javier Pinillos Robles, Elena Cabezas Pastor, Abdulkader El Hachem Debek, Marcel Rodríguez Guzmán, Patricia Lazo Meneses, Javier Alfayate Sánchez, Nicolás González Mangado, Germán Peces Barba, Luis Seijo Maceiras
- PA1325 Prediction of IPF Progression Using HRCT Imaging Patterns in Elderly Population**
GraceHyun Kim, Stephen Weigt, Lila Pourzand, William Hsu, Yu Shi, Matthew Brown, Jonathan Goldin
- PA1326 The lower airways microbiome in patients with IPF and COPD**
Kristel Svalland Knudsen (Bergen, Norway), Rune Nielsen, Ingvild Haaland, Sverre Lehmann, Tomas M Eagan
- PA1327 Longitudinal high-resolution computed tomography (HRCT) assessment and disease progression in patients with Idiopathic Pulmonary Fibrosis (IPF) on antifibrotic therapy**
Elisabetta Balestro (Padova (PD), Italy), Elisabetta Cocconcelli, Chiara Giraud, Davide Biondini, Roberta Polverosi, Linda Mazzai, Giulia Rizzon, Emilio Quaia, Manuel G Cosio, Marina Saetta, Paolo Spagnolo
- PA1328 Evaluation of treatment with Nintedanib in patients with idiopathic pulmonary fibrosis: a proteomic approach**
Paolo Cameli (Certaldo (FI), Italy), Claudia Landi, Laura Bergantini, Miriana D'Alessandro, Laura Bianchi, Enxhi Shaba, Paola Rottoli, Luca Bini, Elena Bargagli
- PA1329 Effect of delayed secondary care referral on morbidity and mortality in idiopathic pulmonary fibrosis patients treated with antifibrotics**
Hon Lin Wu (Preston (Lancashire), United Kingdom), Salma Mahmoud, Timothy Gatheral
- PA1330 Comparison between Bronchoscopic lung Cryobiopsy and Surgical Lung biopsy in the diagnosis of Idiopathic Pulmonary fibrosis: our experience on 203 cases.**
Stefano Sanna (Forli, Italy), Desideria Argnani, Marta Mengozzi, Anna Mariantonia Parisi, Christian Gurioli, Venerino Poletti, Franco Stella
- PA1331 Fatigue changes in IPF patients measured by the Fatigue Assessment Scale during antifibrotic treatment**
Line Kølner-Augustson (Aarhus n, Denmark), Thomas Skovhus Prior, Vibeke Skivild, Anette Aalestrup, Elisabeth Bendstrup
- PA1332 Prognostic Factors in Patients with Idiopathic Pulmonary Fibrosis; Evaluation using Quantitative CT Analysis of Fibrosis and Emphysema**
Hiroaki Nakagawa (Otsu (Shiga), Japan), Kentaro Fukunaga, Satoshi Ikeda, Ryo Okuda, Hideya Kitamura, Tomohisa Baba, Yasutaka Nakano, Takashi Ogura
- PA1333 STARMAP: an observational study to assess disease-relevant outcomes using home-monitoring devices in patients with idiopathic pulmonary fibrosis (IPF)**
Paula Belloni (Half Moon Bay, United States of America), Jeffrey Swigris, Steven Nathan, Robert Tighe, Sunny Nagra, Christina Rabe, Douglas Kelkhoff, Thomas Switzer, Nikheel Kolatkar, Jeffrey Golden
- PA1334 Association between weight loss and decline in FVC in patients with IPF**
Bruno Crestani (Paris, France), Vincent Cottin, Ronan Thibault, Mathieu Lederlin, Laurent Vernhet, Wibke Stansen, Manuel Quaresma, Stéphane Jouneau
- PA1335 Interim analysis of patients with ILD enrolled in the STARLINER study**
Marlies S. Wijsenbeek (Rotterdam, Netherlands), Marlies S Wijsenbeek, Elisabeth Bendstrup, Claudia Valenzuela, Michael T. Henry, Catharina Moor, Stéphane Jouneau, Alessandro Fois, Onofre Moran, Syed Anees, Mirela Mirt, Monica Bengus, Frank Gilberg, Klaus-Uwe Kirchgassler, Carlo Vancheri
- PA1336 Significance of small airway obstruction in patients with idiopathic pulmonary fibrosis.**
Masanobu Okahisa (Iizuka, Japan), Yuki Goto, Kazunori Tobino
- PA1337 Low fat-free mass and body mass index are associated with worse survival in patients with idiopathic pulmonary fibrosis (IPF)**
Stéphane Jouneau (Rennes Cedex, France), Chloé Rousseau, Mathieu Lederlin, Mallorie Kerjouan, Tiphaine Guy, Laurent Sohier, Alexandre Salé, Stéphanie Guillot, Laurent Vernhet, Emmanuel Oger, Ronan Thibault

TP-40

Session 136

12:50 - 14:40

Thematic poster: Treatment and prognosis of idiopathic interstitial pneumonia

Disease(s) : [Interstitial lung diseases](#)

Method(s) : General respiratory patient care Epidemiology Imaging Pulmonary function testing Pulmonary rehabilitation Cell and molecular biology Palliative care

Chairs : Julie Morisset (Montréal (QC), Canada), Rakshya Pandey (kathmandu, Nepal), Vanesa Vicens Zygmunt (Castelldefels (Barcelona), Spain), Sabina A. Guler (Bern, Switzerland)

- PA1338 Dedicated Pulmonary Rehabilitation for Patients with Interstitial Lung Disease in a District General Hospital**
Natasha Ramsundar (London, United Kingdom), Tejas Ingle, David Allen, Lizan Drummond
-
- PA1339 Integrated education sessions included in a tailored rehabilitation program for patients with interstitial lung disease**
maher quaimi (Gateshead, United Kingdom), Laura Mcneillie, Claire Donaldson, Julie Harper, Jessica Hartley, A. John Simpson, Sophie Cassidy, Anne-Marie Bourke, Christopher Ward, Ian Forrest
-
- PA1340 Survival on antifibrotic therapy in IPF – the impact of pleural plaques, concomitant emphysema and definite vs possible UIP**
Sarah Briggs (Glasgow (Scotland), United Kingdom), David Anderson, Anne Mckay, Susan Mccluskey, Angela Wright, George Chalmers
-
- PA1341 The clinical efficacy of pulmonary hypertension-specific agents in idiopathic pulmonary fibrosis: A systematic review and meta-analysis**
Hyeyoung Jwa (Jeju, Republic of Korea), Mi-Ok Kim
-
- PA1342 Efficacy and tolerability of nintedanib switched from pirfenidone for IPF patients**
Masashi Sakayori (Chiba, Japan), Jiro Terada, Mitsuhiro Abe, Kenichi Suzuki, Keiichiro Yoshioka, Kenji Tsushima, Koichiro Tatsumi
-
- PA1343 What patients with IPF can expect concerning symptoms and quality of life during first six months of antifibrotic treatment?**
Dariusz Jastrzębski (Zabrze, Poland), Aleksandra Gasiorek, Dominika Galczynska, Sylwia Czyz, Bettina Ziaja, Joanna Warzecha, Sabina Kostorz-Nosal, Dariusz Ziara
-
- PA1344 Interstitial lung disease at a district general hospital: When are patients referred to tertiary care?**
Matthew John Burton (Colchester, United Kingdom), Kirsten Wadsworth
-
- PA1345 Physical activity in idiopathic pulmonary fibrosis**
Diana Badenes Bonet (Barcelona, Spain), Diego Agustín Rodríguez Chiaradia, Anna Rodó Pin, Oswaldo Antonio Caguana Vélez, Juana Martínez Llorens, Joaquim Gea Guiral, Eva Balcells Vilarnau
-
- PA1346 Aerobic and Breathing Exercises Improve Dyspnea, Exercise Capacity and Quality of Life in Idiopathic Pulmonary Fibrosis Patients: Systematic Review and Meta-Analysis.**
Masatoshi Hanada (nagasaki, Japan), Karina Kasawara, Sunita Mathur, Dmitry Rozenberg, Ryo Kozu, Darlene Reid
-
- PA1347 Potential benefits of Nordic Walking for Idiopathic Pulmonary Fibrosis**
Pere Trias Sabria (Barcelona, Spain), Cristina Martin Cabeza, Mariagna Sampere Aymerich, Marina Tutusaus, Jose Manuel Palma López, Maria Molina-Molina, Vanesa Vicens-Zygmunt
-
- PA1348 What proportion of patients with Idiopathic Pulmonary Fibrosis fall outside UK prescribing criteria for anti-fibrotic treatment? A UK specialist centre review.**
Christopher J Brereton (Southampton, United Kingdom), Katarina Pontoppidan, Tim Wallis, Luca Richeldi, Mark G Jones, Sophie V Fletcher
-
- PA1349 Impact of compliance and specialist nurse support on IPF survival in patients commenced on antifibrotic therapy**
Sarah Briggs (Glasgow (Scotland), United Kingdom), David Anderson, Susan Mccluskey, Anne Mckay, Angela Wright, George Chalmers
-
- PA1350 Idiopathic Pulmonary Fibrosis based on disease behavior: Workshop summary of a Japanese multicenter study**
Yoshikazu Inoue (Osaka, Japan), Masanori Akira, Takahiko Kasai, Toru Arai, Kazunobu Tachibana, Chikatoshi Sugimoto, Naoko Takeuchi, Yuki Matsui, Yoshinori Kawabata, Takeshi Johkoh, Fumikazu Sakai, Reiko Egashira, Hiromitsu Sumikawa, Shigeki Shimizu, Tomonori Tanaka, Tamiko Takemura, Shinyu Izumi, Keita Sakamoto, Shuichiro Matsumoto, Kazuhito Hatanaka, Goshi Matama, Tomohisa Baba, Ryobu Mori, Hiromi Tomioka, Keisuke Tomii, Naoki Hamada, Nobuhiko Nagata, Yasuhiro Kondoh, Kensuke Kataoka, Tomoo Kishaba, Yukihiko Nakamura, Akira Yamagata, Ayaka Tanaka, Venerino Poletti, Masanori Kitaichi
-
- PA1351 ORAL MORPHINE IS SAFE IN SYMPTOMATIC PATIENTS WITH FIBROTIC INTERSTITIAL LUNG DISEASES**
Sissel Kronborg-White (Lystrup, Denmark), Charlotte Uggerhøj Andersen, Ole Hilberg, Elisabeth Bendstrup
-
- PA1352 MUC5B genotype affects survival of patients with idiopathic pulmonary fibrosis (IPF) on antifibrotic treatment**
Davide Biondini (Udine (UD), Italy), Elisabetta Balestro, Chiara Rigobello, Simonetta Baraldo, Donato Lacedonia, Elisabetta Cocconcelli, Erica Bazzan, Maria Pia Foschino Barbaro, Manuel G Cosio, Marina Saetta, Paolo Spagnolo

- PA1353 Efficacy and safety of nintedanib in the elderly patient with IPF**
Elisabeth Bendstrup (Vejle, Denmark), Francesco Bonella, Elena Bargagli, Wibke Stansen, Manuel Quaresma, Leticia Orsatti, Ian Glaspole
- PA1354 Safety and pharmacokinetics of nintedanib plus sildenafil in the INSTAGE trial**
Ulrich Costabel (Essen, Germany), Shane Shapera, Sara Tomassetti, Tomohisa Baba, Birgit Schinzel, Sabrina Wiebe, Manuel Quaresma, Martin Kolb
- PA1355 Episodes of Acute Respiratory Deterioration in patients with idiopathic pulmonary fibrosis in the UK – mortality and contributing factors**
Deborah Clarke (, United Kingdom), Michael Marcus, Abby Tebboth, Prithwiraj Das, Sophie Fletcher
- PA1356 Change in 6-minute walk test can predict prognosis in idiopathic pulmonary fibrosis**
Jing Gao (Stockholm, Sweden), Dimitrios Kalafatis, Ida Pesonen, Lisa Carlson, Ferrara Giovanni, Magnus Sköld

TP-41

Session 137

12:50 - 14:40

Thematic poster: Immune-mediated interstitial lung diseases: from bench to bedside

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#)

Method(s) : Epidemiology Pulmonary function testing Cell and molecular biology General respiratory patient care Imaging Endoscopy and interventional pulmonology Physiology

Chairs : Veronica Alfieri (Parma (PR), Italy), Helen Parfrey (Cambridge (Cambridgeshire), United Kingdom), Martina Bonifazi (Ancona (AN), Italy), Jan C. Grutters (Nieuwegein, Netherlands)

- PA1357 Follistatin-like 1 promotes intermittent hypoxia-induced lung fibroblast activation in vitro and in vivo**
Lei qian Xu (Tianjin, China), Jie Cao
- PA1358 Micro Array screening of microRNA markers of interstitial lung diseases for differential diagnostics.**
Vladimir Yermeev (Moscow, Russian Federation), Galina Shepelkova, Anna Zaytseva, Vladimir Evstifeev, Igor Stepanyan, Evgeniy Shmelev
- PA1359 Serum and BAL levels of KL6 in chronic hypersensitivity pneumonitis Serum and BAL levels of KL6 in chronic hypersensitivity pneumonitis**
Nicola Lanzarone (Alcamo (TP), Italy), Valerio Alonzi, Laura Bergantini, Francesco Bianchi, Miriana D'Alessandro, Paola Rottoli, Rosa Metella Refini, Maria Pieroni, Elena Bargagli, Maria Antonietta Mazzei, Francesco Gentili, Piersante Sestini
- PA1360 Specific serum immunoglobulins G (IgGs) may serve as pointers towards inhalation antigen exposure in patients with hypersensitivity pneumonitis (HP) and uncertain exposure source.**
Martina Šterclová (Praha, Czech Republic), Pavel Sojka, Nikola Kaspříková, Martina Vašáková
- PA1361 Occupational dust exposure as a risk factor for MPO-ANCA-positive interstitial pneumonia**
NORIKO SAKUMA (Tokyo, Japan), Hirokazu Tojima, Takuma Hiroishi, Takuma Matsumura, Chie Koumura, Masakazu Kouno
- PA1362 Interstitial lung disease associated with ANCA positivity: a retrospective analysis**
Sabrina Juman (SALFORD, United Kingdom), Sahena Haque, Nazia Chaudhuri
- PA1363 The prevalence of bronchitis and associations with spirometry in patients with interstitial lung disease in a Canadian tertiary care centre**
Terence Ho (Toronto (ON), Canada), Ciaran Scallan, Nathan Hambly, Gerard Cox, Martin Kolb, Parameswaran Nair
- PA1364 Correlations of endomicroscopic and high-resolution computer tomography patterns in patients with interstitial lung diseases**
Olesya Danilevskaya (Moscow, Russian Federation), Alexander Averyanov, Victor Lesnyak
- PA1365 Risk factors of interstitial lung diseases in patients with rheumatoid arthritis.**
Elena Klester (Barnaul (Altai Region), Russian Federation), Karolina Klester, Yakov Shoykhet, Valeriy Elykomov, Valentina Yarkova, Antonina Berdyugina, Etiborhon Mukhtarova
- PA1366 Modes of Disease Progression in Different Forms of Interstitial Lung Disease with Usual Interstitial Pneumonia Histology in Patients with Idiopathic and Non-idiopathic Etiologies - A Single Center Experience**
Florian Rampp (Taufkirchen, Germany), Helmuth Popper, Joachim Meyer
- PA1367 A single center experience of rituximab for anti synthetase syndrome associated interstitial lung disease (ASS-ILD)**
Amila Rathnapala (Minuwangoda, Sri Lanka), Louise Wing, Rachel Benamore, Joel David, Rachel Hoyles
- PA1368 Diagnosing Sjögren' syndrome in patients with Interstitial Lung Disease by minor salivary gland biopsy.**
Paloma Millan Billi (Barcelona, Spain), Ivan Castellvi, Silvia Barril Farre, Hyesang Park, Laura Martinez Martinez, Laura Lopez Vilaro, Tomas Fraquet Casas, Francisco Aparicio, Oriol Sibila Vidal, Hector Corominas, Diego Castillo Villegas

- PA1369 Induced sputum in systemic sclerosis: A new potential for biomarkers in SSs**
Pierre Jacquerie (Liège, Belgium), Béatrice André, Monique Henquet, Catherine Moermans, Dominique De Seny, Fanny Gester, Renaud Louis, Michel Malaise, Julien Guiot
- PA1370 Bronchoalveolar lavage fluid cytokines in the assessment of interstitial lung disease in systemic sclerosis: a prospective study**
Karan Madan (New Delhi (Delhi), India), Saurabh Mittal, Uma Kumar, Randeep Guleria, Anant Mohan, Ashu Seith Bhalla, Sandeep Mathur
- PA1371 Interstitial pneumonia with autoimmune features associated with myositis autoantibodies: clinical characteristics from a multicenter Latin-American cohort.**
Ivette Buendia Roldán (México D.F, Mexico), José Ernesto Juárez León, María Laura Alberti, Verónica Wolff, Felipe Reyes, Francisco Paulin, Leandro Fassola, Fabian Caro, Gabriel Carballo, Tamara Palavecino, Juan Carlos Díaz, Mayra Mejía, Matías Florenzano, Jorge Rojas Serrano
- PA1372 Peptide ToAP3 from T. obscurus interferes with idiopathic pulmonary fibrosis progression in murine model.**
Karina Smidt Simon (Brasilia (DF), Brazil), Cesar Melo-Silva, Paulo Henrique Veloso, Luisa Coelho, João Paulo Longo, Leonora Vianna, Verônica Amado, Anamélia Bocca
- PA1373 Multicenter Registry of Interstitial Lung Diseases in Brazil**
Carlos Alberto De Castro Pereira (São Paulo (SP), Brazil), Maria Raquel Soares, André Botelho, Andréa Gimenez, Bruno Beraldo, Cláudio Ferraz, Eliane Mancuzo, Fernanda Machado, Flávio Toledo, Gustavo Miranda, Maria Auxiliadora Moreira, Mariah Taube, Marina Castro, Milena Cerezoli, Rafaela Boaventura, Regina Tibana, Tarciane Prata, Ester Coletta, Rimares Ferreira
- PA1374 Lung involvement in autoimmune liver diseases**
Larisa Akulkina (Moscow, Russian Federation), Michael Brovko, Michail Kalashnikov, Victoria Sholomova, Alisa Yanakaewa, Denis Konovalov, Marina Lebedeva, Teona Rosina, Sergey Moiseev
- PA1375 Tomographic pattern and disease progress or mortality in familial pulmonary fibrosis**
Eliane Viana Mancuzo (Belo Horizonte (MG), Brazil), Deborah Strela, Luiz Fernando Ferreira Pereira, Ricardo De Amorim Correa

TP-42

Session 138

12:50 - 14:40

Thematic poster: Sarcoidosis: a multifaceted disease that is difficult to manage

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)

Method(s) : General respiratory patient care Pulmonary function testing Imaging Cell and molecular biology Endoscopy and interventional pulmonology

Chairs : António Morais (Maia, Portugal), Dominique Valeyre (Paris, France), Marcel Veltkamp (De Meern, Netherlands), Vasileios Kouranos (London, United Kingdom)

- PA1376 Broncho-obstructive syndrome in patients with granulomatous pulmonary diseases.**
Galina Kuklina (Moscow, Russian Federation), Evgeny Shmelev, Vladimir Romanov
- PA1377 Fatigue in sarcoidosis is variable and may be associated to Vitamin D**
Ilias Papanikolaou (Corfu, Greece), Ioanna Makou, Emmanouil Antonakis, Konstantinos Pagratis, Andreas Afthinos
- PA1378 Monocyte/neutrophil phagocytic activity ratio in differentiating tuberculosis from sarcoidosis**
Anna Dubaniewicz (Gdańsk, Poland), Bartłomiej Rękawiecki, Marek Pipek, Monika Skotarczak, Mirosława Dubaniewicz-Wybieralska
- PA1379 Splenomegalia in patients with pulmonary sarcoidosis.**
Alexander Vazel (Kazan (Republic of Tatarstan), Russian Federation), Irina Vazel, Gilnaz Shakirova, Pavel Kolesnilkov
- PA1380 Detection of various autoantibodies in patients with pulmonary sarcoidosis**
Ulia Zinchenko (St Petersburg, Russian Federation), Anna Starshinova, Natalia Basantsova, Anna Malkova, Elena Surkova, Sergey Lapin, Boris Gildburd, Leonid Churilov, Piotr Yablonskiy
- PA1381 Translation and initial validation of King's Sarcoidosis Questionnaire**
Janne Møller (Skanderborg, Denmark), Thomas Skovhus Prior, Ole Hilberg, Surinder Birring, Elisabeth Bendstrup
- PA1382 Respiratory profile of 64 patients with common variable immunodeficiency: A descriptive study**
Jennifer Savard-Heppel (quebec city, Canada), Jean-Nicolas Boursiquot
- PA1383 Can High Frequency Transthoracic Sonography Play a Competition Role with High Resolution Computed Tomography in Assessment of Dyspnea?**
Gamal Rabie Agmy (Assiut, Egypt), Mohamed Adam, Manal Ahmed, Mariam Azmy

- PA1384** **Characterization of the lymphocyte phenotype in bronchoalveolar lavage as a prognostic marker in pulmonary sarcoidosis**
Pilar Segovia Calero (Girona, Spain), Maria Antonia Ramón Belmonte, Mario Culebras Amigo, Iñigo Ojanguren Arranz, Ana Villar Gómez
- PA1385** **Association of demographic, laboratory and clinical parameters with HRCT-chest findings in patients with sarcoidosis.**
Alexis Papadopoulos (Manchester, United Kingdom), Stefan Stanel, Colm Leonard, Nazia Chaudhuri, Pilar Rivera-Ortega
- PA1386** **Predicting factors for sarcoidosis outcome: retrospective cohort study**
Maria Jacob (Porto, Portugal), Hélder Novais Bastos, Patrícia Caetano Mota, Natália Melo, Rui Cunha, José Miguel Pereira, Susana Guimarães, Conceição Souto Moura, António Morais
- PA1387** **Managing Sarcoidosis in a District General Hospital in Southern England: An 8 year retrospective analysis of treatment**
Andrew Achaiah (Oxford, United Kingdom), Lauren Fox, Melissa Zhao, Rachel Mckevitt, Nick Toosi, Will Storrar
- PA1388** **Treatment and management of cardiac sarcoidosis**
Juan Carlos Quijano-Campos (Papworth Everard (Cambridgeshire), United Kingdom), Muhunthan Thillai, Marta Bravo-Teijeira, Neha Sekhri, Fiona Kearn, Helen Parfrey, Emma Harris, Katie Harding, Rebecca Rowe, Julie Sanders
- PA1389** **CT patterns of pulmonary sarcoidosis are associated with prognosis and complication of chronic pulmonary aspergillosis or non-tuberculous mycobacteria**
Kanako Katayama (Sakai city, Japan), Toru Arai, Kazunobu Tachibana, Naoko Takeuchi, Chikatoshi Sugimoto, Masanori Akira, Takahiko Kasai, Masanori Kitaichi, Seiji Hayashi, Yoshikazu Inoue
- PA1390** **Close correlation between cumulative corticosteroid dose and weight gain in a German cohort of sarcoid patients.**
Rosa-Marie Apel (Hannover, Germany), Lena Kenn, Bendedikt Jaeger, Antje Prasse
- PA1391** **Sinonasal sarcoidosis in Iran**
Atefeh Abedini (Tehran, Islamic Republic of Iran), Arda Kiani, Ali Safavi Naeini, Kimia Taghavi, Negar Bandegani, Mehdi Kazempour-Dizaji
- PA1392** **The Minapild Study Project: New tools to identify causes and prevent Interstitial Lung Diseases**
Mickael Catinon (Villeurbanne, France), Jean François Mornex, Vincent Cottin, Roux Elisabeth, Françoise Thivolet, Sylvain Marchand-Adam, Stéphane Jouneau, Mallorie Kerjouan, Alexandre Sale, Dominique Israel-Biet, Jean Michel Vergnon, Nathalie Freymond, Szczepan Cofa, Joachim Müller-Quernheim, Geneviève Fouilloux, Valentin Massardier, Ana-Maria Trunfio-Sfarghiu, Yuguo Song, Aline Auroux, Marcel Veltkamp, Michel Vincent
- PA1393** **Does Endobronchial Ultrasound-guided transbronchial needle aspiration (EBUS) alter the diagnosis in suspected Sarcoidosis?**
Rashad Salman (Leeds (West Yorkshire), United Kingdom), Tim Sutherland
- PA1394** **The prevalence and clinical implications of bronchiectasis in patients with sarcoidosis**
Audrey Haywood (San Antonio, United States of America), Jose Castaneda, Kevin Proud, Marcos I. Restrepo, Alejandro A. Diaz, Diego J. Maselli
- PA1395** **Variants of the clinical course of familial pulmonary sarcoidosis**
Olga P. Baranova (St. Petersburg, Russian Federation), Michal M. Ilkovich, Alexandra A. Speranskaya

TP-43

Session 139

12:50 - 14:40

Thematic poster: The changing face of rare diffuse parenchymal lung diseases: recent advances in pathogenesis, clinical manifestations and treatment

Disease(s) : [Interstitial lung diseases](#) [Pulmonary vascular diseases](#) [Airway diseases](#)

Method(s) : General respiratory patient care Cell and molecular biology Imaging Pulmonary function testing Endoscopy and interventional pulmonology Respiratory intensive care Public health Epidemiology

Chairs : Maria Kokosi (London, United Kingdom), El bieta Radzikowska (Warszawa, Poland), Raphaël Borie (Paris, France), Chair to be confirmed

- PA1396** **Role of the COX2- PGE2 axis in S. pneumoniae- induced pulmonary fibrosis exacerbation in mice.**
Tina Bormann (Hannover, Germany), Regina Maus, Jennifer Stolper, Marie Moog, Lars Knudsen, Tobias Welte, Martin Kolb, Ulrich A. Maus
- PA1397** **Transcriptomic profiling of CD4 lymphocytes in a murine model of AdTGFβ-1 induced lung fibrosis**
Christopher Alexander Hinze (Hannover, Germany), Marie Moog, Regina Maus, David Deluca, Tobias Welte, Martin Kolb, Ulrich A. Maus

- PA1398 BMS-986278, a lysophosphatidic acid 1 (LPA1) receptor antagonist, in healthy participants: A single/multiple ascending dose (SAD/MAD) phase 1 study**
Giridhar Tirucherai (Princeton, United States of America), Dale Yu, Ratna Revankar, George Klinger, Jan Jaap Van Lier, Jorg Taubel, Todd Correll
-
- PA1399 BMS-986327 as a novel PET imaging agent for assessment of LPA1 receptors in IPF**
Ralph Smith (Princeton, United States of America), Joonyoung Kim, David Donnelly, Andrea Olga Andrea Olga Shorts, Thomas Petrone, Stephen Kalinowski, Brian J. Murphy, Peter T. Cheng, Todd Correll, Patrick Chow, Shuyan Du Shuyan Du, Samuel Bonacorsi, Wendy Hayes
-
- PA1400 A rare diagnosis: Hermansky-Pudlak syndrome in a patient with pulmonary fibrosis, oculocutaneous albinism and thrombocytopeny**
Martina Doubková (Krenovice, Czech Republic), Jakub Trizuljak, Anna Hrazdiová, Zuzana Vrzalová, Ivona Blaháková, Lenka Radová, Šárka Pospíšilová, Michael Doubek
-
- PA1401 Effectiveness of corticosteroid in diffuse alveolar hemorrhage with hematologic malignancy**
Kyung Mee Song (Seoul, Republic of Korea), Jee Hwan Ahn, Youn-Suck Koh
-
- PA1402 Perception of the caregivers of patients with idiopathic pulmonary fibrosis: results of the French national survey, RESPIR**
Arnaud Bourdin (Montpellier Cedex 5, France), Sylvain Marchand-Adam, Emmanuel Bergot, Hilario Nunes, Benoit Wallaert, Gregoire Prévot, Vincent Cottin
-
- PA1403 Psychological predictors of health-related quality of life of interstitial lung disease patients.**
Carlos Zepeda-Dominguez, Viridiana Pelaez-Hernandez, Casandra Pineda-Sanchez, Victoria Pachicano-Romero, Arturo Orea-Tejeda, Alan Ibarra-Fernandez, Lizzbett Luna-Rodriguez, Arely Martinez-Bautista, Dulce Gonzalez-Islas, Karla Rosales-Castillo, Rocio Sanchez-Santillan, Aimee Flores-Vargas, Karla Balderas-Muñoz, Roberto Davila-Ramos, Angelia Jimenez-Valentin, Fernanda Salgado-Fernandez, Samantha Hernandez-Lopez, Yuridia Pilozi-Montiel
-
- PA1404 Psychological abnormalities are commonly present in adult patients with pulmonary Langerhans cell histiocytosis**
Abdellatif Tazi (Paris, France), Emmanuelle Bugnet, Nishant Gupta, Gwenaél Lorillon, Sayena Arbabzadeh-Bouchez, Jean-Pierre Lépine, Sylvie Chevret
-
- PA1405 Expectations of patients suffering from idiopathic pulmonary fibrosis about their treatment: results of the French national survey, RESPIR**
Arnaud Bourdin (Montpellier Cedex 5, France), Emmanuel Bergot, Hilario Nunes, Gregoire Prévot, Benoit Wallaert, Sylvain Marchand-Adam, Vincent Cottin
-
- PA1406 Segment by segment lavage as an excellent alternative treatment in pulmonary alveolar proteinosis in a 3 years old boy.**
Sedigheh Yousefzadegan (Tehran, Islamic Republic of Iran), Mohammadreza Modaresi, Rouhollah Shirzadi, Safura Navaie, Mahdieh Ghaempanah
-
- PA1407 Cicatricial lung fibrosis: five cases**
Maria Samsonova (Moscow, Russian Federation), Andrey Cherniaev, Kirill Mikhailichenko
-
- PA1408 Assessment of Treatment Response in Granulomatous Lymphocytic Interstitial Lung Disease (GLILD)**
Georgia Gkrepi (Ioannina, Greece), David M Lowe, Siobhan Burns, Suranjith Seneviratne, John R Hurst
-
- PA1409 Interstitial lung disease in CVID (GLILD): clinical presentation and comparison to CVID without ILD**
Vivien Somogyi (Heidelberg, Germany), Monika Eichinger, Felix Lasitschka, Jutta Kappes, Michael Kreuter
-
- PA1410 Macrolides as a potential treatment in organizing pneumonia**
Andreia Filipa Fonseca Carriço (Guarda, Portugal), Patrícia Caetano, Natália Melo, Hélder Novais Bastos, Susana Guimarães, Conceição Souto Moura, José Miguel Pereira, António Morais
-
- PA1411 Analysis of hospitalizations by lymphangiomyomatosis in Spain**
Jose Rafael Teran Tinedo (Madrid, Spain), Fernando Pedraza Serrano, Christian Castro Riera, Zichen Ji, Ana López De Andrés, Rodrigo Jiménez García, Valentín Hernández Barrera, Luis Puente Maestu, Javier De Miguel Díez
-
- PA1412 CLINICO-PATHOLOGICAL PATTERNS OF THE THORACIC ENDOMETRIOSIS.**
Ivetta Dvorakovskaya (St. Petersburg, Russian Federation), Boris M. Ariel, Lubov N. Novikova, Petr K. Yablonskiy
-
- PA1413 Gender perspective in Interstitial Lung Diseases (ILD)**
Elizabeth De Freitas Gonzalez (León, Spain), Javier Juan García, Raúl E Almeida Cabrera, Carlos Mier Bango, Carmen López Garay, Elena Bollo De Miguel, Inmaculada Herráez Ortega, Nieves Alonso Orcajo, Laura Sierra Herranz

TP-44

Session 140

12:50 - 14:40

Thematic poster: Pulmonary hypertension with lung diseases and experimental pulmonary hypertension

Disease(s) : Pulmonary vascular diseases Interstitial lung diseases Airway diseases Respiratory critical care

Method(s) : Cell and molecular biology Respiratory intensive care General respiratory patient care Transplantation Epidemiology Physiology Imaging Public health Pulmonary function testing

Chairs : Harry Karmouty-Quintana (Houston, United States of America), Horst Olschewski (Graz, Austria), Laura Price (London, United Kingdom), Sébastien Bonnet (Québec (QC), Canada)

- PA1414 Inhaled liposomal iloprost extend detectable plasma level and prolong reduction of hypoxia-induced pulmonary hypertension in rat**
Pei Kan (Taipei, Taiwan), Ko Chieh Chen, Yi Fong Lin
- PA1415 Pulmonary vascular cell mitochondrial dysfunction in response to hepcidin**
Quezia K Toe (Essex, United Kingdom), Theo Issitt, Miziah Mohd Ghazaly, Gregory J Quinlan, S John Wort
- PA1416 Targeting of mitochondrial superoxide in chronic hypoxia-induced pulmonary hypertension**
Nasim Alebrahimdehkordi (Giessen, Germany), Oleg Pak, Susan Scheibe, Mareike Gierhardt, Akylbek Sydykov, Matthias Hecker, Katharina Schaefer, Werner Seeger, Hossein Ardeschir Ghofrani, Ralph Schermuly, Michael Murphy, Norbert Weissmann, Natascha Sommer
- PA1417 Pharmacological inhibition of carbonic anhydrases 9 and 12 attenuates monocrotaline-induced pulmonary hypertension in rats**
Aleksandar Petrovic (Vranje, Republic of Serbia), Djuro Kosanovic, Oleg Pak, Jan Niklas Schneider, Akylbek Sydykov, Norbert Weissmann, Werner Seeger, Ralph Teo Schermuly
- PA1418 Macitentan modulates pulmonary mRNA levels of gremlin 1 in a rat model of pulmonary arterial hypertension**
Elisa Schiavi (Parma, Italy), Silvia Cantoni, Giorgia Volpi, Massimiliano Cont, Fiorella Pastore, Stefano Cavalli, Fabio Dardi, Gino Villetti, Fabrizio Facchinetti
- PA1419 Activation of de novo NAD synthesis in the lung of pulmonary hypertension**
Zongye Cai (Rotterdam, Netherlands), Claude Van Der Ley, Martijn Van Faassen, Ido Kema, Dirk J Duncker, Daphne Merkus
- PA1420 Sex and age differences in pulmonary vascular responses in a chronic hypoxic rat model**
Elena Olea Fraile (Valladolid, Spain), Jesús Prieto-Lloret, Ana Gordillo, Angela Gomez-Niño, Ana Obeso, Ricardo Rigual, Asunción Rocher
- PA1421 RF22c, a 5-lipoxygenase inhibitor, in monocrotaline-induced PAH**
Angela Liparulo (Naples, Italy), Renata Esposito, Salvatore Mirra, Giuseppe Spaziano, Alejandra Catalina Muñoz Ramírez, Annalisa Capuano, Rosanna Filosa, Carmelo Puglia, Bruno D'Agostino
- PA1422 In-vivo lung molecular imaging of choline metabolism in a rat model of pulmonary arterial hypertension**
Jesus Ruiz-Cabello (San Sebastian, Spain), Jose Luis Izquierdo-Garcia, Lucia Fadon, Marta Beraza, Unai Cossio, Jordi Llop
- PA1423 Role of vasoactive mediators on cigarette smoke extract (CSE)-induced proliferation in human pulmonary artery smooth muscle cells (hPASMCs)**
Abdullah Alqarni (Nottingham (Nottinghamshire), United Kingdom), Oliver Brand, Alice Pasini, Abdulrhman Alghamdi, Wael Alshehri, Mushabbab Alahmari, Linhua Pang
- PA1424 Role of IL-11 in vascular function of pulmonary fibrosis patients**
Ines Roger (Valencia, Spain), Cristina Estornut, Beatriz Ballester, Javier Milara, Julio Cortijo
- PA1425 Inflammatory biomarkers in patients with COPD and pulmonary hypertension (PH).**
Viliya Gaynitdinova (Ufa (Republic of Bashkortostan), Russian Federation), Sergey Avdeev, Galina Necludova, Galia Nuralieva, Natalia Trushenko
- PA1426 Survival implications of pulmonary hypertension in end-stage COPD**
Ali Kapasi (Edmonton (AB), Canada), Kieran Halloran, Alim Hirji, Dale Lien, Joshua Mooney, Rishi Raj, Andrew Sweatt, Justin Weinkauff, Roham Zamanian
- PA1427 Clinical and investigational profiles of elevated pulmonary artery pressures in patients with stable chronic obstructive pulmonary diseases**
Maha Yousif (Menoufia Gavernorate, Egypt), Mohammed Agha, Rehab Habib, Nesrin Elhelbawy, Waleed Abdou
- PA1428 Elevated pulmonary vascular resistance is associated with increased risk of death in IPF**
Ali Kapasi (Edmonton (AB), Canada), Kieran Halloran, Alim Hirji, Dale Lien, Joshua Mooney, Rishi Raj, Andrew Sweatt, Justin Weinkauff, Roham Zamanian

PA1429 Rest and exercise pulmonary arterial compliance in patients with pulmonary fibrosis
Evangelia Panagiotidou (Thessaloniki, Greece), Ioannis Stanopoulos, Despina Papakosta, Evaggelia Fouka, Sofia Akritidou, Vasilios Bagalas, Afroditi Boutou, Georgia Pitsiou

PA1430 Body mass index predicts survival in patients with pulmonary hypertension in chronic lung disease
Osamu Nishiyama (Osaka, Japan), Kazuya Yoshikawa, Sho Saeki, Ryo Yamazaki, Hiroyuki Sano, Takashi Iwanaga, Yuji Tohda

PA1431 Outcome of pulmonary hypertension associated with respiratory disease
Lucilla Piccari (Barcelona, Spain), Isabel Blanco, Manuel López-Meseguer, Roberto Del Pozo, Xavier Pomares, Salud Santos, Javier De Miguel, Gustavo Juan, M^a José Rodríguez, Ernest Sala, Luis Jara, Juan Antonio Domingo-Morera, Pilar Escribano-Subías, Amaya Martínez-Menaca, Gregorio Pérez, Joan Albert Barberà, Diego A. Rodríguez

PA1432 Novel evaluation of pulmonary hypertension with chronic lung disease by perfusion SPECT/CT
Kenichiro Atsumi (Tokyo, Japan), Hiroki Hayashi, Shunichi Nishima, Toru Tanaka, Takeru Kashiwada, Yoshinobu Saito, Masahiro Seike, Akihiko Gemma, Yoshiaki Kubota, Yoshimitsu Fukushima, Hiroshi Kimura

PA1433 Psychological factors in patients with right heart failure associated with COPD
(), Karla Leticia Rosales Castillo, Casandra Pineda-Sánchez, Viridiana Peláez-Hernández, Lilian Victoria Pachicano Romero, Arturo Orea-Tejeda,, Guadalupe Lizzbett Luna-Rodríguez, Laura Arely Martínez- Bautista, Carlos Zepeda -Dominguez, Alan Aldair Ibarra-Fernández, Dulce González-Islas, Rocío Nayeli Sánchez-Santillán,, Luis Hernández-Urquieta, Aimeé Janeth Flores-Vargas, Karla Balderas-Muñoz , Angelia Jiménez-Valentín, Lizbeth García-Flores, Roberto Dávila-Ramos

TP-45

Session 141

12:50 - 14:40

Thematic poster: Haemodynamics and chronic thromboembolic pulmonary hypertension

Disease(s) : Pulmonary vascular diseases Sleep and breathing disorders Airway diseases

Method(s) : General respiratory patient care Imaging Surgery Endoscopy and interventional pulmonology Pulmonary function testing Physiology Public health Epidemiology

Chairs : Yu Taniguchi (Kobe, Japan), Laurent Godinas (Leuven, Belgium), Frédéric Lador (Genève 14, Switzerland), Xavier Jais (Le Kremlin-Bicêtre, France)

PA1434 Interventional therapeutic approach for patients with isolated peripheral pulmonary artery stenosis in adulthood
Masahiro Tsuji (Okayama city, Okayama, Japan), Hiroto Shimokawahara, Kazuna Hayashi, Takahiro Nishihara, Takanori Naito, Masataka Shigetoshi, Isao Tabuchi, Mitsuru Munemasa, Hiromi Matsubara

PA1435 Pulmonary artery blood flow dynamics in patients with chronic thromboembolic pulmonary hypertension; Analysis by computational fluid dynamics
Hideo Tsubata (Kyoto, Japan), Naohiko Nakanishi, Keiichi Itatani, Takeshi Ogo, Hitoshi Yaku, Satoaki Matoba

PA1436 Right ventricular-arterial coupling in chronic thromboembolic pulmonary hypertension patients during exercise
Natalia Joanna Braams (Amsterdam, Netherlands), Onno A. Spruijt, Frank P. T. Oosterveer, Berend E. Westerhof, Anton Vonk Noordegraaf, Lilian J. Meijboom, Frances S. De Man, Harm Jan Bogaard

PA1437 Differences of right ventricular diastolic stiffness in pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension
Ahmed A. Bayoumy (Ismailia, Egypt), Natalia J. Braams, Onno A. Spruijt, Frances S. De Man, Joanne A. Groeneveldt , Anton Vonk-Noordegraaf, Berend E. Westerhof, J. Tim Marcus, Lilian J. Meijboom, S.M.A. M. A. Jansen, Harm-Jan Bogaard

PA1438 Predominant thrombus in right upper lung might induce hypoxemia in chronic thromboembolic pulmonary hypertension
Shun Sato (chiba, Japan), Rika Suda, Nobuhiro Tanabe, Akira Naito, Rintaro Nishimura, Takayuki Jujo, Toshihiko Sugiura, Ayako Shigeta, Seiichiro Sakao, Koichiro Tatsumi

PA1439 Outcome of pulmonary thromboendarterectomy in chronic thromboembolic disease with normal hemodynamic: is it time to change the definition of CTEPH
Farid Rashidi (Tabriz, Islamic Republic of Iran), Rezayat Parvizi, Eisa Bilejani, Ata Koohi

PA1440 Chronic thromboembolic pulmonary hypertension: An analysis of a Portuguese expert referral centre
Duarte Silva (Viana do Castelo, Portugal), Fabienne Gonçalves, Luísa Carvalho, Mário Santos, Abílio Reis

PA1441 Evolution and survival of chronic thromboembolic pulmonary hypertension in the Canary Islands
Ana Belén Llanos-González (SANTA CRUZ DE TENERIFE, Spain), Ana Martín Medina, Gabriel Juliá Serdá, Enrique Francisco González Dávila, Javier Guerra Ramos, Purificación Ramírez Martín, Gregorio Pérez Peñate

- PA1442 Relationship between comorbidities and quality of life perceived by patients diagnosed with pulmonary hypertension: Pulmonary arterial hypertension (PAH) and chronic thromboembolic pulmonary hypertension (CTEPH)**
Amaya Martínez Meñaca (Santander (Cantabria), Spain), Ines Fernández-Cuesta Peñafiel, Isabel Blanco Vich, Antonio Roman Broto, Jose Manuel Cifrian Martinez, Pilar Escribano Subias, Raquel Lopez Reyes
-
- PA1443 Iron Deficiency in Chronic Thromboembolic Pulmonary Hypertension**
Ioana Alexandra Campean (Wien, Austria), Roela Sadushi-Kolici, Hannah Magdalena Beckmann, Inbal Shafran, Nika Skoro Sajer, Irene Marthe Lang
-
- PA1444 Platelets and chronic thromboembolic pulmonary hypertension**
Talita Oliveira (Sp, Brazil), Luciana Kato-Morinaga, Ana Assad, Ellen Oliveira, Carlos Jardim, Jose Alves-Jr, Rogerio Souza, Caio Júlio Cesar Fernandes
-
- PA1445 Among patients who have had a PE, left ventricular diastolic dysfunction is an unusual cause of exercise limitation**
Koral Fernandez De Roitegui Perez (Vitoria, Spain), Jose Luis Lobo , Angel Maria Alonso, Cristina Sánchez, Julia Amaranta García, Irene Juanes, Cristina Bermúdez, Remedios Otero, Osiris
-
- PA1446 Inter-observer correlation in detection of pulmonary hypertension (PH) after an acute pulmonary embolism (PE)**
Leyre Chasco Eguilaz (Vitoria-Gasteiz, Spain), Aitor Ballaz Quincoces, Raquel López Reyes, Agustina Rivas Guerrero, Carmen Jiménez Guarch, Andrea Moreno Arciniegas, Remedios Otero Candelera, María Luisa Peña Peña, José María Sánchez Díaz
-
- PA1447 Sequential right heart catheterizations in CTEPH patients**
Ioana Alexandra Campean (Wien, Austria), Inbal Shafran, Christian Gerges, Irene M. Lang
-
- PA1448 Pulmonary arterial wedge pressure =21 mmHg during exercise unmasks occult left heart disease in exercise pulmonary hypertension**
Simon Dominik Herkenrath (Köln, Germany), Marcel Treml, Ilona Kietzmann, Norbert Anduleit, Georgios Sofianos, Lars Hagemeyer, Winfried Randerath
-
- PA1449 Obstructive lung disease and respiratory swings contribute to the misdiagnosis of WSPH group 2 PH.**
Franz Rischard (Tucson, United States of America), Rebecca Vanderpool, Sophia Airhart, Joe G.N. Garcia
-
- PA1450 Effect of acetazolamide on pulmonary hemodynamics in COPD-patients going to altitude: a randomized trial**
Mona Lichtblau (Zürich, Switzerland), Michael Furian, Laura Meyer , Aline Buergin, Philipp M. Scheiwiller, Stephanie Saxer, Ulan Sheraliev, Maamed Mademilov, Patrick R. Bader, Simon R. Schneider, Felix Tanner, Talant Sooronbaev, Konrad E. Bloch, Silvia Ulrich
-
- PA1451 Comparative analysis of the level of NO in exhaled air between the residents of the low altitude and high altitude of Kyrgyzstan.**
Samatbek Satybaldyev (Bishkek, Kyrgyzstan), Melisbek Duishobaev, Kubatbek Muratali Uulu, Meerim Cholponbaeva, Nadira Kushubakova, Nursultan Baktybek, Zhainagul Kerimbekova, Abrashit Maripov, Almaz Akunov, Akylbek Sydykov, Akpay Sarybaev
-
- PA1452 Late Breaking Abstract - The effects of BMPRII loss on endothelial shear adaptation in the pulmonary vascular endothelium**
(), Anne Burke-Gaffney, Shahin Moledina, S John Wort

TP-46

Session 142

12:50 - 14:40

Thematic poster: Epidemiology and management of acute pulmonary embolism**Disease(s) :** Pulmonary vascular diseases | Sleep and breathing disorders | Respiratory critical care**Method(s) :** Imaging | General respiratory patient care | Endoscopy and interventional pulmonology | Physiology | Epidemiology | Respiratory intensive care**Chairs :** Luke Howard (London, United Kingdom), Esther Barbero Herranz (madrid, Spain), Olivier Sanchez (Paris, France)

- PA1453 Obstructive sleep apnea is a great threat in patients' with acute pulmonary embolism**
Doaa Magdy (Assiut, Egypt), Ahmed Metwally
-
- PA1454 Outpatient management of PE**
Bavithra Vijayakumar (thame (Oxfordshire), United Kingdom), Chris Davies, Matthew Gibson
-
- PA1455 Adherence to standard diagnostic algorithms for pulmonary embolus in a UK district general hospital**
James Heggie (Stourbridge, United Kingdom), Bilal Shoab, Manish Pagaria
-
- PA1456 Prediction of poor short-term prognosis with main pulmonary artery parameters from CTPA in non-high-risk acute PE patients**
Gang Hou (Shenyang (Liaoning), China), Dong Jia, Xue-Lian Li, Xiao-Ming Zhou

- PA1457 A single centre experience of low dose direct oral anticoagulants (DOAC) after unprovoked venous thromboembolism (VTE)**
Karen Sheares (Cambridge (Cambridgeshire), United Kingdom), William Thomas, Emily Symington, Martin Besser
- PA1458 Pulmonary Embolism Registry of a South American Hospital**
Pablo Ramón Gil Torres (Bogotá, Colombia), Claudio Villaquiran Torres, Carlos Andres Celis Preciado, Alejandra Cañas Arboleda, Javier Ivan Lasso Apraez
- PA1459 Pulmonary Embolism (PE) in women with hormonal contraception (WHC) primarily diagnosed via endobronchial ultrasound angiography (EBUS-A)**
Christiane Meyer-Aumiller (Hamburg, Germany), Josef Aumiller
- PA1460 Anti-Factor Xa levels correlate with recurrent venous thromboembolism and clinically relevant bleeding in patients receiving low-molecular-weight heparin.**
Luis Jara-Palomares (Sevilla, Spain), Samira Marin-Romero, Maria Isabel Asensio-Cruz, Teresa Elias-Hernandez, Rocio Ortega-Rivera, Remedios Otero-Candelera, Emilio Montero-Romero, Rodrigo Tallon-Aguilar, Maria Dolores Ucero-Leon, Manuel Arellano-Ceballos, Maria Rosario Ruiz-Serrano De La Espada, Candido Fernandez-Garcia, Jose María Sanchez-Diaz, Veronica Sanchez-Lopez, Elena Arellano-Orden, Marta Ferrer-Galvan, Stefano Barco
- PA1461 Unusual Presentation of a Systemic Disease: A Case Report**
Harshil Alwani (New Delhi (Delhi), India), Amrut Kumar Mohapatra, Saswat Subhankar, Debee Prasad Dash
- PA1462 Incidental pulmonary embolism. Incidence, clinical-radiological features and survival.**
FERNANDO GARCIA (Getafe, Spain), Gonzalo Diaz, Maria Teresa Rio, Zully Adjani Vasquez, Elena Canal, Eva Aguilar, Joaquin Costa, Cristina Matesanz, Jose Maria Diaz, Araceli Abad
- PA1463 Efficacy and safety of inferior vena cava filters in patients with surgically treated chronic thromboembolic pulmonary hypertension**
AKANE SASAKI (chuouku, Japan), Rika Suda, Nobuhiro Tanabe, Ryogo Ema, Keiko Yamamoto, Hideki Miwa, Akira Naito, Hajime Kasai, Takayuki Jujo, Toshihiko Sugiura, Naoko Kawata, Seichiro Sakao, Keiichi Ishida, Koichiro Tatsumi
- PA1464 A preliminary study on CT quantitative evaluation of small pulmonary vessels area in patients with acute pulmonary embolism**
Li Zhu (Yinchuan, China)
- PA1465 Thromboprophylaxis (TP) in Pulmonology department in Galdakao-Usansolo Hospital**
Leyre Chasco Eguilaz (Vitoria-Gasteiz, Spain), Aitor Ballaz Quincoces, Ane Uranga Echeverria, Amaia Aramburu Ojembarrena, Txomin Zabala Hernández, Amaia Artaraz Ereño, Olaia Bronte Moreno, Patrizia García Hontoria, Ana Jodar Samper
- PA1466 Pulmonary thrombosis occurring in hypobaric hypoxia among previously healthy young adult males.**
Mahaveera Bnbm Prasad (Jodhpur (Rajasthan), India), Y Uday
- PA1467 The outcome of anticoagulation alone therapy for patients with submassive pulmonary embolism**
Youjin Chang (Cheongju, Republic of Korea), Jae Young Moon, Young Seok Lee, Jae Jeong Shim
- PA1468 Performance of Khorana Risk Score for Prediction of Venous Thromboembolism in Patients With Lung Cancer**
Deniz Kizilirmak (Manisa, Turkey), Yavuz Havlucu
- PA1469 Categorising sub-massive pulmonary thromboembolism: no isolated role for shock index or its modified form**
Saleel Punnilath Abdulsamad (Telford, United Kingdom), Emma Crawford, Annabel Makan, Nawaid Ahmad, Koottalai Srinivasan, Harmesh Moudgil

TP-47

Session 143

12:50 - 14:40

Thematic poster: Medical education

Disease(s) : [Interstitial lung diseases](#) [Pulmonary vascular diseases](#) [Airway diseases](#) [Respiratory critical care](#)

Method(s) : General respiratory patient care Endoscopy and interventional pulmonology Pulmonary function testing Imaging Public health Respiratory intensive care

Chairs : Stylianos Loukides (Athens, Greece), Robert Primhak (Sheffield (South Yorkshire), United Kingdom), Frank W.J.M. Smeenk (Eindhoven, Netherlands), Carolin Sehlbach (Maastricht, Netherlands)

- PA1470 THE CENTER FOR DISTANCE LEARNING AND MONITORING IN EDUCATION OF TB SPECIALISTS AND MEDICAL STUDENTS.**
(), Nargiza Parpieva, Kozim Mukhamedov

- PA1471 We are not an island - initiating a respiratory trainee research network**
Alexandra Dipper (Bristol (Avon), United Kingdom), Hazel Morrison, Rachel Jones, Philip Mitchelmore, Hugh Welch, Ryan Miller, Rahul Bhatnagar, John Corcoran, Michael Gibbons, Janet Fallon

- PA1472 Improving the standard of practical pleural procedures teaching for junior doctors: A quality improvement project**
Junyi Zhang (London, United Kingdom), Adam Loveridge, Siva Mahendran
- PA1473 Developing a successful medical team using WhatsApp(TM) and social media (1 year follow- up)**
Radu Adrian Crisan-Dabija (Iasi (Iasi), Romania), Andrei Cernomaz, Traian Mihaescu, Dumitru Filipeanu
- PA1474 Effects of prograded education for chronic obstructive pulmonary disease on tertiary teaching hospital**
Jong Geol Jang (Daegu, Republic of Korea), Jin Hong Chung, Kyeong Cheol Shin, Eun Young Choi, Hyun Jung Jin, June Hong Ahn, Kwan Ho Lee
- PA1475 Assessment of senior medical students in the field of bronchial asthma. Final results of the study ASSA (2014-2016)**
Roman Bontsevich (Belgorod, Russian Federation), Kristina Shchurovskaya, Natalya Goncharova, Yulia Feoktistova, Elena Popova, Elena Luchinina, Valeriya Barysheva, Margarita Malkina, Olga Kompaniets
- PA1476 Assessing an Educational Intervention to Improve Recognition of Frailty in Hospitalized Patients with COPD**
Nermin Diab (Ottawa, Canada), Aaron Leblanc, Chantal Backman, Jan Leahy, Sonia Joannis, Shirley Huang, Tammy Pulfer, Alan Forster, Sunita Mulpuru
- PA1477 Students' knowledge of bronchial asthma: ASSA-1 and ASSA-2 results comparison**
Roman Bontsevich (Belgorod, Russian Federation), Alina Mikhno, Kristina Shchurovskaya, Natalya Goncharova, Galina Batisheva, Valeriya Barysheva, Galina Ketova, Olena Myronenko, Guzel Bikkinina, Zhanna Zhdanova, Tatyana Pokrovskaya
- PA1478 A new patient-centered classification system for adverse drug reactions**
Franck Rahaghi (Weston, United States of America), Steven Tunnicliffe, Vianca Reeves, Starlet Harrimon, William Kernan
- PA1479 The importance of inhaler technique education in asthma and COPD: a long-term follow-up**
Titia Klemmeier-Boekhout (Bedum, Netherlands), Luc H. Steenhuis, Siebrig Schokker
- PA1480 Level of expertise in TB diagnosis among general practitioners**
Marina A. Yakimova (Moscow, Russian Federation), Victor Punga, Oksana Komissarova
- PA1481 Do UK postgraduate medical trainees prefer to do mentor supported respiratory quality improvement projects compared to traditional audit?**
Aklak Choudhury (Essex, United Kingdom), Juan Alcolado
- PA1482 Artificial Intelligence applied to asthma biomedical research: a systematic review**
Claudio Micheletto (S.Giovanni Lupatoto, Italy), Alberto Malva, Fabio Arpinelli, Giuseppe Recchia, Robert Alexander
- PA1483 The assessment of physicians' knowledge of community-acquired pneumonia basics: KNOCAP study**
Roman Bontsevich (Belgorod, Russian Federation), Anna Gavrilova, Galina Prozorova, Olena Myronenko, Tatiana Shagieva, Olga Kompaniets, Valeriya Barysheva, Galina Ketova, Elena Luchinina, Elena Miliutina, Tatyana Filinichenko, Olga Osipova
- PA1484 Lowering the p value threshold in recently published Respiratory Medicine RCTs**
Neeraj Shah (New Malden (Surrey), United Kingdom), Akanksha Malhotra, Kathryn Le Grice
- PA1485 Students' knowledge of COPD: projects ASCO-1 and ASCO--2 results comparison**
Roman Bontsevich (Belgorod, Russian Federation), Tatyana Filinichenko, Anna Gavrilova, Kristina Shchurovskaya, Galina Batisheva, Natalya Goncharova, Galina Ketova, Valeriya Barysheva, Olena Myronenko, Olga Kompaniets, Elena Miliutina, Alina Mikhno, Zhanna Zhdanova
- PA1486 Improving our patients' understanding of their asthma**
Emily Heiden (Winchester (Hampshire), United Kingdom), Maddie Rason, Jen Marshall, Jessica Gates, David Lodge, Rachel Harvey, Matt Jones, Tom Brown, Anoop Chauhan, Suresh Babu, Hitasha Rupani
- PA1487 Multidisciplinary diagnosis of interstitial lung disease: a retrospective analysis**
Ana Raquel Magalhães (Lisboa, Portugal), Inês Moreira, Alexandra Borba, João Cardoso
- PA1488 Team Based Learning is a helpful strategy for teaching respiratory guidelines to Trainee Medical Doctors.**
Aklak Choudhury (Essex, United Kingdom), Daniella Draicchio, John Alcolado
- PA1489 Pulmonary hypertension – an unmet need in undergraduate medical education**
Natalie Hill (London, United Kingdom), Nordita Bascon, Natalie Barnes, Brendan Madden

8B

Session 144

13:00 - 14:30

Lunchtime session: An update on chronic obstructive pulmonary disease
A joint ERS/New England Journal of Medicine (NEJM) session

Aims : to review current knowledge of COPD pathobiology, diagnosis and new treatments.

Disease(s) : Airway diseases**Method(s) :** Cell and molecular biology Epidemiology Physiology Pulmonary function testing**Tag(s) :** Clinical**Target audience :** General practitioner, Lung function technologist, Nurse, Pathologist, Patient, Radiologist, Adult pulmonologist/Clinician**Chairs :** Jeffrey Drazen (Boston, United States of America), Leonardo Michele Fabbri (Modena, Italy)

13:00	The biology of COPD James Hogg (Vancouver (BC), Canada), Alvar Agusti Garcia-Navarro (Barcelona, Spain)	1490
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13:35	The clinical diagnosis and treatment of COPD Bartolome R. Celli Croquer (Boston, United States of America), Jadwiga Wedzicha (London, United Kingdom)	1491
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14:10	Panel discussion	1492
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9C Session 145 13:00 - 14:15

Assembly members' meeting: Assembly 2: Respiratory intensive care**Chairs :** Raffaele Scala (Arezzo, Italy), Leo Heunks (Amsterdam, Netherlands)

8C Session 146 13:00 - 14:30

Championship: Respiratory Championship**Become a champion in respiratory medicine****Aims :** to watch four teams compete in a state-of-the-art review of the major fields of respiratory medicine. The audience will be able to participate as well by answering the questions with their mobile devices.**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Student, Trainee**Chairs :** Konrad E. Bloch (Zurich, Switzerland), Thomas Brack (Glarus, Switzerland)**Iberian Power**

Pilar Rivera Ortega (Manchester, United Kingdom), Ramon Antonio Tubio Perez (Noia, Spain), Daniel López-Padilla (Madrid, Spain)	1496
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Breath of Motherland

Evgeniia Makarova (Chelyabinsk, Russian Federation), Andrey Protasov (Samara, Russian Federation), Angelina Kraposhina (Krasnoyarsk (Krasnoyarsk), Russian Federation)	1493
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Forlì Chimaerae

Antonella Arcadu (Forlì (FC), Italy), Silvia Puglisi (Catania (CT), Italy), Fabio Sultani (Sassari (SS), Italy)	1494
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Thoracic Park

David Mccracken (Belfast (Belfast), United Kingdom), Ayman El-Nayal (Sheffield (South Yorkshire), United Kingdom), Andrew Ritchie (London, United Kingdom)	1495
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13:30	Introduction Konrad E. Bloch (Zurich, Switzerland), Thomas Brack (Glarus, Switzerland)	1497
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8A Session 147 13:00 - 14:15

Assembly members' meeting: Assembly 3: Basic and translational sciences**Chairs :** Pieter S. Hiemstra (Leiden, Netherlands), Catherine Greene (Dublin, Ireland)

N103 Session 149 13:00 - 14:15

Assembly members' meeting: Assembly 5: Airway diseases, asthma and COPD**Chairs :** Antonio Spanevello (Milan, Italy), Omar S. Usmani (London, United Kingdom)

N104 Session 150 13:00 - 14:15**Assembly members' meeting: Assembly 6: Epidemiology and environment****Chairs :** Christer Janson (Uppsala, Sweden), Charlotte Suppli Ulrik (Virum, Denmark)**6E** Session 151 13:00 - 14:15**Assembly members' meeting: Assembly 11: Thoracic oncology****Chairs :** Jan van Meerbeeck (Edegem (Antwerp), Belgium), Torsten Gerriet Blum (Berlin, Germany)**Ceremony of ERS Lifetime Achievement for Assmebly 11**
Speaker to be confirmed**6B** Session 152 13:00 - 14:15**Assembly members' meeting: Assembly 10: Respiratory infections****Chairs :** Graham H. Bothamley (London, United Kingdom), Eva Polverino (Barcelona, Spain)**6C** Session 153 13:00 - 14:15**Assembly members' meeting: Assembly 14: Clinical techniques, imaging and endoscopy****Chairs :** Jouke T. Annema (Amsterdam, Netherlands), Walter De Wever (Leuven, Belgium)**No Room** Session 14:30 - 17:00**Game Zone: GAME ZONE - SESSION 3****14:30** **Bronchoscopy**
Molla Imaduddin Ahmed (Leicester (Leicestershire), United Kingdom)**14:30** **Chest drain placement**
Maria Alvarenga Santos (Lisboa, Portugal)**14:30** **Cryobiopsy**
Julia N.S. d'Hooghe (Amsterdam, Netherlands)**14:30** **Endobronchial valve placement**
Rein Posthuma (Maastricht, Netherlands)**14:30** **Inspiratory muscle training**
Stefanie Van Linden (Wommelgem, Belgium)**14:30** **Rigid bronchoscopy**
Anna Salina (Riga, Latvia)**14:30** **Spirometry**
Aleksandar Bokan (Sremska Kamenica, Republic of Serbia)**14:30** **Thoracic ultrasound**
Maged Hassan (Plymouth, United Kingdom)**14:30** **Tracheal intubation**
Malek Chaabouni (Sfax, Tunisia)**8B** Session 169 14:45 - 16:45**Symposium: State of the art session: Respiratory infections****Aims :** to present the latest approaches to preventing development of active tuberculosis through treatment of latent disease; to understand the role of the fungal microbiome and its effect on lung immunity; to prevent nosocomial spread of non-tuberculous mycobacteria within the cystic fibrosis clinic, and nosocomial pneumonias, including ventilator-associated pneumonia, by adherence to evidence-based guidelines;

Disease(s) : Respiratory infections**Method(s) :** Epidemiology General respiratory patient care Public health Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Allergist, Clinical researcher, Critical/Intensive care physician, Paediatrician, Pathologist, Patient, Radiologist, Scientist (basic, translational), Student, Adult pulmonologist/Clinician**Chairs :** James D. Chalmers (Dundee (Angus), United Kingdom), Jakko van Ingen (Nijmegen, Netherlands), Graham H. Bothamley (London, United Kingdom)

14:45	Ceremony for ERS Research Award: Innovation in Non-Tuberculous Mycobacteria Science and Medicine Graham H. Bothamley (London, United Kingdom)	1539
14:55	Latent tuberculosis infection: a new paradigm Marcel Behr (Montréal, Canada)	1540
15:22	The fungal microbiome and its role in bronchiectasis Sanjay Haresh Chotirmall (Singapore, Singapore)	1541
15:50	Non-tuberculous mycobacteria in cystic fibrosis and non-cystic fibrosis Claire Andrejak (Amiens, France)	1542
16:17	Update on preventing and managing hospital-acquired and ventilatory-associated pneumonia Antoni Torres (Barcelona, Spain)	1543

7A Session 170 14:45 - 16:45**Hot topics: New trends in the management of pulmonary vascular disease****Pulmonary embolism/pulmonary arterial hypertension****Aims :** to provide an update on the diagnosis and management of pulmonary embolism in 2 special and challenging situations, including pregnant patients and those with cancer; to explain the pathogenic role of air pollution and the expectations regarding pulmonary denervation as a treatment option in pulmonary hypertension.**Disease(s) :** Pulmonary vascular diseases Respiratory critical care**Method(s) :** Epidemiology General respiratory patient care Imaging Respiratory intensive care Public health Physiology**Tag(s) :** Clinical**Target audience :** Clinical researcher, Critical/Intensive care physician, General practitioner, Nurse, Patient, Radiologist, Scientist (basic, translational), Student, Adult pulmonologist/Clinician**Chairs :** Sheila Ramjug (Altrincham, United Kingdom), Guy Meyer (Paris Cedex 15, France)

14:45	Managing pulmonary embolism in pregnancy Erik Klok (Leiden, Netherlands)	1544
15:15	Cancer-associated thrombosis Olivier Sanchez (Paris, France)	1545
15:45	Importance of environmental factors in pulmonary embolism and pulmonary arterial hypertension Luis Jara-Palomares (Sevilla, Spain)	1546
16:15	Pulmonary artery denervation is the future: pros Luke Howard (London, United Kingdom)	1547
16:30	Pulmonary artery denervation is the future: cons Anton Vonk Noordegraaf (Amsterdam, Netherlands)	1548

9E Session 171 14:45 - 16:45**Hot topics: Extracorporeal membrane oxygenation now and in the future****Aims :** to present the latest developments in extracorporeal membrane oxygenation (ECMO) including extracorporeal carbon dioxide removal (ECCO2R)**Disease(s) :** Respiratory critical care**Method(s) :** Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Clinical researcher, Critical/Intensive care physician, General practitioner, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Mirko Belliato (San Martino Siccomario, Italy), Marius M. Hoepfer (Hannover, Germany)

14:45	The EOLIA trial and ECMO in veno-venous extracorporeal membrane oxygenation therapy: where we are now and where to go Benjamin Seeliger (Hannover, Germany)	1549
15:15	ECCO2R: a method for the future? Vito Fanelli (Torino (TO), Italy)	1550
15:45	Mechanical ventilation in ECMO Christoph Fisser (Regensburg, Germany)	1551
16:15	Neuroprognostication in ECMO Mirko Belliato (San Martino Siccomario, Italy)	1552

9A Session 172 14:45 - 16:45

Symposium: NELSON: the Trafalgar of lung cancer screening?

Aims : to present NELSON results 1 year after the first data were released, consensus data on participant selection and consensus data on nodule handling to minimise the false positive rate; to discuss the cost-effectiveness of lung cancer screening; to address the ethical dilemma of screening current smokers.

Disease(s) : Thoracic oncology

Method(s) : Imaging Surgery

Target audience : General practitioner, Pathologist, Patient, Policy maker, Radiologist, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Jan van Meerbeeck (Edegem (Antwerp), Belgium), Marie-Pierre Revel (Paris, France)

14:45	Update on NELSON including its cost-effectiveness analysis Harry De Koning (Rotterdam, Netherlands)	1553
15:09	Screening for lung cancer: who should (not) be enrolled? Carey C. Thomson (Boston, United States of America)	1554
15:33	(Not) screening smokers: a patient's view Janette Rawlinson (Tipton, United Kingdom)	1555
15:57	How do we handle nodules to minimise the false positive rate? David Baldwin (Nottingham (Nottinghamshire), United Kingdom)	1556
16:21	Introduction on the ESR/ERS statement on low-dose lung cancer screening Hans-Ulrich Kauczor (Heidelberg, Germany)	1557

9C Session 173 14:45 - 16:45

Symposium: Respiratory muscle dysfunction in an intensive care unit

Aims : to assess the need for mechanical ventilation in patients with neuromyopathies; to present the main tools used to detect respiratory muscle dysfunction; to describe how markers of diaphragm dysfunction can help to manage patients, and to provide tools for preventing and treating respiratory muscle dysfunction in an intensive care unit.

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, Trainee

Chairs : Alexandre Demoule (Paris, France), Nicholas Hart (London, United Kingdom)

14:45	Ventilatory support for patients with neuromuscular disorders João Carlos Winck Fernandes Cruz (Vila Nova de Gaia, Portugal)	1558
15:15	Detection and assessment of diaphragm function in an intensive care unit Leo Heunks (Amsterdam, Netherlands)	1559
15:45	How assessment of diaphragm function can assist patient management Martin Dres (Paris, France)	1560
16:15	Prevention and treatment of respiratory muscle dysfunction Rik Gosselink (Leuven, Belgium)	1561

9D Session 174 14:45 - 16:45**Symposium: Future of cystic fibrosis care: insights from the Lancet Commission**

Aims : to describe the changing epidemiology of cystic fibrosis (CF), future challenges of clinical care and its delivery, improvement of CF care globally and assessment and funding of novel therapeutics and patient engagement; to learn more on the total health and economic costs of CF care over the next three decades; to inform key decision-makers, including healthcare planners and funding bodies, globally about CF care, providing a blueprint for the future.

Disease(s) : Airway diseases Paediatric respiratory diseases Respiratory infections

Method(s) : Epidemiology Physiology Public health

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Paediatrician, Patient, Physiologist, Physiotherapist, Policy maker, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Scott Bell (Brisbane (QLD), Australia), Felix Ratjen (Toronto (ON), Canada), Amparo Sole Jover (Valencia, Spain), Jonathan Grigg (London, United Kingdom)

14:45	Ceremony of ERS Excellence Award for Research in Cystic Fibrosis Jonathan Grigg (London, United Kingdom)	1562
14:55	The changing epidemiology of CF Milan Macek (Praha, Czech Republic)	1563
15:23	CF clinical care and its delivery: current and future challenges Susan Madge (London, United Kingdom)	1564
15:50	Building CF care models in developing nations Hector Gutierrez (Birmingham, United States of America)	1565
16:17	Novel therapeutics for CF Marcus Mall (Berlin, Germany)	1566

8C Session 175 14:45 - 16:45**Symposium: Metabolic alterations as a driver of chronicity in lung disease****A modern view of the Warburg effect**

Aims : to provide an overview of metabolic reprogramming and to enhance understanding of the Warburg effect; to summarise evidence of aberrant metabolic reprogramming in lung cancer and immune cells and to outline therapeutic approaches that target aberrant metabolic changes in chronic lung diseases

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Cell and molecular biology

Tag(s) : Translational

Target audience : Clinical researcher, Scientist (basic, translational), Student, Trainee

Chairs : Pieter S. Hiemstra (Leiden, Netherlands), Catherine Greene (Dublin, Ireland)

14:45	Mitochondria in health, aging and disease Silke Meiners (München, Germany)	1567
15:15	Defective metabolic adaptation in the pathogenesis of COPD Ian M. Adcock (London, United Kingdom)	1568
15:45	Metabolic reprogramming of immune cells Scott Budinger (Chicago, United States of America)	1569
16:15	Targeting metabolic reprogramming as a novel anti-fibrotic strategy Rachel Chambers (London, United Kingdom)	1570

9F Session 176 14:45 - 16:45**Lungs on Fire: Airway diseases?**

Aims : to explore the real-life challenging clinical cases in the innovative interactive session; to present the cases that have various levels of difficulty and often necessitate a differential diagnosis. This session is led by a discussant that will present the cases to a panel of experts and the audience. The discussant will encourage discussion among the panel of experts, who have never seen the cases, and additionally invite the audience in the reflexion and discussion of the cases presented to explore the various diagnostic and therapeutic options.

Disease(s) : Airway diseases Respiratory infections**Tag(s)** : Clinical**Target audience** : Adult pulmonologist/Clinician, Clinical researcher, Critical/Intensive care physician, Lung function technologist, General practitioner, Paediatrician, Nurse, Physiotherapist, Radiologist, Allergist, Trainee**Chairs** : Antonio Spanevello (Milan, Italy), Elisabeth H.D. Bel (Amsterdam, Netherlands), Jadwiga Wedzicha (London, United Kingdom), Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)**Discussants** : Michael Tamm (Basel, Switzerland)

	Case 1 - Author: Masaki Yamamoto (Japan)	1572
	Case 2 - Author: Sugeesha Wickramasinghe (Sri Lanka)	1573
	Case 3 - Author: Ezequiel Baran (Argentina)	1574
	Case 4 - Author: Bruno de Aguiar Mendes (Portugal)	1575
	Case 5 - Author: Andrea Portacci (Italy)	1576
	Case 6 - Author: Xavier Atencio (Puerto Rico)	1577
14:45	Introduction and case presentations by the session facilitator Michael Tamm (Basel, Switzerland)	1571

8A Session 177 14:45 - 16:45**Symposium: The added value of allied healthcare professionals in integrated respiratory care****Aims** : to enhance understanding of the diagnostic and therapeutic options available to psychologists, occupational therapists, dieticians and nurses for adult patients with chronic lung diseases and to highlight the added value of allied healthcare professionals in integrated respiratory care in 2019.**Disease(s)** : Airway diseases**Method(s)** : General respiratory patient care Palliative care Pulmonary rehabilitation**Tag(s)** : Clinical**Target audience** : Clinical researcher, General practitioner, Nurse, Patient, Physiotherapist, Policy maker, Student, Trainee, Adult pulmonologist/Clinician**Chairs** : Martijn A. Spruit (Horn, Netherlands), Alda Sofia Pires De Dias Marques (Aveiro, Portugal)

14:45	Patient perspective Bill Mansell (Surrey, United Kingdom)	1578
14:55	Occupational therapy: making daily life easier Louise Sewell (Leicestershire, United Kingdom)	1579
15:22	Psychological counselling: train the brain! Andreas Von Leupoldt (Leuven, Belgium)	1580
15:50	Dietary counselling: the fatter the better? Corrine Hanson (Omaha, United States of America)	1581
16:17	Nurses: the spider in the web of integrated respiratory care? Eileen Collins (Chicago, United States of America)	1582

9B Session 178 14:45 - 16:45**Oral presentation: Powerful cohort studies with/without lung function****Disease(s)** : Airway diseases Respiratory critical care**Method(s)** : Epidemiology Public health**Chairs** : Joan B Soriano (Madrid, Spain), Frank van Leth (Amsterdam, Netherlands)

OA1583	Late Breaking Abstract - Short-term and maintenance oral corticosteroid use for German patients with asthma Cassandra Nan (Gothenburg, Sweden), Cassandra Nan, Robert Lindner, Yasemin Ilgin, Thomas Schultz, Olaf Schmidt, Lykke Hinsch Gylvin, Eugene Bleecker
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- OA1584** **Body mass index, weight gain and activity-related breathlessness: the Swedish CardioPulmonary bioImage Study**
Magnus Ekström (Lyckeby, Sweden), Anders Blomberg, Göran Bergström, John Brandberg, Kenneth Caidahl, Gunnar Engström, Jan Engvall, Maria Eriksson, Klas Gränsbo, Tomas Hansen, Tomas Jernberg, Lars Nilsson, Ulf Nilsson, Anna-Carin Olin, Lennart Persson, Annika Rosengren, Martin Sandelin, Magnus Sköld, Johan Sundström, Eva Swahn, Stefan Söderberg, Hanan Tanash, Kjell Torén, Carl-Johan Östgren, Eva Lindberg
- OA1585** **Risk of respiratory-related death in individuals with COPD and asthma: a competing risk analysis**
Alicia Gayle (London, United Kingdom), Cosetta Minelli, Jennifer Quint
- OA1586** **Prevalence and incidence of chronic cough in middle-aged and older subjects: The Rotterdam Study**
Johnmary Tochukwu Arinze (Rotterdam, Netherlands), Emmely W. Van De Roos, Katia M. C. Verhamme, Bruno Stricker, Guy G. Brusselle
- OA1587** **Determinants of long-term changes in ADO prognostic score in UK COPD primary care patients: results from The Health Improvement Network**
Spencer Keene (Maastricht, Netherlands), Rachel Jordan, Frank De Vries, Frits Franssen, Alice Sitch, James Martin, Tom Marshall, Peymane Adab
- OA1588** **Rate of FVC decline in a primary care UK Chronic Obstructive Pulmonary Disease (COPD) population**
Hannah Whittaker (London, United Kingdom), Jeanne Pimenta, Steven Kiddle, Jennifer Quint
- OA1589** **Maternal iron supplementation in pregnancy and asthma in the offspring: follow-up of a randomised trial.**
Seif Shaheen (London, United Kingdom), Mika Gissler, Graham Devereux, Maijaliisa Erkkola, Harry Mcardle, Aziz Sheikh, Bright Nwaru
- OA1590** **Allergic respiratory patterns, their exposures and COPD risk in middle age**
Dinh Bui (Melbourne (VIC), Australia), Jennifer Perret, Hayden Walters, Michael Abramson, John Burgess, Minh Bui, Gayan Bowatte, Adrian Lowe, Melissa Russell, Garun Hamilton, Graham Giles, Stephen Morrison, Judith Garcia-Aymerich, Bircan Erbas, Deborah Jarvis, Cecilie Svanes, Alan James, Caroline Lodge, Shyamali Dharmage

6F

Session 179

14:45 - 16:45

Oral presentation: Innovative ways to diagnose and monitor children with lung diseases and sleep-disordered breathing

Disease(s) : Sleep and breathing disorders Airway diseases

Method(s) : Pulmonary function testing Epidemiology Physiology

Chairs : Graham Hall (Perth (WA), Australia), Refika Hamutcu Ersu (Ottawa, Canada)

- OA1591** **Late Breaking Abstract - The effects of intra-uterine growth restriction (IUGR) on lung function in school-age children born very preterm**
Michele Arigliani (Benevento, Italy), Chiara Stocco, Elena Valentini, Carlo De Pieri, Maria Elena Ferrar, Elisa Cuberli, Cristina Canciani, Paola Cogo
- OA1592** **Evaluation of sleep apnoea in children using tracheal sounds and suprasternal pressure**
Alessandro Amaddeo (Paris, France), Abdelkebir Sabil, Jorge Olmo Arroyo, Livio De Sanctis, Lucie Griffon, Sonia Khirani, Guillaume Baffet, Brigitte Fauroux
- OA1593** **Delta 12s index as a screening tool for obstructive sleep apnoea in children**
Antonia McBride (Manchester, United Kingdom), Lina See, Mudra Shah, Stuart Wilkinson, Mira De Kruijf, Omendra Narayan
- OA1594** **Novel capnographic indices estimate ventilation inhomogeneity similarly to Lung Clearance Index**
Olga Lagiou (Patras, Greece), Bettina Frauchiger, Ilias Theodorakopoulos, Kathryn Ramsey, Philipp Latzin, Sotirios Fouzas
- OA1595** **Patient-specific FEV1 reproducibility limits to more accurately track disease progression**
Sanja Stanojevic (Toronto (ON), Canada), Nicole Filipow, Felix Ratjen
- OA1596** **Low FEV1/FVC but normal FEV1 in childhood – risk factor or normal variant?**
Jenny Hallberg (Stockholm, Sweden), Anna Bergström, Ulrika Hellberg, Inger Kull, Eva Peterson, Erik Melén
- OA1597** **Indoor pollution or tobacco smoke exposure and lung function at 3 years in an African birth cohort**
Shaakira Chaya (Mokopane, South Africa), Rae Macginty, Zoltan Hantos, Carvern Jacobs, Aneesa Vanker, Graham Hall, Heather Zar, Diane Gray
- OA1598** **Cardiovascular Outcomes in Children who had Chronic Lung Disease of Prematurity in Infancy**
John Lowe (Cardiff (South Glamorgan), United Kingdom), Kylie Hart, Louise Yendle, Gillian Willets, Michael Cousins, Sailesh Kotecha

N103

Session 180

14:45 - 16:45

Oral presentation: Novel molecular pathways in lung cancer and COPD

Disease(s) : Thoracic oncology Airway diseases

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology General respiratory patient care Pulmonary function testing

Chairs : Philippe Bonniaud (Dijon, France), Eva Maria Garrido-Martin (Madrid, Spain)

- OA1599** **Late Breaking Abstract - Extracellular Nicotinamide Phosphoribosyltransferase (eNAMPT) is a biologic therapeutic target in preclinical and human radiation pneumonitis (RP).**
Alexander Garcia (Tucson, United States of America), Daniel Valera, Radu Oita, Liliana Moreno-Vinasco, Nancy Casanova, Joe GN Garcia
- OA1600** **LSC - 2019 - Assessment of platelet to lymphocyte ratio and neutrophil to lymphocyte ratio as biomarkers of steroid resistance in patients with COPD**
Aliaksei Kadushkin (Minsk, Belarus), Aliaksei Kadushkin, Anatoli Tahanovich, Anastasiya Arabey, Liudmila Shishlo, Andrey Savchanka, Liudmila Movchan
- OA1601** **A study of the airway mycobiome in COPD patients and controls**
Einar Marius Hjellestad Martinsen (Bjoa, Norway), Tomas Mikal Lind Eagan, Elise Orvedal Leiten, Ingvild Haaland, Gunnar Reksten Husebø, Walter Sanseverino, Andreu Paytuvi-Gallart, Rune Nielsen
- OA1602** **Cigarette smoking altered gut microbiota in a mouse model: the microbial lung-gut axis**
Wei Xiao (Chengdu, China), Wei Xiao, Juan-Juan Fu, Ti-Wei Miao, Bing Mao
- OA1603** **The selection of candidate microRNA biomarkers of acquired drug resistance in the lung adenocarcinoma cells treated with EGFR TKI**
Adam Szpechciński (Warszawa, Poland), Mateusz Florczuk, Stefan Rudzinski, Dorota Giedronowicz, Renata Langfort, Joanna Chorostowska-Wynimko
- OA1604** **Overexpression of LincR-PICALM promotes lung cancer proliferation and metastasis by miR-199a-3p suppression and cis-regulation**
Zhongqi Chen (Nanjing (Jiangsu), China), Mao Huang, Ningfei Ji, Mingshun Zhang
- OA1605** **Chaperone-Mediated Autophagy-Dependent Chemoresistance in Non-Small Cell Lung Cancer**
Akihiro Ichikawa (Tokyo, Japan), Yu Fujita, Yusuke Hosaka, Tsukasa Kadota, Akihiko Ito, Takayuki Nakano, Nayuta Saito, Masahiro Yoshida, Shunsuke Minagawa, Takanori Numata, Hiromichi Hara, Takahiro Ochiya, Jun Araya, Yumi Kaneko, Kazuyoshi Kuwano
- OA1606** **Is Fezakinumab, an anti-IL22 antibody, a putative novel therapy for a subset of severe asthma?**
Yusef Badi (London, United Kingdom), Ana B Pavel, John H Riley, Kian F Chung, Emma Guttman-Yassky, Ian M Adcock

N104

Session 181

14:45 - 16:45

Oral presentation: Pathogenesis and prognosis of interstitial lung disease of known origin

Disease(s) : Interstitial lung diseases

Method(s) : Endoscopy and interventional pulmonology Epidemiology Cell and molecular biology General respiratory patient care

Chairs : Elena Bargagli (Siena, Italy), Antje Prasse (Hannover, Germany)

- OA1607** **Identification of indoor fungal antigens in assessment of hypersensitivity pneumonitis – an alternate approach**
Fernanda Ines Hernandez Gonzalez (Barcelona, Spain), Maria Angeles Calvo, Leonardo Arosemena Angulo, Marcelo Sanchez, Mariana Benegas, Jose Ramirez, Carmen M Lucena, Carlos Agusti, Marc Boada, Raul Castellanos, Sebastian C Rodriguez-Garcia, Irina Bobolea, Ebymar Arismendi, Mariona Pascal, Odette Viñas, Estibaliz Ruiz, Sergio Prieto Gonzalez, Gerard Espinosa, Sandra Cuerpo, Joel Francesqui, Jacobo Sellares
- OA1608** **Cellular consequences of uncharacterized surfactant protein-A2 (SFTPA2)-gene mutations associated with familial IPF and lung cancer**
Martina Korfei (Gießen, Germany), Katharina Guenther, Werner Seeger, Andreas Guenther
- OA1609** **Nintedanib mediates effective modulation of relevant pro-fibrotic biomarkers ex vivo**
Christina Hesse (Hannover, Germany), Stefan -lutz Wollin, Sebastian Konzok, Monika Niehof, Diana Leeming, Sarah Rönnow, Jannie Sand, Peter Braubach, Danny Jonigk, Mark Kühnel, Gregor Warnecke, Hans-Gerd Fieguth, Olaf Pfennig, Katherina Sewald, Armin Braun
- OA1610** **Identification of an IL-6-dependent macrophage population required for driving fibrotic disease**
Emma Doran (South San Francisco, United States of America), Darren Ruane, Alexander R Abbas, Daryle Depianto, Patrick Caplazi, Claire L Emson, Joseph R Arron

OA1611 Squeaks in hypersensitivity pneumonitis: prevalence and clinical correlates
Eleni Diamanti (Lausanne, Switzerland), Cecile Daccord, Selma Ahmetovic, Nathalie Bacco, Romain Lazor

OA1612 Should we biopsy one or two lobes? – diagnostic yield and risks of transbronchial lung cryobiopsy
Nuno Filipe Teixeira China Pereira (Porto, Portugal), Daniela Machado, Inês Sucena, Daniel Coutinho, Carla Nogueira, Inês Marques, Agostinho Sanches, Ana Oliveira, Jose Almeida, Sérgio Campinha, Sofia Neves

OA1613 Pneumotox metrics: Drugs, patterns, users and countries. Foreground and quiet zones
Philippe Camus (Dijon, France), Clio Camus, Guillaume Beltramo, Philippe Bonniaud

6E Session 182 14:45 - 16:45

Oral presentation: Interventional pulmonology: a mixture of spices

Disease(s) : Thoracic oncology Interstitial lung diseases Airway diseases Pulmonary vascular diseases

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Surgery

Chairs : Prashant Nemichand Chhajed (Mumbai, India), Daniela Gompelmann (Heidelberg, Germany)

OA1614 Late Breaking Abstract - Safety and Performance of Total Lung Access to Peripheral Nodules in prospective, multi-center study
Felix J.F. Herth (Heidelberg, Germany), Jiayuan Sun, Anil Vichani, Gerard J Criner, Shiyue Li, Daniel Nadar, Bing Lam, Lisa Kopas, Momen Wahidi, Adnan Majid, Felix J.F. Herth

OA1615 A double-blind, randomized, sham-controlled study of Targeted Lung Denervation in patients with moderate to severe COPD : AIRFLOW-2 One Year Outcomes
Arschang Valipour (Wien, Austria), Pallav Shah, Felix Herth, Christophe Pison, Christian Schumann, Ralf-Harto Hübner, Peter Bonta, Romain Kessler, Wolfgang Gesierich, Kaid Darwiche, Bernd Lamprecht, Thierry Perez, Dirk Skowasch, Gaetan Deslee, Armelle Marceau, Frank Sciurba, Reinoud Gosens, Jorine Hartman, Karthi Srikanthan, Marina Duller, Dirk-Jan Slebos

OA1616 Bronchial thermoplasty induced reduction of airway smooth muscle: results from the randomized controlled TASMA trial
Annika W.M. Goorsenberg (Amsterdam, Netherlands), Julia N.S. D'Hooghe, Nick H.T. Ten Hacken, Els J.M. Weersink, Joris J.T.H. Roelofs, Karthi Srikanthan, Pallav L. Shah, Jouke T. Annema, Peter I. Bonta

OA1617 Comparison between the diagnostic yield of tissue Xpert MTB/Rif assay and culture in pleural tuberculosis patients.
Nousheen Akhter (Karachi, Pakistan), Kamran Khan, Dimple Chawla, Nadeem Rizvi

OA1618 How to measure the size of the bronchial fistula?
Alexander Bazhenov (Ekaterinburg, Russian Federation), Igor Motus, Anna Tsvirenko, Rauf Basyrov, Ivan Dotsenko, Igor Medvinsky, Lev Kardopoltsev

OA1619 Closure of bronchopleural fistula with bronchoscopic placement of ventricular septal defect occluders.
Yishi Li (Chongqing, China), Jinyue Jiang, Shuliang Guo, Xinzhu Liu, Xingxing Jin, Yang Xiao, Meiling Xiao

OA1620 A pilot study of endobronchial ultrasound guided cryobiopsy using extra-large size guide sheath
Takashi Niwa (Yokohama, Japan), Tomohisa Baba, Erina Tabata, Ryota Shintani, Satoshi Ikeda, Hiroko Okabayashi, Tsuneyuki Oda, Ryo Okuda, Akimasa Sekine, Hideya Kitamura, Shigeru Komatsu, Eri Hagiwara, Takashi Ogura

OA1621 Widening the scope of Cryobiopsy for ILD– Pulmonary Hypertension (PH) may not necessarily be a contraindication
Rajani Surendar Bhat (Bangalore (Karnataka), India), Pooja Bajaj, Hariprasad Kalpakam, Shivalingaswamy Salimath, Ravindra Mehta

N101+102 Session 183 14:45 - 16:45

Oral presentation: Revealing novel asthma immunopathology endotypes

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology

Chairs : Sven-Erik Dahlén (Stockholm, Sweden), Marco Idzko (Wien, Austria)

OA1622 Late Breaking Abstract - Microbiome-driven clusters in severe asthma derived from induced sputum: identification and stability over time.
Mahmoud Ismael Abdelaziz Ibrahim (Amsterdam, Netherlands), Paul Brinkman, Susanne Vijverberg, Anne Neerinx, John Riley, Stewart Bates, Simone Hashimoto, Kian Chung, Ratko Djukanovic, Sven-Erik Dahlén, Ian Adcock, Peter Howarth, Peter Sterk, Aletta Kraneveld, Anke-Hilse Maitland-Van Der Zee

OA1623 LSC - 2019 - Azithromycin modulates viral-induced asthma exacerbation by targeting the innate immune response
Thi Hiep Nguyen (North Lambton, Australia), Thi Hiep Nguyen, Fiona Eyers, Ming Yang, Paul Foster

- OA1624 LSC - 2019 - The role of miR-155 in a mouse model of TDI-induced asthma**
Tania Maes (Ghent, Belgium), Evy Blomme, Sharen Provoost, Lore Polaris, Hannelore Van Eeckhoutte, Louise Vandenbroucke, Fien Verhamme, Guy Joos, Guy Brusselle, Jeroen Vanoirbeek, Tania Maes
- OA1625 Apolipoprotein A-IV is reduced in serum of allergic patients and acts as an endogenous anti-inflammatory protein.**
Eva Sturm (Graz, Austria), David Roula, Anna Theiler, Petra Luschnig, Gunter J. Sturm, Peter V. Tomazic, Gunther Marsche, Akos Heinemann
- OA1626 The potential role of Neuromedin U in human type-2 immunity**
YUAN YE (OXFORD, United Kingdom), Luzheng Xue
- OA1627 Resolvin E3 dampens asthmatic inflammation in a murine model through IL-23 pathway**
Makiko Sato (Gunma, Japan), Haruka Aoki-Saito, Hayato Fukuda, Hiroyuki Ikeda, Yasuhiko Koga, Masakiyo Yatomi, Hiroaki Tsurumaki, Kazutaka Takehara, Takashi Nakakura, Tetsuya Mori, Tsugumichi Saito, Kunio Dobashi, Masanobu Yamada, Satoshi Shuto, Takeshi Hisada
- OA1628 Cigarette smoking extracts stimulated human neutrophils to release neutrophil extracellular traps through a mitochondrial ROS-dependent way**
Jun Chen (Chengdu, China), Jun Chen, Tao Wang, Xiaou Li, Fuqiang Wen
- OA1629 Role of Inducible bronchial-associated lymphoid tissue (iBALT) in airway remodelling of murine chronic asthma model**
Aya Watanabe (Kyoto, Japan), Atsuyasu Sato, Tatsushi Mizutani, Yoko Hamakawa, Kiyoshi Uemasu, Toyohiro Hirai

6A

Session 184

14:45 - 16:45

Poster discussion: Exploring exercise responses in respiratory diseases

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#) [Sleep and breathing disorders](#) [Pulmonary vascular diseases](#) [Thoracic oncology](#)

Method(s) : Physiology Pulmonary function testing Pulmonary rehabilitation Epidemiology Public health Cell and molecular biology General respiratory patient care Imaging

Chairs : Samuel Vergès (Grenoble, France), Mathieu Marillier (Kingston, Canada)

- PA1630 Ultrasound elastography assessment of rectus femoris of patients with COPD**
Gang Hou (Shenyang (Liaoning), China), Qin Zhang, Bin Jiang, Qiu-Yue Wang, Jian Kang
- PA1631 Effects of acetazolamide on exercise performance in patients with COPD at high altitude. RCT.**
Roman Kind (Zürich, Switzerland), Michael Furian, Aline Buergin, Philipp Scheiwiller, Laura Mayer, Simon Schneider, Maamed Mademilov, Berik Emilov, Mona Lichtblau, Lara Muralt, Ulan Sheraliev, Nurridin Marazhapov, Talant Sooronbaev, Silvia Ulrich, Konrad E. Bloch
- PA1632 Impact of nebulized fentanyl on exertional dyspnea in interstitial lung disease**
Kathryn Milne (Kingston, Canada), Megha Ibrahim-Masthan, Amany Elbehairy, J. Alberto Neder, Denis O'Donnell
- PA1633 Relationship between changes in dynamic hyperinflation and cardiovascular parameters during exercise in patients with COPD**
József Lukácsovits (Budapest, Hungary), Csaba Máthé, György Losonczy, János Varga
- PA1634 Resting ventilation inhomogeneity may affect ventilatory response during exercise and maximal exercise capacity in COPD patients**
Ernesto Crisafulli (Modena (MO), Italy), Alessandra Anna Manco, Roberta Pisi, Chiara Longo, Alberto Fantin, Marina Aiello, Panagiota Tzani, Veronica Alfieri, Giuseppina Bertorelli, Alfredo Chetta
- PA1635 Critical inspiratory constraints and excess ventilation are superior to breathing reserve in predicting exertional dyspnoea in COPD**
J. Alberto Neder (Kingston (ON), Canada), Danilo C. Berton, Mathieu Marillier, Anne-Catherine Bernard, Denis E. O'Donnell
- PA1636 Voxelotor, which left shifts the oxy-hemoglobin dissociation curve, improves oxygen desaturation in IPF patients during maximal exercise**
Nicholas Vlahakis (South San Francisco, United States of America), Sandy Dixon, Josh Lehrer, Kenneth Beck
- PA1637 Cardiopulmonary exercise testing in the investigation of unexplained dyspnoea: the role of inspiratory constraints and ventilatory inefficiency**
J. Alberto Neder (Kingston (ON), Canada), Danilo C Berton, Mathieu Marillier, Anne-Catherine Bernard, Denis E. O'Donnell

- PA1638** **A new submaximal prediction model of VO₂max in lung surgery patients using the Oxygen Uptake Efficiency Slope (OUES)**
Martijn D. De Kruif (Heerlen, Netherlands), Lynn Van Den Broek, Melchior A.D. Dimbour, Henk Bindels, Joost G. Van Den Aardweg
- PA1639** **Exercise normalizes alveolar exosomes in smoke-exposed mice**
Asghar Abbasi (Torrance, United States of America), Steven A. Vitorino, M. Reza Mohammadi, Anastasia Lucas, Cynthia Indralingam, Weian Zhao, Ellen C. Breen, Harry B. Rossiter
- PA1640** **Respiratory cardiac and metabolic responses during NMES in quadriceps versus a comparable voluntary muscle contraction. A prospective pilot study.**
Eleni Kortianou (Athens (Alimos), Greece), Evaggelia Papafilippou, Andonios Karagkounis, Savvas Spanos, Eleni Kapreli
- PA1641** **Changes in exhaled breath temperature after physical exercise, measured by a fractioning device**
Marina Labor (Zagreb, Croatia), Peter Dimov, Davor Plavec
- PA1642** **Exercise performance of life-long highlanders**
Aglia Forrer (Thalwil, Switzerland), Michael Furian, Philipp M. Scheiwiller, Maamed Mademilov, Mona Lichtblau, Stéphanie Saxer, Patrick R. Bader, Silvia Ulrich, Talant M. Sooronbaev, Konrad E. Bloch
- PA1643** **Ventilatory responses to subsystolic cuffing during submaximal exercise in heart failure**
Joshua Smith (Rochester, United States of America), Erik Van Iterson, Eric Bruhn, Jessica Berg, Thomas Olson
- PA1644** **Exercise capacity in obstructive sleep apnoea patients: An individual patient data and aggregate meta-analysis**
Frederic Roche (Saint Etienne, France), Mathieu Berger, Christopher E. Kline, Felipe X. Cepeda, Camila F. Rizzi, Céline Chapelle, Silvy Laporte, David Hupin, Jérémy Raffin, Frédéric Costes, Trent Hargens, Jean-Claude Barthélémy
- PA1645** **Resting V_E / V_ECO₂ is a strong predictor of exertional dyspnoea in COPD**
Danilo Cortozi Berton (Porto Alegre (RS), Brazil), Mathieu Marillier, Anne-Catherine Bernard, Denis E. O'Donnell, J. Alberto Neder
- PA1646** **NEUROMUSCULAR EFFICIENCY DURING EXERCISE IN COPD PATIENTS**
Murillo Frazão de Lima e Costa (Cabedelo (PB), Brazil), Amilton Da Cruz Santos, Flávia Maria Pinheiro Paulino, Géssica Gomes Jerônimo, Michel Platini Urtiga Romualdo, Alex Andrade Araújo, Maria Do Socorro Brasileiro-Santos
- PA1647** **Decreased brain interhemispheric connectivity in COPD**
Vincent Cabibel (Montpellier, France), Nelly Héraud, François Alexandre, Nicolas Oliver, Alain Varray

6B

Session 185

14:45 - 16:45

Poster discussion: Treatment of asthma with monoclonal antibodies

Disease(s) : [Airway diseases](#) [Pulmonary vascular diseases](#)

Method(s) : General respiratory patient care Endoscopy and interventional pulmonology Physiology Cell and molecular biology

Chairs : Roland Buhl (Mainz, Germany), Matteo Bonini (London, United Kingdom)

- PA1648** **Late Breaking Abstract - Daily physical activity in patients with severe asthma and the effect of anti-IL5 therapy.**
Nikoletta Rovina (Athens, Greece), Marios Panagiotou, Nikolaos Koulouris, Antonia Koutsoukou, Maria Tsami, Ekaterini Syrigou
- PA1649** **Late Breaking Abstract - Preclinical study of anti-interleukin-4 alpha single domain antibody with therapeutic potential in asthma by oral inhalation**
Yakun Wan (Shanghai, China), Steve Gai, Huanhuan Cao, Min Zhu, Guanghui Li
- PA1650** **One year of mepolizumab in severe asthma in Italy: efficacy and safety**
Diego Bagnasco (GENOVA (GE), Italy), Marco Caminati, Francesco Menzella, Manlio Milanese, Alice Bragantini, Giovanni Rolla, Carlo Lombardi, Caterina Bucca, Enrico Heffler, Giovanni Paoletti, Cristiano Caruso, Giuseppe Guida, Marco Bonavia, Gianenrico Senna, Giorgio Walter Canonica, Giovanni Passalacqua
- PA1651** **Twelve month outcomes with Reslizumab treatment of Eosinophilic Granulomatosis with Polyangiitis**
Brian Kent (Dublin, Ireland), Grainne D'Ancona, Mariana Fernandes, Linda Green, Joanna Kavanagh, Alexandra Nanzer-Kelly, Cris Roxas, Sangita Agarwal, David Jackson
- PA1652** **Changing between anti-IL5 and anti-IL5 receptor treatments. A real-life study**
Anne Sofie Bjerrum (Århus, Denmark), Tina Skjold, Helle Andersen, Lene Pedersen, Johannes Schmid
- PA1653** **Real-life effectiveness of anti-IL-5(-receptor) antibody treatment in patients with severe eosinophilic asthma**
Lucas Ehrhard (Mainz, Germany), Stephanie Korn, Stefanie Voigt, Roland Buhl

- PA1654 Real-life experience with mepolizumab in the French early access program for severe eosinophilic asthma**
Camille Taillé (Paris, France), Alina Gruber, Pascal Chanez, Gilles Devouassoux, Alain Didier, Christophe Pison, Gilles Garcia, Arnaud Bourdin, Celine Pribil, Marc Humbert
-
- PA1655 Evaluation of therapeutic response to anti-IL5 treatment in severe eosinophilic asthma patients no responders to omalizumab**
Daniel Laorden Escudero (Madrid, Spain), Ester Zamarrón De Lucas, David Romero Ribate, Juan Fernández Lahera, Francisco García Río, Carlos Villasante Fernández, Rodolfo Álvarez-Sala Walther, Santiago Quirce Gancedo, Jose Manuel Padilla Brito, Pilar Barranco Sanz
-
- PA1656 Switch Omalizumab – Mepolizumab: real life experience**
Diego Bagnasco (GENOVA (GE), Italy), Francesco Menzella, Marco Caminati, Marco Bonavia, Giuseppe Guida, Cristiano Caruso, Giovanni Passalacqua
-
- PA1657 Characterization of omalizumab partitioning in the nasal mucosa of patients**
Rui Zhu (South San Francisco, United States of America), Ryan Owen, Tracy Staton, Kun Peng, Catherine Huang, Meire Bremer, Neeka Meshgin, Prajna Banerjee, Rebecca Bauer, Fang Cai
-
- PA1658 Systematic review and MAIC of OCS reduction with biologic asthma treatments**
Arnaud Bourdin (Montpellier Cedex 5, France), Don Husereau, Nicolas Molinari, Sarowar Golam, Mohd Kashif Siddiqui, Leandro Lindner, Xiao Xu
-
- PA1659 Benralizumab treatment and SARP cluster analysis**
Eugene R. Bleecker (Winston-Salem, United States of America), Xingnan Li, Paul Newbold, Ian Hirsch, Huashi Li, James Zangrilli, Mitchell Goldman, Deborah A. Meyers
-
- PA1660 The anti-IL-13 biologic tralokinumab did not alter expression of T2 and T17 transcription factors GATA3 and RORγT in bronchial biopsies**
Latifa Chachi (Leicester (Leicestershire), United Kingdom), Richard J Russell, Sarah Diver, Gillian Elliott, João P Sousa, Claire Emson, Janet Griffiths, Paul Newbold, Gene Colice, Christopher E Brightling
-
- PA1661 Computational modelling prediction and clinical validation of impact of benralizumab on airway smooth muscle mass in asthma**
Latifa Chachi (Leicester (Leicestershire), United Kingdom), Sarah Diver, Himanshu Kaul, Patricia Nisa, Paul Newbold, Christopher E Brightling
-
- PA1662 The effect of anti-IL-5 therapy on sputum cells and cytokines in asthmatics**
Tatjana Decaestecker (Leuven, Belgium), Saskia Bos, Sven Seys, Dominique Bullens, Lieven Dupont
-
- PA1663 FEV1 early response (ER) and super-response (SR) with reslizumab (RES) in eosinophilic asthma**
Johann Christian Virchow (Rostock, Germany), Lisa Hickey, Margaret Garin
-
- PA1664 Impact of age on the efficacy of anti-IL-5 monoclonal antibodies in severe asthmatics**
Stefania Principe (Palermo (PA), Italy), Luigino Calzetta, Alida Benfante, Paola Rogliani, Nicola Scichilone
-
- PA1665 Early treatment response may predict long-term mepolizumab benefit in severe asthma**
Johannes A Kroes (Leeuwarden, Netherlands), Mirjam I Wiegman, Akke-Nynke Van Der Meer, Rolof G P Gijtenbeek, Kim De Jong, Sander W Zielhuis, Eric N Van Roon, Anneke Ten Brinke

6C

Session 186

14:45 - 16:45

Poster discussion: Novel mechanisms elucidated by translational studies of COPD

Disease(s) : [Airway diseases](#)

Method(s) : Physiology Cell and molecular biology

Chairs : Colin Bingle (Sheffield (South Yorkshire), United Kingdom), Niki L. Reynaert (Maastricht, Netherlands)

- PA1666 LSC - 2019 - STAT-3 is activated in COPD airway epithelial cells.**
François Carlier (Wépion, Belgium), François Carlier, Bruno Detry, Yves Sibille, Charles Pilette
-
- PA1667 LSC - 2019 - Dysfunctional macrophage polarization in murine COPD exacerbation**
Barbro N. Melgert (Groningen, Netherlands), Anienke van der Veen, Mirjam P. Roffel, Corry-Anke Brandsma, Marina De Jager, Eduard Post, Maarten Van Den Berge, Ilse Boudewijn, Linsey De Groot, René Lutter, Ken Bracke, Tania Maes, Barbro Melgert, Irene Heijink
-
- PA1668 LSC - 2019 - Unraveling the role of miR-223-3p in the regulation of airway inflammation in asthma and COPD**
Mirjam P. Roffel (Groningen, Netherlands)

- PA1669 LSC - 2019 - Neutrophil-derived microvesicles are internalised by lung epithelial cells and induce inflammatory activation**
Merete Long (Sheffield, United Kingdom), Merete B. Long, Anjana Ajikumar, Katharine Lodge, Alison Condliffe, Victoria Ridger
- PA1670 Oxygen desaturation is associated with fibrocyte activation via epidermal growth factor receptor/hypoxia-inducible factor(HIF)-1a axis in COPD**
Chun-Hua Wang (Taipei, Taiwan), Chun-Yu Lo, Jung-Ru He, Tzu-Ting Huang, Kian Fan Chung
- PA1671 Differential phosphorylation patterns of macrophage cytoskeletal proteins in COPD following phagocytosis**
Katie L. Anders (London, United Kingdom), Kylie B. R. Belchamber, Peter J. Barnes, Louise E. Donnelly
- PA1672 Lysophosphatidylcholine acyltransferase in the development of lung emphysema**
Yu Mikami (Tokyo, Japan), Keisuke Hosoki, Hirotaka Matsuzaki, Kosuke Makita, Naoya Miyashita, Takahide Nagase
- PA1673 Lysosomal dysfunction in COPD pathogenesis.**
Nayuta Saito (Tokyo, Japan), Jun Araya, Akihiko Ito, Yusuke Hosaka, Akihiro Ichikawa, Tsukasa Kadota, Takayuki Nakano, Masahiro Yoshida, Yu Fujita, Hirofumi Utsumi, Mitsuo Hashimoto, Hiroshi Wakui, Shunsuke Minagawa, Hiromichi Hara, Takanori Numata, Yumi Kaneko, Kazuyoshi Kuwano
- PA1674 Rhinovirus induced innate immune responses in the epithelium of severe COPD**
Hong Guo-Parke (Belfast (Northern Ireland), United Kingdom), Aurelie Mousnier, Ultan Power, Sinéad Weldon, Lee Borthwick, Andrew Fisher, Clifford Taggart, Joe Kidney
- PA1675 A high probability of short-range interactions between fibrocytes and CD8 T cells in chronic obstructive pulmonary disease (COPD) lungs**
Elise Maurat (Pessac, France), Edmée Eyraud, Pierre Olivier Girodet, Mathieu Thumerel, Patrick Berger, Isabelle Dupin
- PA1676 Human lung CD1c dendritic cells orchestrate lymphoid neogenesis during COPD**
Thomas Naessens (Mölnådal, Sweden), Yannick Morias, Eva Hamrud, Ulf Gehrman, Johan Mattsson, Gabriel Skogberg, Elisabeth Israelsson, Kristofer Thörn, Faye Melville, Leen Seys, Ken Bracke, Karl Staples, Danen Cunoosamy, Guy Brusselle, Bart Lambrecht
- PA1677 Extracellular matrix molecules are differentially associated with airflow obstruction and lung parenchymal destruction in COPD**
Eleni Papakonstantinou (Thessaloniki, Greece), Desiree Schumann, Diana Leeming, Michael Tamm, Morten Karsdal, Daiana Stolz
- PA1678 Cigarette smoke decreases E-Cadherin expression downregulating FoxO3 in lung epithelial cells**
Serena Di Vincenzo (Palermo (PA), Italy), Claudia Sangiorgi, Maria Ferraro, Mark Gjomarkaj, Dennis K Ninaber, Pieter S Hiemstra, Elisabetta Pace
- PA1679 Temporal analysis of the intracellular signaling pathways involved in Th17/Treg response in COPD development**
Larissa Emidio de França Silva (São Paulo, Brazil), Juliana Dias Lourenço, Kaique Rodrigues Da Silva, Júlia Benini Kohler, Fernanda Paula Roncon Santana, Alyne Riani Moreira, Daniela Aparecida De Brito Cervilha, Sara Sumie Sobral Hamaguchi, Carla Máximo Prado, Rodolfo De Paula Vieira, Ana Paula Pereira Velosa, Juliana Tiyaki Ito, Fernanda Degobbi Tenorio Quirino Dos Santos Lopes
- PA1680 Wnt/ β -catenin signalling is upregulated in the COPD bronchial epithelium.**
François Carlier (Wépion, Belgium), Jérôme Ambroise, Sébastien Dupasquier, Bertrand Bearzatto, Charles Pilette
- PA1681 A subset of COPD patients defined by lung epithelial IL-6 trans-signalling is associated with neutrophilic inflammation and colonization by Haemophilus influenzae**
(), Sarah Diver, Chris Brightling, Henric Olsson
- PA1682 Exosomes are differentially present in bronchoalveolar lavage (BAL) of smokers and patients with COPD and IPF**
Erica Bazzan (Padova (PD), Italy), Claudia Maria Radu, Mariaenrica Tinè, Elisabetta Coconcelli, Davide Biondini, Graziella Turato, Paolo Simioni, Manuel G Cosio, Marina Saetta
- PA1683 Cathepsin S as a mediator of acute lung inflammation**
Michael C. McKelvey (Cullybackey, United Kingdom), Anthony Abladey, Richard Williams, Cecilia O'Kane, Daniel McAuley, Sinéad Weldon, Clifford Taggart

6D

Session 187

14:45 - 16:45

Poster discussion: Challenges in tobacco control and cessation

Disease(s) : Sleep and breathing disorders Airway diseases Pulmonary vascular diseases Respiratory critical care Thoracic oncology Interstitial lung diseases

Method(s) : General respiratory patient care Epidemiology Public health Pulmonary rehabilitation Pulmonary function testing Palliative care

Chairs : Philip Tønnesen (Glostrup, Denmark), Constantine Vardavas (Heraklion, Greece)

- PA1684 Immediate effects of smoking: does tobacco and electronic cigarettes differ?**
Nataliia Slepchenko (Vinnytsya, Ukraine), Yuriy Mostovoy, Kostiantyn Dmytriiev, Nataliia Tsybaliuk, Andrii Sidorov
-
- PA1685 Acute effects of vaping one e-cigarette in airway inflammation of asthmatic patients**
Athanasia Pataka (Thessaloniki, Greece), Serafim Chrysovalantis Kotoulas, Kalliopi Domvri, Despoina Papakosta, Dionysios Spyrtos, Konstantinos Porpodis, Evangelia Fouka, Aikaterini Markopoulou, Katalin Passa - Fekete, Ioanna Grigoriou, Evangelos Chatzopoulos, Theodoros Kontakiotis, Paraskevi Argyropoulou
-
- PA1686 Study of biochemical markers of oxidative stress in smokers versus nonsmokers with mixed anxious and depressive disorder**
Letitia Trofor (Iasi (Iasi), Romania), Cristinel Stefanescu, Mona Cioroiu, Ioana Buculei, Andrei Cernomaz, Milena Man, Dumitru Filipeanu, Daniela Robu, Antigona Trofor
-
- PA1687 Chemical characterization of smokeless tobacco products available in Tunisia**
Fatma Guezguez (M'Saken, Tunisia), Sonia Dridi-Dhaouadi, Mohamed Abdelwaheb, Ichraf Anane, Slaheddine Rekik, Saad Saguem, Sonia Rouatbi
-
- PA1688 Cigarette smoking is decreased in severe asthma and associated with chronic rhinosinusitis without nasal polyps**
Jose Antonio Castillo Vizuite (Sitges (Barcelona), Spain), César Picado, Vicente Plaza, Gustavo Rodrigo, Berta Juliá, Cristina Fernández, Joaquim Mullol
-
- PA1689 Subclinical effects of smoking on myocardial function in healthy smokers: a study of conventional and 'speckle tracking' echocardiography**
Özge Can Bostan (Ankara, Turkey), Beste Ozben Sadic, Tuba Bayram, Emel Eryuksel
-
- PA1690 Blended face-to-face and web-based smoking cessation treatment (BSCT): a description of patients' user experience (UX)**
Lutz Siemer (Enschede, Netherlands), Somaya Ben Allouch, Marcel E. Pieterse, Marjolein Brusse-Keizer, Robbert Sanderman, Marloes G Postel
-
- PA1691 Mild chronic obstructive pulmonary disease in smokers over the age of 30**
Maria Vershinina (Omsk, Russian Federation), Anna Khomenya, Olga Foronosova
-
- PA1692 Effects of oral pH changes on smoking desire**
Gökçen Ömeroğlu Şimşek (Izmir, Turkey), Gulser Kılınç, Begum Ergan, Oğuz Kılınç
-
- PA1693 Heated tobacco product marketing: internet platforms undermine regulations**
Elif Dagli (Istanbul, Turkey), Murat Guner, Ummuhan Sonmez, Fusun Yildiz, Pinar Ay, Osman Elbek, Murat Ceyhan, Tanzer Gezer
-
- PA1694 Tobacco use among inpatients: a cross-sectional point-prevalence study in two Portuguese hospitals**
Sofia Belo Ravara (Covilhã, Portugal), Lidia Videira, Soraia Ferreira, Claudia Correia, Ivone Pascoal, Ariadna Feliu, José Precioso, Esteve Fernandez, Cristina Martinez
-
- PA1695 Smoking cessation in Type 2 Diabetes and pre-diabetic patients – outcomes from a pilot health program for high risk smokers**
Oana Elena Rohozneanu (Iasi (Iasi), Romania), Lucia Maria Lotrean, Constantin Vardavas, Panagiotis Behrakis, Sophia Papadakis, Ioana Buculei, Letitia Trofor, Cristina Vicol, Antigona Trofor
-
- PA1696 Smoking habits of patients with Obstructive Sleep Apnea Syndrome.**
Athanasia Pataka (Thessaloniki, Greece), George Kalamaras, Seraphim Kotoulas, Evaggelos Chatzopoulos, Evaggelia Panagiotidou, Vasilios Mpikos, Sofia Akritidou, Katalin Fekete, Paraskevi Argyropoulou
-
- PA1697 Existing tobacco cessation therapies are effective for “Midwakh” smokers**
Zaid Zoumot (Abu Dhabi, United Arab Emirates), Sony Samuel, Iyaad Hasan, Irfan Shafiq, Ali Wahla, Yaser Abu El Sameed, Mateen Uzbeck
-
- PA1698 Effects of stage-matched repeated individual behavioural counselling as an intervention for the decreased and stopping smoking.**
Gopal Chawla (New Delhi (Delhi), India), Nupur Abrol, Vinod Sharma, Ram Niwas, Amrit Pal Kansal
-
- PA1699 Increasing smoking cessation (SC) rates through Facebook (FB). ("ToKANA")**
Zafeiria Barmparessou (Athens, Greece), Aliko Korkontzelou, Martha Andritsou, Eleni Biniari, Ourania Koltsida, Sotiria Schoretsaniti, Athina Diamanti, Nikolaos Athanasiou, Paraskevi Katsaounou

7B

Session 188

14:45 - 16:45

Poster discussion: Evaluation of basic science in airway diseases

Disease(s) : Airway diseases**Method(s) :** Cell and molecular biology Pulmonary function testing Physiology General respiratory patient care**Chairs :** Anirban Sinha (Amsterdam, Netherlands), Esther Barreiro Portela (Barcelona, Spain)

- PA1701 Metabolomic profiling differences among asthma, COPD and healthy controls: a LC-MS-based metabolomics analysis**
Chun Chang (Beijing, China), Ying Liang, Juan Wang, Yongchang Sun, Wanzhen Yao
-
- PA1702 Thymic stromal lymphopoietin, but not ezrin, could be an early biomarker of airway epithelial dysfunction in acute allergic asthma**
Virginija Kalinauskaite-Zukauske (Kaunas, Lithuania), Andrius Januskevicius, Ieva Janulaityte, Kestutis Malakauskas
-
- PA1703 Association between COPD bronchial brush microbiome-determined ?Proteobacteria:Firmicutes (G:F) ratio and GOLD grade and symptoms**
Mohammadali Yavari Ramsheh (Leicester (Leicestershire), United Kingdom), Koirobi Haldar, Michael Barer, Loems Ziegler-Heitbrock , Ivo Gut, Dave Singh, Christopher Brightling
-
- PA1704 Comprehensive Metabolic Profiling Reveals Metabolic Perturbances and Identifies Potential Biomarkers in Chronic Persistent Bronchial Asthma with Different Levels of Eosinophilia Percentage**
Jianqing She (Xi'an, China), Bo Zhou, Jianqing She
-
- PA1705 Particles in exhaled air (PExA) method - repeatability in children**
Maria Juusela (Espoo, Finland), Venla Aaltonen, Seppo Sarna, Erik Qvist, Kristiina Malmström
-
- PA1706 Relationship between salivary markers of oxidative stress (OS) and different levels of control of bronchial asthma (BA).**
Igor A. Klimanov (Moscow, Russian Federation), S.K. Soodaeva , E.V. Tush, N.I. Kubysheva , M.N. Izvolenskaya , T.I. Eliseeva , T.I. Kolegova , V.A. Kurashina , O.V. Khaletskaya, L.R. Murakaeva , M.V. Glukhova
-
- PA1707 Clinical application of sputum hydrogen sulfide and YKL-40 in Asthma, ACO and COPD**
Yasuhito Suzuki (Fukushima-City, Japan), Junpei Saito, Mami Rikimaru, Manabu Uematsu, Atsuro Fukuhara, Suguru Sato, Takaya Kawamata, Ryuichi Togawa, Yuki Sato, Takefumi Nikaido, Naoko Fukuhara, Yoshinori Tanino, Yoko Shibata
-
- PA1708 MCC-IMS Analyses of Volatile Markers from Exhaled Air for Detection of Bacterial Infection between nasal suction and exhalation through Mouth**
Gunther Becher (Bernau, Germany), Roman Purkhart, Thomas Junghans, Rolf Graupner
-
- PA1709 Comparing sputum rheology and spirometry as pathological markers in respiratory diseases**
Jeremy PATARIN (Saint Martin D'Herès, France), Étienne Ghiringhelli, Guillaume Darsy, Martinien Obamba, Matthieu Robert de Saint Vincent, Jean-Luc Cracowski, Boubou Camara, Sébastien Quétant, Jean-Louis Quésada, Claire Cracowski
-
- PA1710 Comparison of artificial neural networks and a standardized questionnaire for the diagnosis of COPD.**
Alirio Rodrigo Bastidas Goyes (Bogotá (Cundinamarca), Colombia), María Auxiliadora Oviedo Otero, María Camila Buitrago Pedraza, Natalia Sáenz Romero, Daniel Mainero Manotas , Loren Tatiana Zambrano Reyes, Juan Pablo Moreno
-
- PA1711 Breath volatile organic compound (VOC) patterns in adult asthma patients of the ALLIANCE cohort**
Olaf Holz, Benjamin Waschki, Sven Schuchardt, Henrik Watz, Oliver Fuchs, Erika Von Mutius, Gesine Hansen, Matthias Kopp, Klaus Rabe, Jens M. Hohlfeld, Thomas Bahmer
-
- PA1712 EXhaled Hydrogen peroxide As a marker of Lung disease – the EXHALE 1A study**
Matthew Jones (Portsmouth, United Kingdom), Matthew Jones, Daniel Neville, Jessica Gates, Thomas Jones, Carole Fogg, Mark Amos-Lyons, Milan Chauhan, Selina Begum, Jayne Longstaff, Jonathon Winter, Jane Williams, Jan Shute, Thomas Brown, Hitasha Rupani, Anoop Chauhan
-
- PA1713 What influence surfactant composition?**
Anna-Carin Olin (Göteborg, Sweden), Spela Kokelj, Ekaterina Mirgorodskaya, Christer Jansson, Mathias Holm, Laith Hussein, Björn Bake
-
- PA1714 The 6 Gene Signature in Whole Sampled Sputum provides Clinically Feasible Inflammatory Phenotyping of Asthma**
Laurits Frøssing (Copenhagen V, Denmark), Ditte Kjærsgaard Klein, Kathrine Baines, Peter Gibson, Vibeke Backer, Celeste Porsbjerg
-
- PA1715 Differential measurement of exhaled breath temperature allows characterization of the spread of inflammation in airways diseases**
Sandra Nora Gonzalez-Diaz (Monterrey, Mexico), Rosa Ivett Guzman-Avilan, Rosalaura Virginia Villarreal-Gonzalez, Cindy Elizabeth De Lira-Quezada, Todor Popov, Ignacio Ansotegui-Zubeldia, Mario Sanchez-Borges

PA1716 Endotrophin and von Willebrand factor processing as predictive markers for mortality in the ECLIPSE COPD cohort
Jannie Sand (Herlev, Denmark), Sarah Rønnow, Natasja Gudmann, Lasse Langholm, Morten Karsdal, Tina Manon-Jensen, Ruth Tal-Singer, Bruce Miller, Jørgen Vestbo, Diana Leeming

PA1717 Serum endostatin is a novel marker for COPD associated to lung function decline and exacerbation
Yanqiu Wu, Jiangyue Qin, Yongchun Shen, Fuqiang Wen

PA1718 Diurnal variation and repeatability of surfactant protein A and albumin in exhaled particles
Spela Kokelj (Göteborg, Sweden), Jeong-Lim Kim, Marianne Andersson, Björn Bake, Laith Hussain, Anna-Carin Olin

RETIRO

Session 189

14:45 - 16:45

Poster discussion: The world of idiopathic pulmonary fibrosis

Disease(s) : [Interstitial lung diseases](#)

Method(s) : General respiratory patient care Pulmonary function testing Palliative care Epidemiology

Chairs : Argyris Tzouveleakis (Athens, Greece), Julie Morisset (Montréal (QC), Canada)

PA1720 A Telemonitoring Homecare Platform for patients with Pulmonary Fibrosis
Ourania Kotsiou (Larisa, Greece), Foteini Malli, Panayiotis Tsanakas, Ilias Maglogiannis, Katerina Antoniou, Despina Papakosta, Eirini Vasarmidi, Christopher N Efthymiou, Konstantinos I Gourgoulisanis, Zoe Daniil

PA1721 HOME MONITORING WITH A PORTABLE OXYMETER AS AN ALTERNATIVE METHOD TO ASSESS OXYGEN SATURATION DURING DAILY ACTIVITIES IN INTERSTITIAL LUNG DISEASES (ILDs).
Sandra Cuerpo (Barcelona, Spain), Joel Francesqui, Fernanda Hernandez, Maria Palomo, Carmen Hernandez, Ivan Torralbo, Cristina Embid, Isabel Blanco, Jacobo Sellares

PA1722 IMPROVING HOME OXIGEN THERAPY IN PATIENTS WITH INTERSTITIAL LUNG DISEASES (ILDs): APPLICATION OF A PORTABLE NON-INVASIVE VENTILATION (NIV) DEVICE
Sandra Cuerpo (Barcelona, Spain), Joel Francesqui, Fernanda Hernandez, Maria Palomo, Carmen Hernandez, Isabel Blanco, Cristina Embid, Jacobo Sellares

PA1723 Multi-institutional prospective cohort study of prognostic factors in patients with idiopathic pulmonary fibrosis receiving long-term oxygen therapy.
Kensuke Kataoka (Seto (Aichi), Japan), Keishi Oda, Hajime Takizawa, Takashi Ogura, Atsushi Miyamoto, Mutsumi Sekiguchi, Shinobu Akagawa, Seishu Hashimoto, Tomoo Kishaba, Yoshinori Hasegawa, Naoki Hamada, Kazuyoshi Kuwano, Masayuki Nakayama, Masahito Ebina, Noriyuki Enomoto, Yasunari Miyazaki, Kenichiro Atsumi, Shinyu Izumi, Yoshinori Tanino, Hiroshi Ishii, Hiroshi Ohnishi, Yasuhiro Kondoh

PA1724 Risk factors for diagnostic delay in a prospective IPF-cohort
Nils Hoyer (København NV, Denmark), Thomas Skovhus Prior, Elisabeth Bendstrup, Torgny Wilcke, Saher Burhan Shaker

PA1725 Differences of acute exacerbations in idiopathic pulmonary fibrosis compared to other fibrotic lung diseases
Paola Faverio (Limbiate (MI), Italy), Stefania Cerri, Maria Rosaria Pellegrino, Giulia Dei, Enrico Clini, Fabrizio Luppi, Alberto Pesci

PA1726 Factors affecting the compliance to antifibrotic treatment in patients with interstitial pulmonary fibrosis
Zuleyha Bingol (Istanbul, Turkey), Sinem Oguz, Zeki Kilicaslan, Esen Kiyani, Gulfer Okumus

PA1727 Efficacy of switching antifibrotic therapy in idiopathic pulmonary fibrosis: real life data
Ivonne M. Raats- ten Cate (Leeuwarden, Netherlands), Coline H M Van Moorsel, Akke-Nynke Van Der Meer, Pieter Zanen, Jan C Grutters

PA1728 Safety and tolerability of immunosuppression in non-IPF ILD: clinical experience from a tertiary ILD centre.
Conal Hayton (Manchester (Greater Manchester), United Kingdom), Fayez Elsayy, Theresa Garfoot, Colm Leonard, Pilar Rivera-Ortega, John Blaikley, Nazia Chaudhuri

PA1729 Predictors of objective cough in patients with idiopathic pulmonary fibrosis (IPF)
Mirjam J.G. van Manen (Rotterdam, Netherlands), Surinder S. Biring, Carlo Vancheri, Arlette E. Odink, Burhan Hussain, Virginia Vindigni, Elisabetta Renzoni, Anne-Marie Russell, Monique Wapenaar, Vincent Cottin, Marlies S. Wijsenbeek

PA1730 Treatment of patients with idiopathic pulmonary fibrosis in real-life setting: Results from the Latin American Pulmonary Fibrosis Registry REFIPI
Fabián Matias Caro (Ciudad Autónoma Buenos Aires, Argentina), Ivette Buendia Roldán, Pablo Curbelo, Ronaldo Kairalla, Mayra Mejía, Lorena Noriega, Francisco Paulin, Alvaro Undurraga, Moises Selman, O B Refipi Group

Antifibrotic treatment in progressive non-IPF fibrotic interstitial lung diseases

- PA1731** Ana Belén Llanos-González (SANTA CRUZ DE TENERIFE, Spain), Jaume Bordas Martínez, Guadalupe Bermudo Peloché, Guillermo Suárez-Cuartín, Vanesa Vicens Zygmunt, Lurdes Planas-Cerezales, Jose Manuel Palma López, Laura Pérez Martín, Ramón Jodar Masanes, Nuria Padulles Zamora, Sara García Gil, Jordi Dorca Sargatal, Agustín Medina González, Orlando Acosta Fernández, María Molina Molina

EVALUATION OF THE PALLIATIVE CRITERIA IN IDIOPATHIC PULMONARY FIBROSIS

- PA1732** Olaia Bronte Moreno (Vitoria-Gasteiz, Spain), Myriam Aburto, Leyre Chasco, Itziar Arrizubieta, Inmaculada Gorordo, Lander Altube, Javier Moraza, Cristobal Esteban, Pedro Pablo España

Forced vital capacity (FVC) decline in idiopathic pulmonary fibrosis (IPF) – modelling the myth

- PA1733** Marlies S. Wijsenbeek (Rotterdam, Netherlands), Eva Santermans, Paul Ford, Michael Kreuter, Nadia Verbruggen, Paul Meyvisch, Wim Wuyts, Kevin Brown, David Lederer, Toby Maher

Incidence of MUC5B minor allele in end-stage lung disease and implications for transplantation

- PA1734** Stijn Verleden (Leuven, Belgium), Laurens De Saedeleer, Anke Van Herck, Jonas Yserbyt, Geert Verleden, Robin Vos, Wim Wuyts

Interstitial pneumonia with autoimmune features (IPAF): a clinical entity?

- PA1735** Pier-Valerio Mari (Roma (RM), Italy), Shannon Kay, Elisabeth Belloli, Margaret Salisbury, Jamie Sheth, Colin Holtze, Bonnie Wang, Jeffrey Myers, Kristine Konopka, Amir Lagstein, Ella Kazerooni, Aamer Chughtai, Dharshan Vummidi, Vivek Nagaraja, Dinesh Khanna, Kevin Flaherty, Luca Richeldi, Eric White

9A

Session 193

17:00 - 18:00

Assembly members' meeting: Assembly 9: Allied respiratory professionals**Chairs :** Martijn A. Spruit (Horn, Netherlands), Daniel Langer (Leuven, Belgium)

N100

Session 213

08:00 - 10:00

*Registration for this session is additional to the congress registration fee and is: €38.5 standard and €44 on site.***Professional development workshop: PDW6 How to deal with difficult employees and co-workers****Aims :** to improve the ability of participants to develop effective approaches for dealing with challenging situations, to raise concerns using effective communication skills and to identify difficult personality types and use specific strategies for dealing with them.**Method(s) :** Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Physiology Public health Pulmonary function testing Respiratory intensive care Surgery Transplantation**Target audience :** Adult pulmonologist/Clinician, Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Pathologist, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee**Chairs :** Louellen N. Essex (Wayzata, United States of America)

08:00	Introduction: What makes a situation challenging? Louellen N. Essex (Wayzata, United States of America)	1846
08:20	How to implement a communication approach: a step-by-step guide Louellen N. Essex (Wayzata, United States of America)	1847
08:40	Applying the communication approach to common difficult situations: case discussion in small groups Louellen N. Essex (Wayzata, United States of America)	1848
09:20	How to use a coping technique when communication fails Louellen N. Essex (Wayzata, United States of America)	1849
09:45	Summary Louellen N. Essex (Wayzata, United States of America)	1850
09:50	Question-and-answer session Louellen N. Essex (Wayzata, United States of America)	1851

N100

Session 237

10:15 - 13:15

*Registration for this session is additional to the congress registration fee and is: €38.5 standard and €44 on site.***Professional development workshop: PDW7 Supporting patients with behaviour change strategies
Engagement of patients in healthy behaviours****Aims :** to improve the competence and performance of clinicians by promoting their active learning of empathic communication and motivational interviewing and by helping them to develop strategies for incorporating these techniques into patient care; to focus on how to effectively counsel patients in order to improve their overall lifestyle, including their diet, exercise and alcohol/tobacco use; to increase knowledge about empathic listening and motivational interviewing strategies and resources; to increase skills in empathic listening and motivational interviewing strategies; to increase the application of empathic listening and motivational strategies and resources.**Disease(s) :** Airway diseases Sleep and breathing disorders**Method(s) :** General respiratory patient care**Tag(s) :** Clinical**Target audience :** Allergist, Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiotherapist, Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Sofia Belo Ravara (Covilhã, Portugal), Paraskevi Katsaounou (Athens, Greece)

10:15	Introduction Sofia Belo Ravara (Covilhã, Portugal)	2045
10:25	Infusing empathy into clinical encounters Timothy Milbrandt (Rochester, United States of America), Heather Preston (Zumbrota, United States of America)	2046
11:25	Coffee break	2047
11:45	Applying motivational interviewing strategies to enhance clinical outcomes in respiratory patients Timothy Milbrandt (Rochester, United States of America), Heather Preston (Zumbrota, United States of America)	2048
12:45	Final comments	2049

N100 **Session 333** **14:00 - 16:00***Registration for this session is additional to the congress registration fee and is: €38.5 standard and €44 on site.***Professional development workshop: PDW8 Teamability: become an effective team leader and member****Aims :** to increase the ability of participants to identify characteristics of effective and ineffective teams, team leaders and team members; to identify the style of team interaction adopted by themselves and others and to learn how to bridge styles; to utilise skills in relationship building, managing differences and building trust and collaboration; to collaboratively lead and participate in healthcare teams.**Method(s) :** Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Physiology Public health Pulmonary function testing Respiratory intensive care Surgery Transplantation**Target audience :** Adult pulmonologist/Clinician, Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Paediatrician, Nurse, Pathologist, Patient, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee**Chairs :** Louellen N. Essex (Wayzata, United States of America), Gernot G.U. Rohde (Frankfurt am Main, Germany)

14:00	Introduction: Overview of why teamwork is essential to the delivery of good healthcare	3213
14:10	What makes a healthcare team effective? Louellen N. Essex (Wayzata, United States of America)	3214
14:40	Stages of team development: how to lead and participate effectively through emotions, behaviours and tasks Louellen N. Essex (Wayzata, United States of America)	3215
15:10	Stages of team development and how to lead and participate effectively through emotions and behaviours Louellen N. Essex (Wayzata, United States of America)	3216
15:40	Action planning: how to apply what has been learned Louellen N. Essex (Wayzata, United States of America)	3217

N105 **Session 212** **08:00 - 10:20***Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.***Skills workshop: SW11 Thoracic ultrasound****Aims :** to provide participants with an update on thoracic ultrasound and an opportunity to practise their basic hands-on skills using training models, simulators, volunteers and patients. Description of the workstations**Disease(s) :** Thoracic oncology Interstitial lung diseases**Method(s) :** Imaging General respiratory patient care**Tag(s) :** Clinical**Target audience :** Radiologist, Thoracic surgeon, Adult pulmonologist/Clinician, Clinical researcher, Critical/Intensive care physician, Trainee**Chairs :** Najib M. Rahman (Oxford, United Kingdom)

	The normal thoracic cavity Christian B. Laursen (Odense, Denmark), Konstantina Kontogianni (Heidelberg, Germany)	1842
	Pleural effusion and/or pleural thickening Sara B. Heili Frades Zimmermann (Madrid, Spain), M ^a Victoria Villena Garrido (Madrid, Spain)	1843
	Case studies John Wrightson (Oxford, United Kingdom)	1844
	Guided pleural aspiration and lymph node biopsy using models Steven Walker (Bristol (Avon), United Kingdom), Ioannis Psallidas (Oxford (Oxfordshire), United Kingdom)	1845

NEPTUNO **Session 240** **10:40 - 13:00***Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.***Skills workshop: SW13 Recent advances in oscillometry****Aims :** to help attendees gain the technical expertise and physiological knowledge required to perform the forced oscillation technique for measuring respiratory mechanics according to best practice and the latest recommendations supported by experts in the field; to help understand the system setup, quality control and calibration; and to learn about the technical aspects of the forced oscillation technique, standardisation of test performance and reporting and interpretation of case studies. Description of the workstations

Disease(s) : Airway diseases Interstitial lung diseases Paediatric respiratory diseases**Method(s) :** Physiology Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Geoffrey Maksym (Dartmouth (NS), Canada)

Introduction Geoffrey Maksym (Dartmouth (NS), Canada)	2055
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Physiological basis of the forced oscillation technique Raffaele Dellaca (Milano (MI), Italy)	2056
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Forced oscillation technique in clinical practice: potential and pitfalls Ronald Dandurand (Beaconsfield (QC), Canada)	2057
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Intra-breath oscillatory measurements Iulia Cristina Ioan (Vandoeuvre-Les-Nancy, France)	2058
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Forced oscillation technique in infants and young children Shannon Simpson (Perth (WA), Australia)	2059
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N105 Session 241 10:40 - 13:00

*Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.***Skills workshop: SW14 Thoracic ultrasound****Aims :** to provide participants with an update on thoracic ultrasound and an opportunity to practise their basic hands-on skills using training models, simulators, volunteers and patients. Description of the workstations**Disease(s) :** Thoracic oncology Interstitial lung diseases**Method(s) :** Imaging General respiratory patient care**Tag(s) :** Clinical**Target audience :** Radiologist, Thoracic surgeon, Adult pulmonologist/Clinician, Clinical researcher, Critical/Intensive care physician, Trainee**Chairs :** Rahul Bhatnagar (Bristol, United Kingdom)

The normal thoracic cavity Horiana Grosu (Houston, United States of America), Rachid Tazi Mezalek (Barcelona, Spain)	2060
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Pleural effusion and/or pleural thickening Sara B. Heili Frades Zimmermann (Madrid, Spain), Christian B. Laursen (Odense, Denmark)	2061
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Case studies Najib M. Rahman (Oxford, United Kingdom)	2062
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Guided pleural aspiration and lymph node biopsy using models Konstantina Kontogianni (Heidelberg, Germany), Amelia Clive (Bristol (Avon), United Kingdom)	2063
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COLON Session 239 10:40 - 13:00

*Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.***Skills workshop: SW15 Noninvasive ventilation in children****Practical workshop with case presentations****Aims :** to describe 1) indications and contraindications for non-invasive ventilation in children, 2) different modes of non-invasive ventilation in children, 3) advantages and disadvantages of different masks in children and 4) common problems encountered during non-invasive ventilation in children. Description of the workstations**Disease(s) :** Paediatric respiratory diseases Sleep and breathing disorders**Method(s) :** General respiratory patient care Palliative care Physiology Pulmonary rehabilitation**Tag(s) :** Clinical**Target audience :** Physiotherapist, Paediatrician, Trainee**Chairs :** Renato Cutrera (Roma (RM), Italy)

Introduction Renato Cutrera (Roma (RM), Italy)	2050
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Indications and contraindications for noninvasive ventilation in children Hui Leng Tan (London, United Kingdom)	2051
Different modes of noninvasive ventilation Martino Pavone (Roma (RM), Italy)	2052
Advantages and disadvantages of different masks Rosário Ferreira (Lisbon, Portugal)	2053
Case presentations Stijn Verhulst (Antwerpen, Belgium)	2054

NEPTUNO Session 336 14:30 - 16:50

Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.

Skills workshop: SW16 Recent advances in oscillometry

Aims : to help attendees gain the technical expertise and physiological knowledge required to perform the forced oscillation technique for measuring respiratory mechanics according to best practice and the latest recommendations supported by experts in the field; to help understand the system setup, quality control and calibration; and to learn about the technical aspects of the forced oscillation technique, standardisation of test performance and reporting and interpretation of case studies. Description of the workstations

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#) [Paediatric respiratory diseases](#)

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Peter M. A. Calverley (Liverpool (Merseyside), United Kingdom)

Introduction Peter M. A. Calverley (Liverpool (Merseyside), United Kingdom)	3223
Physiological basis of the forced oscillation technique Zoltán Hantos (Budapest, Hungary)	3224
Forced oscillation technique in clinical practice: potential and pitfalls Diane Gray (Cape Town, South Africa)	3225
Intra-breath oscillatory measurements Dorottya Czovek (Brisbane (QLD), Australia)	3226
Forced oscillation technique in infants and young children Emanuela Zannin (Milano (MI), Italy)	3227

N105 Session 337 14:30 - 16:50

Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.

Skills workshop: SW17 Thoracic ultrasound

Aims : to provide participants with an update on thoracic ultrasound and an opportunity to practise their basic hands-on skills using training models, simulators, volunteers and patients. Description of the workstations

Disease(s) : [Thoracic oncology](#) [Interstitial lung diseases](#)

Method(s) : Imaging General respiratory patient care

Tag(s) : Clinical

Target audience : Radiologist, Thoracic surgeon, Adult pulmonologist/Clinician, Clinical researcher, Critical/Intensive care physician, Trainee

Chairs : Rahul Bhatnagar (Bristol, United Kingdom), John Wrightson (Oxford, United Kingdom)

The normal thoracic cavity Amelia Clive (Bristol (Avon), United Kingdom), Ioannis Psallidas (Oxford (Oxfordshire), United Kingdom), Konstantina Kontogianni (Heidelberg, Germany)	3228
Pleural effusion and/or pleural thickening Horiana Grosu (Houston, United States of America), M ^a Victoria Villena Garrido (Madrid, Spain)	3229
Case studies John Wrightson (Oxford, United Kingdom)	3230

Guided pleural aspiration and lymph node biopsy using models

Rahul Bhatnagar (Bristol, United Kingdom), Steven Walker (Bristol (Avon), United Kingdom), Rachid Tazi Mezalek (Barcelona, Spain)

3231

COLON

Session 335

14:30 - 16:50

*Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.***Skills workshop: SW18 Noninvasive ventilation in children****Practical workshop with case presentations****Aims :** to describe 1) indications and contraindications for non-invasive ventilation in children, 2) different modes of non-invasive ventilation in children, 3) advantages and disadvantages of different masks in children and 4) common problems encountered during non-invasive ventilation in children. Description of the workstations**Disease(s) :** Paediatric respiratory diseases Sleep and breathing disorders**Method(s) :** General respiratory patient care Palliative care Physiology Pulmonary rehabilitation**Tag(s) :** Clinical**Target audience :** Physiotherapist, Paediatrician, Trainee**Chairs :** Refika Hamutcu Ersu (Ottawa, Canada)**Introduction**

Refika Hamutcu Ersu (Ottawa, Canada)

3218

Indications and contraindications for noninvasive ventilation in children

Brigitte Fauroux (Paris, France)

3219

Different modes of noninvasive ventilation

Uros Krivec (Ljubljana, Slovenia)

3220

Advantages and disadvantages of different masks

Athanasios G. Kaditis (Athens, Greece)

3221

Case presentations

Carmen Luna Paredes (Madrid, Spain)

3222

N115

Session 321

13:00 - 14:00

*Registration for this session is additional to the congress registration fee and is €99 standard and €110 on site.***Meet the expert: ME4 Brain metastases in lung cancer patients.****New insights into the development and management of a feared and common complication****Aims :** to provide a comprehensive overview of the pathophysiology, prevention, diagnosis, differential diagnosis and treatment of brain metastases in lung cancer patients.**Disease(s) :** Thoracic oncology**Method(s) :** Cell and molecular biology Imaging Surgery**Tag(s) :** Translational**Target audience :** Clinical researcher, Critical/Intensive care physician, General practitioner, Nurse, Pathologist, Patient, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

13:00

Brain metastases in lung cancer patients

Giulia Maria Stella (Pavia (PV), Italy)

3185

N116

Session 322

13:00 - 14:00

*Registration for this session is additional to the congress registration fee and is €99 standard and €110 on site.***Meet the expert: ME5 Tick tick: impact of circadian clocks on airway diseases****Aims :** to describe how circadian clocks regulate the daily timing of physiological, metabolic and biochemical functions in the lung.**Disease(s) :** Airway diseases**Method(s) :** Cell and molecular biology General respiratory patient care**Tag(s) :** Translational**Target audience :** Clinical researcher, Physiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Alexander Mathioudakis (Manchester, United Kingdom)

13:00

Tick tick: impact of circadian clocks on airway diseases

Irfan Rahman (Rochester, United States of America)

3186

N118

Session 323

13:00 - 14:00

*Registration for this session is additional to the congress registration fee and is €99 standard and €110 on site.***Meet the expert: ME6 Patient-ventilator interaction: tricks and tips****Aims :** to describe the pathophysiology of the various types of patient-ventilator asynchrony; to explain how to detect and treat the most common types of patient-ventilator asynchrony in clinical practice in invasively and non-invasively ventilated patients.**Disease(s) :** Respiratory critical care**Method(s) :** Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Critical/Intensive care physician, Adult pulmonologist/Clinician

13:00	Patient-ventilator interaction: tricks and tips Paolo Navalesi (Milan, Italy)	3187
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6C

Session 208

07:00 - 08:15

Challenging clinical cases: Respiratory infections**Aims :** to describe the history, pathology, analysis and treatment of complex clinical cases in respiratory infections area. The session leaders will facilitate a discussion with the case presenters and the audience in order to examine and discuss each case.**Disease(s) :** Respiratory infections**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Critical/Intensive care physician, General practitioner, Clinical researcher, Paediatrician, Thoracic surgeon, Nurse, Physiotherapist, Lung function technologist**Chairs :** Pierre-Régis Burgel (Sorbonne Paris Cité, France), Eva Polverino (Barcelona, Spain)

07:00	A case of atypical pulmonary mycobacteriosis in an elderly patient caused by rifabutin resistant Mycobacterium celatum Marcela Demmin (Bad Urach, Germany)	1822
07:15	A rare presentation of pulmonary aspergillosis: Bronchial stump aspergillosis Özge Can Bostan (Ankara, Turkey)	1823
07:30	A rare case of bone tuberculosis involving the sternum Sugeesha Wickramasinghe (Kadawath, Sri Lanka)	1824
07:45	Rifampicin related erythroderma in a patient with pulmonary tuberculosis with successful desensitisation: A case report and review of literature Nai Chien Huan (Kajang, Malaysia)	1825
08:00	Undiagnosed fever in a TB contact patient: an unusual cause Himanshu Narang (Delhi, India)	1826

RETIRO

Session 209

07:00 - 08:15

Challenging clinical cases: Pulmonary vascular diseases**Aims :** to describe the history, pathology, analysis and treatment of complex clinical cases in pulmonary vascular diseases area. The session leaders will facilitate a discussion with the case presenters and the audience in order to examine and discuss each case.**Disease(s) :** Pulmonary vascular diseases**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Critical/Intensive care physician, General practitioner, Clinical researcher, Thoracic surgeon, Radiologist, Nurse**Chairs :** Marc Humbert (Paris, France), Antoni Torres (Barcelona, Spain)

07:00	Early histological changes of pulmonary arterial hypertension disclosed by invasive cardiopulmonary exercise testing Yousaf Bhatti (London, United Kingdom)	1827
07:15	Pulmonary vein stenosis mimicking interstitial lung disease Andreia Filipa Fonseca Carriço (Guarda, Portugal)	1828

07:30	Hughes Stovin vasculitis: regression of pulmonary aneurisms and sustained remission with anti-TNF treatment Sergio Ghirardo (Trieste, Italy)	1829
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07:45	Thoracic splenosis presented with hemoptysis Andreas Photiades (Athens, Greece)	1830
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08:00	Spontaneous mediastinal hematoma with bilateral hemothorax due to hypertrophied bronchial arteries and right inferior phrenic artery Shuliang Guo (Chongqing (Chongqing), China)	1831
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8B Session 214 08:30 - 10:30

Symposium: State of the art session: Pulmonary vascular diseases

Therapeutic advances in pulmonary embolism, chronic thromboembolic pulmonary hypertension and pulmonary arterial hypertension

Aims : to provide state-of-the-art knowledge of new therapeutic advances in acute and chronic conditions of the pulmonary circulation.

Disease(s) : Pulmonary vascular diseases

Method(s) : General respiratory patient care Imaging Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, Scientist (basic, translational), Adult pulmonologist/Clinician

Chairs : Marion Delcroix (Leuven, Belgium), Luke Howard (London, United Kingdom)

08:30	Ceremony of ERS Award for Lifetime Achievement in PAH Marion Delcroix (Leuven, Belgium)	1852
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08:40	Lessons learned from trials of anti-remodelling drugs in pulmonary arterial hypertension H. Ardeschir Ghofrani (Gießen, Germany)	1853
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09:07	Systemic consequences of pulmonary arterial hypertension Harm Jan Bogaard (Amsterdam, Netherlands)	1854
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09:35	Invasive treatment of intermediate-high-risk pulmonary embolism David Jiménez Castro (Madrid, Spain)	1855
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10:02	Balloon pulmonary angioplasty for chronic thromboembolic pulmonary hypertension Irene Lang (Wien, Austria)	1856
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7A Session 215 08:30 - 10:30

Grand round: Paediatric Grand Round

An interactive session

Aims : to present paediatric cases with respiratory problems and typical/difficult questions; to discuss the best clinical care; to present an update on paediatric respiratory medicine.

Disease(s) : Paediatric respiratory diseases

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, Nurse, Paediatrician, Physiotherapist, Student, Trainee

Chairs : Stephen Turner (Aberdeen (Aberdeenshire), United Kingdom), Silvia Carraro (Padova (PD), Italy)

08:30	Beyond the Milky Way: an 8-year-old girl with respiratory distress Rishi Pabary (London, United Kingdom)	1857
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09:00	Look beyond your first diagnosis: an infant with obstructive breathing Sophie Verelst (Sint Lambrechts Woluwe, Belgium)	1858
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09:30	A 15-year-old with acute progressive dyspnoea Benjamin Davies (Derby (Derbyshire), United Kingdom)	1859
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10:00	A 4-month-old girl with persistent pleural effusions Daan Caudri (Rotterdam, Netherlands)	1860
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9E Session 216 08:30 - 10:30

Symposium: Recent developments and future perspectives in the diagnosis and treatment of tuberculosis

A joint ERS/Médecins Sans Frontières session

Aims : to discuss the new techniques to diagnose tuberculosis in children and HIV-positive patients , to present the growing body of evidence supporting the use of new anti-tuberculosis drugs, including results of the MSF-sponsored endTB observational cohort and to provide an overview of ongoing and future clinical trials of new treatment regimens for M/XDR-TB, including the MSF-sponsored Phase III trials endTB and TB-PRACTECAL.

Disease(s) : Paediatric respiratory diseases Respiratory infections

Method(s) : Epidemiology Public health

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Paediatrician, Policy maker, Scientist (basic, translational), Student, Trainee

Chairs : Graham H. Bothamley (London, United Kingdom), Francis Varaine (Paris, France)

08:30	Innovative tools for diagnosis and prevention of paediatric tuberculosis Maryline Bonnet (Genève, Switzerland)	1861
09:00	Integration of care pathways for HIV-tuberculosis coinfection: a public health agenda François-Xavier Blanc (Nantes Cedex 1, France)	1862
09:30	Efficacy and safety of new drugs for M/XDR-TB: what have we learned from observational studies? Cathy Hewison (Paris, France)	1863
10:00	Clinical trial landscape for M/XDR-TB: current evidence and future perspectives Carole Mitnick (Boston, United States of America)	1864

9A Session 217 08:30 - 10:30

Oral presentation: Advances in care and monitoring of cystic fibrosis

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Imaging Epidemiology Cell and molecular biology Pulmonary function testing Transplantation Public health

Chairs : Jürg Barben (St. Gallen, Switzerland), Bülent Taner Karadag (Istanbul, Turkey)

OA2124	Late Breaking Abstract - Association of lung clearance index with survival in patients with cystic fibrosis Johanna Manuela Kurz (Bern, Switzerland), Kathryn Ramsey, Richard Kraemer, Ben Spycher, Reta Fischer Biner, Philipp Latzin, Florian Singer
OA2125	How can gene-editing of human pluripotent stem cells help cystic fibrosis? Sara Cuevas Ocana (Newcastle upon Tyne, United Kingdom), Amy Wong, Magomet Aushev, Jin Ye Yang, Neil Perkins, Christine Bear, Janet Rossant, Michael Gray
OA2126	A multicentre, observational cohort study to determine the efficacy and safety of lumacaftor/ivacaftor in patients with severe lung disease and cystic fibrosis Koliarne Tong (Sydney (NSW), Australia), Douglas Dorahy, Megan France, Lucy Burr, Hugh Greville, Simone Visser, Peter Middleton, Claire Wainwright, Daniel Barker, Peter Wark
OA2127	Do patients with cystic fibrosis participating in clinical trials demonstrate placebo response ? A meta-analysis. Julie Coton (BRON CEDEX, France), Julie Coton, Ha-Hai Le, Perrine Janiaud , Michel Cucherat, Behrouz Kassai-Koupai, François Gueyffier, Philippe Reix
OA2128	The effect of CFTR modulators on CT outcomes in cystic fibrosis Lijun Clara Mok (Nedlands, Australia), Antonio García-Uceda Juárez, Mariette Kemner-Van De Corput, Nathalie Feyaerts, Tim Rosenow, Christiane De Boeck, Stephen Stick, Harm Tiddens
OA2129	Do CT findings of Mycobacterium abscessus infection in patients with Cystic Fibrosis predict outcome? Paul Whitaker (Leeds (West Yorkshire), United Kingdom), Victoria Holt, Lekshmi Mohan Das, Giulia Spoletini, Ian Clifton, Christine Etherington, Daniel Peckham
OA2130	Progression of lung disease detected by MRI and impact of NBS in preschool children with cystic fibrosis Mirjam Stahl (Heidelberg, Germany), Eva Steinke, Christoph Seitz, Cornelia Joachim, Hans-Ulrich Kauczor, Monika Eichinger, Susanne Hämmerling, Olaf Sommerburg, Mark Wielpütz, Marcus Mall

- OA2131** **1H and 129Xe MRI to detect functional and structural lung disease in sub-clinical cystic fibrosis**
Laurie Smith (Sheffield (South Yorkshire), United Kingdom), David Hughes, Ho-Fung Chan, Kevin Johnson, Jody Bray, Oliver Rodgers, Guilhem Collier, Graham Norquay, Alberto Biancardi, Paul Hughes, Sailesh Kotecha, Martin Wildman, Noreen West, Alex Horsley, Jens Vogel-Claussen, Harm Tiddens, Helen Marshall, Jim Wild

9C **Session 218** **08:30 - 10:30**

Hot topics: The Global Burden of Disease, Global Alliance for Chronic Diseases and Forum of International Respiratory Societies and other international initiatives

Focus on respiratory findings, research cooperation and future developments

Aims : to summarise the recent findings of the Global Burden of Disease (GBD), Global Alliance for Chronic Diseases (GACD), Forum of International Respiratory Societies (FIRS) and other international initiatives on respiratory diseases; to describe new developments in respiratory diseases and other respiratory conditions; to expand the network of respiratory collaborators.

Disease(s) : **Airway diseases** **Interstitial lung diseases** **Respiratory infections**

Method(s) : Epidemiology General respiratory patient care Physiology

Tag(s) : Translational

Target audience : Allergist, Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Policy maker, Scientist (basic, translational), Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Joan B Soriano (Madrid, Spain), Deborah Jarvis (London, United Kingdom), Mina Gaga (Athens, Greece)

08:30	The Global Burden of Disease study: concepts, aims, scope and progress Luisa Sorio FLor (Seattle, United States of America)	1869
09:00	GBD 2017 estimates on asthma, COPD and other: challenges to measure respiratory disease worldwide Vinay Gupta (Seattle, United States of America)	1870
09:30	The commitment of the Global Alliance for Chronic Diseases to respiratory research Gary Parker (London, United Kingdom)	1871
10:00	The Forum of International Respiratory Societies: first measure, then heal respiratory ill health worldwide Klaus F. Rabe (Kiel, Germany)	1872

9D **Session 219** **08:30 - 10:30**

Symposium: It takes two to tango: translating scientific findings into clinical applications

Aims : to discuss the translation of scientific findings into clinical applications. One scientist and one clinician will deliver a presentation on one of three presented topics: mast cells in lung disease, T-cell biology and eosinophils in asthma and inflammatory cells and airway remodelling in COPD

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology General respiratory patient care

Tag(s) : Translational

Target audience : Allergist, Clinical researcher, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Ian M. Adcock (London, United Kingdom), Kian Fan Chung (London, United Kingdom)

08:30	Mast cells in lung disease Hans Jürgen Heinrich Hoffmann (Århus, Denmark)	1873
08:50	Mast cells in lung disease: clinical implications Peter Bradding (Leicester (Leicestershire), United Kingdom)	1874
09:10	T-cell biology and eosinophils in asthma Marco Idzko (Wien, Austria)	1875
09:30	T-cell biology and eosinophils in asthma: clinical implications Parameswaran Nair (Hamilton (ON), Canada)	1876
09:50	Inflammatory cells and airway remodelling in COPD Xin Yao (Nanjing (Jiangsu), China)	1877
10:10	Inflammatory cells and airway remodelling in COPD: clinical implications Marco Contoli (Ferrara (FE), Italy)	1878

8C Session 220 08:30 - 10:30**Guidelines session: European guidelines for malignant pleural mesothelioma management in 2019 ERS/ESTS/EACTS/ESTRO guidelines**

Aims : to introduce the 2019 guidelines for management of malignant pleural mesothelioma issued by experts from the European Respiratory Society (ERS)/European Society of Thoracic Surgeons (ESTS)/European Association for Cardio-Thoracic Surgery (EACTS)/European Society for Radiotherapy and Oncology (ESTRO) task force; to present the viewpoints of malignant pleural mesothelioma patients and caregivers; to discuss real clinical cases with the audience in order to show how these recommendations could be routinely applied for patients.

Disease(s) : Thoracic oncology

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology Imaging Palliative care Surgery

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Paul Martin Putora (St. Gallen, Switzerland), Isabelle Opitz (Zurich, Switzerland)

08:30	Epidemiology, clinical approach and expected changes from the previous guidelines Jan van Meerbeeck (Edegem (Antwerp), Belgium)	1865
09:00	Malignant pleural mesothelioma: the perspective of patients and caregivers Speaker to be confirmed	1866
09:15	Surgical and multimodal treatment Isabelle Opitz (Zurich, Switzerland)	
09:40	Treatment options and recommendations Arnaud Scherpereel (Lille, France)	1867
10:05	Practical approach with cases and interactive questions Giuseppe Cardillo (Roma (RM), Italy)	1868

9F Session 221 08:30 - 10:30**Lungs on Fire: Interstitial lung diseases?**

Aims : to explore the real-life challenging clinical cases in the innovative interactive session; to present the cases that have various levels of difficulty and often necessitate a differential diagnosis. This session is led by a discussant that will present the cases to a panel of experts and the audience. The discussant will encourage discussion among the panel of experts, who have never seen the cases, and additionally invite the audience in the reflexion and discussion of the cases presented to explore the various diagnostic and therapeutic options.

Disease(s) : Interstitial lung diseases Respiratory infections

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Thoracic oncologist, Thoracic surgeon, General practitioner, Paediatrician, Critical/Intensive care physician, Nurse, Clinical researcher, Radiologist, Trainee

Chairs : Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom), Vincent Cottin (Lyon, France), Emiel F. M. Wouters (Maastricht, Netherlands), Christoph Lange (Borstel, Germany)

Discussants : Maria Molina Molina (Barcelona, Spain)

	Case 1 - Author: Jelle Rindert Miedema (Netherlands)	1888
	Case 2 - Author: Nimet Aksel (Turkey)	1889
	Case 3 - Author: Rosa-Marie Apel (Germany)	1890
	Case 4 - Author: Göksel Altinisik (Turkey)	1891
	Case 5 - Author: Ruxandra-Mioara Rajnoveanu (Romania)	1892
	Case 6 - Author: André Fabiano (Portugal)	1893
08:30	Introduction and case presentations by the session facilitator Maria Molina Molina (Barcelona, Spain)	1887

8A

Session 222

08:30 - 10:30

Symposium: Integrated strategies for acute non-invasive ventilation

Aims : to highlight new integrated strategies applied during non-invasive ventilation (NIV) that aim to increase the probability of success in severe and complex clinical scenarios, such as a high-flow nasal cannula (HFNC) in patients with hypoxemic respiratory failure, analgesation in poorly tolerant patients, cough assist devices in patients with secretion retention and bronchoscopy when diagnosis and treatment is challenging.

Disease(s) : Respiratory critical care

Method(s) : Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, Nurse, Physiotherapist, Adult pulmonologist/Clinician

Chairs : Leo Heunks (Amsterdam, Netherlands), Ezgi Özyilmaz (Adana, Turkey)

08:30	A high-flow nasal cannula and NIV Jean-Pierre Frat (Poitiers, France)	1894
09:00	Analgesation and NIV Lara Pisani (Bologna (BO), Italy)	1895
09:30	Cough assist devices and NIV Miguel Ramalho de Souto Gonçalves (Porto, Portugal)	1896
10:00	Bronchoscopy and NIV Raffaele Scala (Arezzo, Italy)	1897

9B

Session 223

08:30 - 10:30

Oral presentation: Understanding lung disease: novel in vitro models

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Cell and molecular biology Physiology

Chairs : Anne M. van der Does (Leiden, Netherlands), Darcy Wagner (Lund, Sweden)

OA1898	Late Breaking Abstract - High-content phenotypic profiling reveals that IL-13 impairs planar cell polarity and directional mucus clearance in human airway tissue Janna Nawroth (Boston, United States of America), Doris Roth, Remi Villenave, Anne Van Der Does, Pieter Hiemstra
OA1899	LSC - 2019 - A novel ex-vivo approach to study lung injury and repair Sally Yunsun Kim (London, United Kingdom), Sally Yunsun Kim, Róisín Mongey, Peizhu Wang, Matthew Hind, Mark Griffiths, Charlotte Dean
OA1900	Investigating the toxicological potential of inhaled aerosols in a breathing lung-on-chip Nuria Roldan (Bern, Switzerland), Yara-Maria Proust, Nicole Schneider-Daum, Claus Michael-Lehr, Hanno Huwer, Tobias Krebs, Olivier T. Guenat, Janick D. Stucki, Nina Hobi
OA1901	Comparison of fluid secretion in nasal and bronchial spheroids from CF patients. Gimano Amatngalim (Utrecht, Netherlands), Lisa Rodenburg, Bente Aalbers, Jesse Brunsveld, Evelien Kruisselbrink, Sabine Heida-Michel, Karin De Winter-De Groot, Cornelis Van Der Ent, Jeffrey Beekman
OA1902	IPF-relevant cytokine cocktail induced changes in iPSC-derived alveolar epithelial and primary airway basal cell differentiation James Garnett (Biberach an der Riss, Germany), Eva Schruf, Victoria Schroeder, Emily Stewart, Huy Le, Dagmar Raedel, Ralf Heilker, Martin Dass, Karsten Quast, Manfred Frick, Megan Webster
OA1903	A lung-on-chip in vitro approach to study inflammation at the alveolar level Nuria Roldan (Bern, Switzerland), Aude Rapet, Giulia Raggi, Maxime Epars, Kleantis Fytianos, Janick D. Stucki, Nicole Schneider-Daum, Claus Michael-Lehr, Hanno Huwer, Thomas Geiser, Olivier T. Guenat, Nina Hobi
OA1904	Lung-on-a-chip with a biological, stretchable membrane: New generation of in-vitro air-blood barrier model Pauline Zamprogno (Bern, Switzerland), Simon Wüthrich, Sven Achenbach, Janick D. Stucki, Nina Hobi, Nicole Schneider-Daum, Claus-Michael Lehr, Hanno Huwer, Thomas Geiser, Ralph A. Schmid, Olivier T. Guenat
OA1905	Real-time measurement of glucose metabolism in fully differentiated air-liquid-interface grown primary human nasal epithelial cells Emily Mavin (Newcastle, United Kingdom), Bernard Verdon, Satomi Miwa, Sean Carrie, Aaron Gardner, Malcolm Brodlie, Jason Powell, Chris Ward, James Garnett

6F

Session 224

08:30 - 10:30

Oral presentation: Diagnostic procedures and biology of lung cancer

Disease(s) : Thoracic oncology Airway diseases

Method(s) : General respiratory patient care Cell and molecular biology Endoscopy and interventional pulmonology Imaging Surgery

Chairs : Jacques Cadranel (Paris Cedex 20, France), Torsten Gerriet Blum (Berlin, Germany)

- OA1906 Comparison of accuracy of VBN (virtual bronchoscopic navigation) software (VINCENT vs. LungPoint) for peripheral lung lesions and trial of prediction of diagnostic yield from VBN findings**
Atsushi Kitamura (Tokyo, Japan), Kohei Okafuji, Ryosuke Imai, Hiroaki Kanemura, Ryosuke Tsugitomi, Yutaka Tomishima, Torahiko Jinta, Naoki Nishimura, Tomohide Tamura
- OA1907 Feasibility of bronchial washing fluid-based approach to early-stage lung cancer diagnosis**
Jeong Seon Ryu (Incheon, Republic of Korea), Myoung Kyu Lee, Seung Jae Lee
- OA1908 BALF immune profile - towards clinical usefulness in lung cancer.**
Joanna Domagała-Kulawik (Warszawa, Poland), Iwona Kwiecien
- OA1909 Dynamic monitoring of EGFR mutations in circulating tumor DNA for early detection of drug resistance in NSCLC patients on EGFR-TKI therapy**
Adam Szepechciński (Warszawa, Poland), Maciej Bryl, Grzegorz Czyzewicz, Emil Wojda, Daria Swiniuch, Marek Szwiec, Stefan Rudzinski, Katarzyna Duk, Rodryg Ramlau, Pawel Sliwinski, Aleksander Barinow-Wojewodzki, Joanna Chorostowska-Wynimko
- OA1910 Immunomodulating properties of PD-L1 positive cancer stem cells in metastatic lymph nodes**
Agata Raniszewska (Warszawa, Poland), Heleen Vroman, Daphne Dumoulin, Joanna Domagała-Kulawik, Joachim G.J.V Aerts
- OA1911 Comparison of anticancer effects of a novel histone deacetylase (HDAC) inhibitor CG200745 and SAHA in non-small lung cancer cells**
Jae-wan Jung (Iksan (Jeollabuk-do), Republic of Korea), Hak-Ryul Kim, Ki-Eun Hwang, Chul Park, Eun-Taik Jeong
- OA1912 PM2.5 induces EMT event by activating Notch pathway in vivo and vitro**
Yunxia Wang (, China), Yijue Zhong, Chao Sun, Guangfa Wang
- OA1913 Improving lung cancer diagnosis from exhaled-breath analysis by adding clinical parameters to the artificial neural network**
Sharina Kort (Enschede, Netherlands), Marjolein Brusse-Keizer, Hugo Schouwink, Emanuel Citgez, Frans De Jongh, Jan Willem Gerritsen, Job Van Der Palen

N103

Session 225

08:30 - 10:30

Oral presentation: Imaging of airway diseases

Disease(s) : Airway diseases

Method(s) : Imaging Pulmonary function testing General respiratory patient care Respiratory intensive care

Chairs : Guy Brusselle (Ghent, Belgium), Brian J. Lipworth (Dundee (Angus), United Kingdom)

- OA1914 Late Breaking Abstract - Arterial Stiffness and Cardiovascular Risk in hospitalised COPD patients**
Yousef S Aldabayan (London, United Kingdom), Georgia Gkrepi, Jaber S Alqahtani, Abdulelah M Aldahir, Ahmed M Alrajeh, John R Hurst
- OA1915 Computed tomography measures of airway disease are associated with chronic bronchitis**
Surya Bhatt (Birmingham, United States of America), Sandeep Bodduluri, David Lynch, Carla Wilson, Spyridon Fortis, Victor Kim
- OA1917 Mucus plugging on CT and mortality in smokers**
Alejandro A Diaz (Arlington, United States of America), Yuka Okajima, Carolyn Come, Pietro Nardelli, Sushil Sonavane, Andrew Yen, Nath Hrudaya, Nina Terry, Scott Grumley, Asmaa Ahmed, Kathleen Jacobs, Seth Kligerman, George Washko, Raul San Jose
- OA1918 Gas-exchange and ventilation imaging of COPD in comparison to a healthy cohort using hyperpolarized Xenon-129 MRI**
Ozkan Doganay (Oxford, United Kingdom), Minsuok Kim, Mitchell Chen, Tahreema Matin, Fergus Gleeson
- OA1919 Cardiac function during COPD exacerbations assessed by cardiac MRI**
Eskandarain Shafuddin (Hamilton, New Zealand), Catherina Chang, Robert Hancox

OA1920 **Longitudinal changes in structural lung abnormalities using MDCT in COPD with asthma-like features**
Rie Anazawa (Chiba, Japan), Naoko Kawata, Yukiko Matsuura, Jun Ikari, Yuji Tada, Masaki Suzuki, Shin Takayanagi, Shin Matsuoka, Shoichiro Matsushita, Koichiro Tatsumi

OA1921 **Correlation of computed tomography findings with disease severity in COPD**
Chandramani Panjabi (New Delhi (Delhi), India), Anisha Gupta, Subhash Narang

N104

Session 226

08:30 - 10:30

Oral presentation: The evolving field of idiopathic interstitial pneumonia

Disease(s) : Respiratory critical care Interstitial lung diseases

Method(s) : General respiratory patient care Respiratory intensive care Cell and molecular biology

Chairs : Michael Kreuter (Heidelberg, Germany), Fernanda Ines Hernandez Gonzalez (Barcelona, Spain)

OA1922 **Blood biomarkers predicting disease progression in patients with IPF: data from the INMARK trial**
Toby Maher (St. Albans, United Kingdom), Gisli Jenkins, Vincent Cottin, Yasuhiko Nishioka, Imre Noth, Moisés Selman, Jin Woo Song, Antje Prasse, Carina Ittrich, Claudia Diefenbach, Klaus B Rohr, Susanne Stowasser, Eric S White

OA1923 **Changes in biomarkers in patients with idiopathic pulmonary fibrosis (IPF) treated with nintedanib and sildenafil**
Eric White (Ann Arbor, United States of America), Bruno Crestani, Andreas Günther, Toby M Maher, Carina Ittrich, Claudia Diefenbach, Klaus B Rohr, Manuel Quaresma, Martin Kolb

OA1924 **The circulating metabolome in idiopathic pulmonary fibrosis (IPF)**
Christian Hesslinger (Biberach, Germany), Christian Hesslinger, Robert Overton, Sascha Keller, Megan L Neely, John A Belperio, Richard Vinisko, Thomas Leonard, Kevin R Flaherty, Imre Noth, Scott M Palmer, Jamie L Todd

OA1925 **Association between leukocyte telomere length (LTL) and functional decline in patients with Idiopathic Pulmonary Fibrosis (IPF) on antifibrotic treatment**
Elisabetta Balestro (Padova (PD), Italy), Davide Biondini, Chiara Rigobello, Manuela Campisi, Simonetta Baraldo, Federico Fracasso, Gabriele Foltran, Elisabetta Coconcelli, Gioele Castelli, Erica Bazzan, Manuel G Cosio, Marina Sactta, Sofia Pavanello, Paolo Spagnolo

OA1926 **Imbalance in the oral bacterial flora as a risk factor for acute exacerbation in idiopathic pulmonary fibrosis**
Shinichiro Ohshimo (Hiroshima, Japan), Hiromi Nishi, Koji Hosokawa, Yasushi Horimasu, Shintaro Miyamoto, Hiroshi Iwamoto, Hironobu Hamada, Hiroyuki Kawaguchi, Francesco Bonella, Josune Guzman, Ulrich Costabel, Noboru Hattori, Nobuaki Shime

OA1927 **Efficacy of recombinant thrombomodulin for poor prognostic cases of acute exacerbation in IIPs: Secondary analysis of SETUP trial**
Toru Arai (Osaka, Japan), Hiroshi Kida, Yoshitaka Ogata, Satoshi Marumo, Hiroto Matsuoka, Iwao Ghoma, Masahide Mori, Yamamoto Suguru, Kazunobu Tachibana, Chikatoshi Sugimoto, Masanori Akira, Yoshikazu Inoue

OA1928 **Prognostic and clinical value of cluster analysis of idiopathic pleuroparenchymal fibroelastosis phenotypes**
Yutaro Nakamura (Hamamatsu, Japan), Kazutaka Mori, Yasunori Enomoto, Masato Kono, Hiromitsu Sumikawa, Takeshi Johkoh, Thomas V Colby, Hideki Yasui, Hironao Hozumi, Masato Karayama, Yuzo Suzuki, Kazuki Furuhashi, Tomoyuki Fujisawa, Noriyuki Enomoto, Noki Inui, Yusuke Kaida, Koshi Yokomura, Naoki Koshimizu, Mikio Toyoshima, Shiro Imokawa, Takashi Yamada, Toshihiro Shirai, Hidenori Nakamura, Hiroshi Hayakawa, Takafumi Suda

6E

Session 227

08:30 - 10:30

Oral presentation: Imaging: new insights that pulmonologists should be aware of

Disease(s) : Sleep and breathing disorders Pulmonary vascular diseases Airway diseases Interstitial lung diseases

Method(s) : Imaging Pulmonary function testing Physiology

Chairs : Helmut Prosch (Wien, Austria), Lucio Calandriello (Rome, Italy)

OA1929 **Late Breaking Abstract - Apparent diffusion coefficient by 3He MRI and quantitative emphysema subtypes by CT**
R Graham Barr, Wei Shen, Jie Yang, Yanping Sun, Grant Hiura, Pallavi Balte, Stephen Dashnaw, Martin Prince, Eric Hoffman, Bharath Venkatesh, Joao Lima, Jim Wild, Emlyn Hughes

OA1930 **Objective quantitative multi-detector computed tomography assessments in patients with combined pulmonary fibrosis with emphysema**
Masaki Suzuki (Chiba, Japan), Naoko Kawata, Mitsuhiro Abe, Hajime Yokota, Rie Anazawa, Yukiko Matsumura, Jun Ikari, Shin Matsuoka, Kenji Tsushima, Koichiro Tatsumi

OA1931 **Comparison of the thoracic CT-based computational model with hyperpolarized Xenon-129 MRI and SPECT images to assess pulmonary ventilation in COPD patients**
Fergus Gleeson (Oxford (Oxfordshire), United Kingdom), Minsuok Kim, Ozkan Doganay, Tahreema Matin, Thomas Povey

- OA1932** **Right-to-left ventricular diameter ratio at computed tomographic pulmonary angiography in acute pulmonary embolism and obstructive sleep apnea.**
Thomas M. Berghaus (Augsburg, Germany), Fabian Geissenberger, Dinah Konnerth, Michael Probst, Thomas Kroencke, Florian Schwarz
- OA1933** **Role of PERC Rule in excluding PE in patients with low probability according to Well's score**
Jetmira Shehu (Tirana, Albania), Eliana Avllaj, Kreshnik Shehu, Eugerta Dilka, Esmeralda Nushi, Marsel Broqi, Franc Rrumbullaku, Oltion Sina, Serxho Golgota, Perlat Kapisyzi
- OA1934** **Magnetic resonance imaging in the identification of anatomical risk factors in patients affected by obstructive sleep apnoea.**
Ambra Nicolai (Pomezia (RM), Italy), Alberto Negro, Arianna D'Anna, Giovanna Moscato, Rosalba Maffucci, Maria Rosaria Gioia, Andrea Bianco, Salvatore Cappabianca
- OA1935** **"The CT findings are suggestive of chronic aspiration": truth or assumption?**
Alison Kelly (London, United Kingdom), Stacey Zimmels, Clare Russell, Julie Duncan, Ian Balfour-Lynn, Thomas Semple
- OA1936** **Sex differences in functional connectivity of brain during breathing effort**
Akiko Yorita (Kurume-city, Japan), Takahiro Tanaka, Tomotaka Kawayama, Kazuko Matsunaga, Tomoaki Hoshino, Takayuki Taniwaki

N101+102

Session 228

08:30 - 10:30

Oral presentation: Long-term lung function: from early birth to adulthood

Disease(s) : **Airway diseases**

Method(s) : Epidemiology General respiratory patient care Pulmonary function testing Public health

Chairs : Urs Frey (Basel, Switzerland), James Y. Paton (Glasgow (Glasgow), United Kingdom)

- OA1937** **Late Breaking Abstract - Ultraviolet radiation and lung function in aging women: A European multi-centre study (ECRHS)**
Kai Triebner (Bergen, Norway), Steinar Hustad, Jose Barrera, Xavier Basagana, Bryndís Benediktsdóttir, Shyamali Dharmage, Karl Franklin, Vanessa Garcia-Larsen, Jose Gullon-Blanco, Debbie Jarvis, Rain Jogi, Benedicte Leynaert, Eva Lindberg, Jesus Moratalla, Nerea Muniozguren-Agirre, Isabelle Pin, Chantal Raheison, Jose-Luis Sanchez-Ramos, Vivi Schlunssen, Francisco Gomez Real, Payam Dadvand
- OA1938** **Exercise-induced airway symptoms from adolescence to early adulthood, a five-year follow-up**
Henrik Johansson (Uppsala, Sweden), Margareta Emtner, Christer Janson, Leif Nordang, Andrei Malinovsky
- OA1939** **A 20-year population-based study of the asthma-COPD overlap (ACO)**
Alessandro Marcon (Verona (VR), Italy), Francesca Locatelli, Angelo Corsico, Josep M Antó, Peter Burney, Shyamali C Dharmage, Thorarinn Gislason, Joachim Heinrich, Christer Janson, Rain Jögi, Bénédicte Leynaert, Theodore Lytras, Nicole Probst-Hensch, Cecilie Svanes, Kjell Toren, Joost Weyler, Judith Garcia-Aymerich, Deborah Jarvis, Simone Accordini
- OA1940** **Soluble urokinase plasminogen activator receptor (suPAR) is associated with COPD readmission and mortality**
Kjell Erik Julius Håkansson (København N, Denmark), Charlotte Suppli Ulrik, Nina Skavlan Godtfredsen, Thomas Kallemose, Ove Andersen, Jesper Eugen-Olsen, Kristoffer Marsaa, Line J. H. Rasmussen
- OA1941** **Soluble urokinase plasminogen activator receptor (suPAR) predicts hospital readmissions and all-cause mortality in patients admitted with asthma**
Kjell Erik Julius Håkansson (København N, Denmark), Line J. H. Rasmussen, Nina S. Godtfredsen, Oliver Djurhuus Tupper, Jesper Eugen-Olsen, Thomas Kallemose, Ove Andersen, Kristoffer Marsaa, Charlotte S. Ulrik
- OA1942** **All-cause mortality in adults with incident asthma – a 20-year follow-up study of a large population-based cohort of middle-aged Danish adults**
Oliver Djurhuus Tupper (Søborg, Denmark), Zorana Jovanovic Andersen, Charlotte Suppli Ulrik
- OA1943** **Lung function up to adolescence and residential greenspace**
Elaine Fuertes (London, United Kingdom), Iana Markevych, Andy Boyd, Osama Mahmoud, Richard Thomas, Joachim Heinrich, Judith Garcia Aymerich, Célina Roda, John Henderson, Debbie Jarvis
- OA1944** **SOLID(Study Of Lung Function & Its Development)-evidences for inflammatory basis of low lung function in Indians**
Mohit Aggarwal (Delhi, India), Anubhuti Bansal, Babu Koundinya Desiraju, Shailendra Singh, Anurag Agrawal

6A

Session 229

08:30 - 10:30

Poster discussion: Granulomatous disorders: pathogenesis, epidemiology and clinical issues

Disease(s) : **Interstitial lung diseases** **Airway diseases**

Method(s) : General respiratory patient care Respiratory intensive care Epidemiology Cell and molecular biology Physiology Imaging Public health

Chairs : Claudia Ravaglia (Forli, Italy), Jan C. Grutters (Nieuwegein, Netherlands)

- PA1945** **Comparative analysis of the efficacy of glucocorticosteroids and antimetabolite drugs in treatment of patients with pulmonary sarcoidosis**
Ievgeniia Merenkova (Kyiv, Ukraine), Yaroslav Dziublyk, Galyna Gumeniuk
-
- PA1946** **The role of salivary gland biopsy in the diagnosis of sarcoidosis**
Zuleyha Bingol (Istanbul, Turkey), Gulfer Okumus, Merve Sarisoy, Tulin Cagatay, Esen Kiyan, Zeki Kilicaslan
-
- PA1947** **The utility of transthoracic lung ultrasound in assessing pulmonary sarcoidosis**
Marek Piprek (Nowy Sącz, Poland), Magdalena Kryger, Wojciech Kosiak, Mirosława Dubaniewicz-Wybieralska, Monika Skotarczak, Jan Marek Słomiński, Anna Dubaniewicz
-
- PA1948** **Relationship between sarcoidosis health outcome and lower socioeconomic status in Tunisian patients**
Amani Ben Mansour (Tunis, Tunisia), Hafaoua Daghfous, Azza Slim, Soumaya Ben Saad, Leila Fekih, Med Lamine Megdiche, Fatma Tritar
-
- PA1949** **Epidemiology of sarcoidosis in Western Ukraine**
Kostiantyn Shvets (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Kseniia Ostrovska, Iryna Savelikhina, Oleksandr Varunkiv, Nadiya Korzh
-
- PA1951** **The role of obesity in patients with sarcoidosis**
Victoria Sholomova (Moscow, Russian Federation), Michael Brovko, Larisa Akulkina, Lidia Lysenko, Sergey Moiseev, Larisa Samokhodskaya, Tatyana Krasnova
-
- PA1952** **Prevalence of Depression in Sarcoidosis: a comparison with asthmatic and healthy controls**
Nicol Bernardinello (Trecenta (RO), Italy), Veronica Alfieri, Carlo Turatto, Paolo Ossola, Elisa Illica Magrini, Marina Aiello, Ernesto Crisafulli, Alfredo Chetta, Giuseppina Bertorelli
-
- PA1953** **Clinical manifestation of small fiber neuropathy in patients with sarcoidosis and tuberculosis**
Nataliya Basantsova (Saint Petersburg, Russian Federation), Yulia Zinchenko, Valeria Shapkina, Amir Dori, Anna Starshinova, Pyotr Yablonskiy
-
- PA1954** **Algorithm for pulmonary hypertension screening in sarcoidosis: A Delphi Consensus**
Laurent Savale (Le Kremlin-Bicêtre, France), Marc Humbert, Athol U Wells, Steven D Nathan, Rohit Gupta, Marloes Huitema, Xavier Jais, Jan Grutters, Vasilis Kouranos, David Montani, Oksana Shlobin, Olivier Sitbon, Robert P Baughman
-
- PA1955** **GRANULOMATOUS-LYMPHOCYTIC INTERSTITIAL LUNG DISEASE (GLILD) IN CVID: A CASE-CONTROL SINGLE-CENTER RETROSPECTIVE STUDY**
Francesco Cinetto (Selvazzano Dentro (PADOVA), Italy), Riccardo Scarpa, Raffaella Neri, Sabrina Gianese, Carlo Agostini
-
- PA1956** **Fc γ RIIA, Fc γ RIII and Fc γ RIIB expression in sarcoid granuloma and foreign body granuloma of the skin.**
Anna Dubaniewicz (Gdańsk, Poland), Bartłomiej Rękawiecki, Anton Zawrocki, Hanna Majewska, Marek Piprek, Wojciech Biernat
-
- PA1957** **Immunophenotyping of CD34 + cells in peripheral blood of patients with lung sarcoidosis**
Elżbieta Rutkowska (Józefosław, Poland), Iwona Kwiecień, Aleksandra Szamałek, Joanna Zarzycka, Karina Jahnz-Różyk, Piotr Rzepecki
-
- PA1958** **Treatment of sarcoidosis – pentoxifylline**
Daryna Semotiuk (Lviv, Ukraine), Olha Tolokh, Nadiya Rudnitska
-
- PA1959** **Biomarkers of Sarcoidosis: a comparative study of serum chitotriosidase, ACE, lysozyme and KL-6**
Paolo Cameli (Certaldo (FI), Italy), Laura Bergantini, Francesco Bianchi, Maria Antonietta Mazzei, Piersante Sestini, Paola Rottoli, Elena Bargagli
-
- PA1960** **Longitudinal micro-CT-derived biomarkers: the new standard readouts for preclinical evaluation of pulmonary fibrosis and therapy**
Kaat Dekoster (Leuven, Belgium), Tatjana Decaesteker, Nathalie Berghen, Anne-Charlotte Jonckheere, Jens Wouters, Rik Lories, Peter Hoet, Jeroen Vanoirbeek, Greetje Vande Velde
-
- PA1961** **Genetic polymorphisms of the renin-angiotensin system: role in patients with sarcoidosis**
Victoria Sholomova (Moscow, Russian Federation), Michael Brovko, Larisa Akulkina, Laine Francusevica, Marina Lebedeva, Larisa Samokhodskaya, Tatyana Krasnova

- PA1962** **Genetic polymorphisms of inflammatory cytokines and endothelial dysfunction factors: role in patients with sarcoidosis**
Victoria Sholomova (Moscow, Russian Federation), Michael Brovko, Larisa Akulkina, Leonid Strizhakov, Denis Konovalov, Larisa Samokhodskaya, Tatyana Krasnova

6B **Session 230** **08:30 - 10:30**

Poster discussion: How to guide patients to reach a balance between costs and personal needs: quality indicators of effectiveness

Disease(s) : **Airway diseases** **Thoracic oncology** **Interstitial lung diseases** **Respiratory critical care**

Method(s) : Public health Epidemiology Endoscopy and interventional pulmonology General respiratory patient care Palliative care
Respiratory intensive care Pulmonary function testing

Chairs : Tobias Boeselt (Marburg, Germany), Robab Breyer-Kohansal (Wien, Austria)

- PA1963** **Late Breaking Abstract - Budget impact of introducing 12SQ HDM SLIT-tablet for house dust mite allergic asthma in Spain**
Christian Domingo Ribas (Sabadell (Barcelona), Spain), Ernesto Enrique Miranda, Eva Martínez Moragón, Inmaculada Sánchez-Guerrero Villajos, Adolfo Galan Vivo, Emma Martínez Savoini, Carlos Miñarro, Mercedes Romano Rodriguez

- PA1965** **Late Breaking Abstract - Economics burden and healthcare utilization in chronic obstructive pulmonary disease patients with or without sepsis.**
Wu Suan-Feng (Kaohsiung, Taiwan), YUMU CHEN, Hsuan-Feng Wu, Wen-Feng Fang, Hung-Chen Chen, Chiung-Yu Lin, Meng-Chih Lin

- PA1964** **Late Breaking Abstract - Cost effectiveness of as-needed budesonide/formoterol vs low-dose ICS maintenance therapy in mild asthma patients: A UK perspective**
J. Mark FitzGerald (Vancouver (BC), Canada), Sofie Arnetorp, Caitlin Smare, Danny Gibson, Karen Coulton, Kirsty Hounsell, Mohsen Sadatsafavi

- PA1967** **Direct and indirect costs of COPD treatment in Pune city, India**
Nagesh D. Dhadge (Pune (Maharashtra), India), Jyoti Londhe, Kirti Mudliar, Krutika Powar, Sanjay Gaikwad, Mahavir Modi, Balasaheb Pawar, Medha Bargaje, Gauri Godbole, Parag Khatavkar, Yogesh Agrawal, Himanshu Pophale, Yuvaraj Badhe, Sahebrao Toke, Sapna Madas, Sundeep Salvi

- PA1966** **Where and by whom do patients want to be cared for: Preferences for the Breathlessness Support Service in England?**
Deokhee Yi (London, United Kingdom), Anna Johnston, Evelyne Burssens, Maria Joao Cardoso Teixeira, Wei Gao, Charles Reilly, Irene J Higginson

- PA1968** **How does EQ-5D-5L perform in asthma patients?**
Larissa Schwarzkopf (Neuherberg, Germany), Boglárka Szentes, Michael Schuler, Nicola Leibert, Dennis Nowak, Michael Wittmann, Hermann Faller, Konrad Schultz

- PA1969** **Cost burden in COPD patients initiating ICS vs. non-ICS maintenance regimens**
Swetha Palli (Ridgefield, United States of America), Ami Buikema, Mary Ducharme, Amy Johnson, Monica Frazer, Jessica Elder

- PA1970** **Trends in drug costs and overall survival in patients diagnosed with metastatic non-small cell lung cancer (NSCLC)**
Christine M. Cramer - van der Welle (Utrecht, Netherlands), Bas J.M. Peters, Maarten J. Deenen, Franz M.N.H. Schramel, Ewoudt M.W. Van De Garde

- PA1971** **Cost Calculations of CT guided biopsy of lung lesions in an emergent country**
Hela Cherif (Tunis, Tunisia), Saoussen Hantous, Monia Attia, Meriem Affes, Henda Neji, Ines Baccouche, Khaoula Ben Miled

- PA1972** **Cost Analysis Of An Intermediate Respiratory Care Unit. Is It Really Efficient And Safe?**
Itziar Fernandez Ormaechea (Madrid, Spain), Sara B. Heili Frades Zimmermann, María Del Pilar Carballosa De Miguel, Marina Galdeano Lozano, Xavier Mate García, Ignacio Mahillo Fernández, Laura Álvarez Suárez, Farah Ezzine De Blas, Alba Naya Prieto, María José Checa Venegas, Nicolás González Mangado, Germán Peces Barba

- PA1973** **Quality indicators in pleural pathology. Pre and post publication study**
Gianna Vargas Centanaro (Madrid, Spain), Beatriz Morales Chacon, Ismael Ali García, María Teresa Río Ramírez, Nuria Abad Santamaría, Andrés Giménez Velando, Mercedes Izquierdo Patrón, Bárbara Steen

- PA1974** **A phone call shortens waiting list. Interventions to reduce waiting lists and improve the performance of a pneumological clinic.**
Diego Bagnasco (GENOVA (GE), Italy), Alice Bragantini, Giovanni Passalacqua

PA1975 **The impact of a new recruitment strategy to improve recruitment of participants to research studies**
Michelle Bourne (Leicester (Leicestershire), United Kingdom), sarah parker, Sarah Terry, Robert Free

PA1976 **A study of burnout and professional fulfilment among respiratory physicians (RP) in United Kingdom (UK)**
Shahbaz Piracha (walsall (West Midlands), United Kingdom), Ahmad Raza, Muhammad Niazi, Muhammad Saleem, Muhammad Ganaie, Usman Maqsood

6C

Session 231

08:30 - 10:30

Poster discussion: Air pollution and respiratory healthDisease(s) : **Airway diseases**

Method(s) : Public health Epidemiology Cell and molecular biology

Chairs : Lidwien A.M. Smit (Utrecht, Netherlands), Jouni J.K. Jaakkola (Oulu, Finland)

PA1977 **Interactions between Toll-Like Receptor 4 (TLR4) polymorphisms and urban or rural living on the risk for Asthma**
Marta Alina Kisiel (Uppsala, Sweden), Mathias Rask-Andersen, Åsa Johansson, Weronica Ek, Anna Rask-Andersen

PA1978 **Parental occupational exposures before conception & development of asthma in their children**
Vivi Schlünssen (Århus C, Denmark), Kathrine Pape, C. Svanes, C. S. Sejbæk, A. Malinovschi, B. Benediktsdottir, B. Forsberg, C. Janson, G. Benke, J. Martínez-Moratalla, J. L. Sánchez-Ramos, J. P. Zock, K. Toren, L. Bråbäck, M. Holm, R. Jögi, R. J. Bertelsen, T. Gíslason, T. Sigsgaard, X. Liu, K. S. Hougaard, A. Johannessen, C. Lodge, S. Dharmage, V. Schlünssen

PA1979 **Comparative toxicity of various biodiesel exhaust exposures compared with diesel.**
Katherine Landwehr (Perth, Australia), Jessica Hillas, Ryan Mead-Hunter, Andrew King, Rebecca O'Leary, Anthony Kicic, Benjamin Mullins, Alexander Larcombe

PA1980 **Endotoxin and particulate matter emitted by livestock farms and respiratory health effects in neighboring residents**
Myrna M.T. de Rooij (Utrecht, Netherlands), Lidwien A.M. Smit, Hans J. Erbrink, Thomas J. Hagenaars, Gerard Hoek, Nico W.M. Ogink, Albert Winkel, Dick J.J. Heederik, Inge M. Wouters

PA1981 **Toxicological effects of particulate matter from a Nordic chimney wood stove on two human lung cell lines**
Ala Muala (Umeå, Sweden), Oskari Uski, Jamshid Pourazar, Greg Rankin, Christoffer Boman, Natxo Garcia, Robert Lindgren, Anders Blomberg, Thomas Sandström

PA1982 **'Clean' outdoor jobs are not clean because of very high levels of PM exposure in polluted cities**
Denis Vinnikov (Almaty, Kazakhstan), Zhangir Tulekov, Aizhan Raushanova

PA1983 **Exposure to wood smoke induced activation of lymphocyte subtypes in peripheral blood**
Jamshid Pourazar (Umeå, Sweden), Maria Sehlstedt, Gregory Rankin, Oskari Uski, Christoffer Boman, Natxo Garcia Lopez, Robert Lindgren, Thomas Sandström, Anders Blomberg, Annelie Behndig, Ala Muala

PA1984 **Forecasting the association of air quality and health outcomes in Ontario**
Siwei (Jocelyn) Liang (Toronto (ON), Canada), Erjia Ge, Jingqin Zhu, Rachel Mcgihon, Emilie Terebessy, Yushan Su, Teresa To

PA1985 **Longitudinal asthma changes in Italian general population samples: host and environmental risk factors**
Sara Maio (Pisa (PI), Italy), Sandra Baldacci, Marzia Simoni, Anna Angino, Stefania La Grutta, Vito Muggeo, Nicola Murgia, Giovanni Viegi

PA1986 **Two-year onset of respiratory symptoms among Chinese school children: the role of dampness, ETS and redecoration at home and PM10, NO2, SO2 and inadequate ventilation flow in the classroom**
Dan Norback (Uppsala, Sweden), Xin Zhang, Tian Li, Chenghuan Li, Xu Bai, Zhuohui Zao

PA1987 **Greenness surrounding schools and lung function in Chinese children: The Seven Northeastern Cities Study**
Yang Zhou (, China), Dinh S Bui, Jennifer L Perret, Adrian J Lowe, Caroline J Lodge, Shyamali C Dharmage, Guang Hui Dong

PA1988 **Acute respiratory effects of livestock related air pollution on a panel of COPD patients**
Warner van Kersen (Utrecht, Netherlands), Marieke Oldenwening, Bernadette Aalders, Lizan D. Bloemsma, Floor Borlée, Dick Heederik, Lidwien A.M. Smit

PA1989 **Indoor dampness and molds and occurrence of ACOS in working-aged adults**
Maritta S. Jaakkola (Oulu, Finland), Taina K. Lajunen, Jouni J.K. Jaakkola

PA1990 **Shipping-related particulate matter air pollution – source-specific effects on bronchial epithelial cells**
Matthew Loxham (Southampton (Hampshire), United Kingdom), Natasha Easton, Matthew Cooper, Sargent Bray, Florentin Bulot, Simon Cox, Jessica Whiteside, Damon Teagle, Steven Johnston, Donna Davies, Gavin Foster

- PA1991** **Effects of diesel exhaust particle exposure on a murine model of chemical asthma**
Miquel de Homdedeu Cortes (Barcelona, Spain), María Jesús Cruz, Silvia Sánchez-Díez, Christian Romero-Mesones, Iñigo Ojanguren, Xavier Muñoz
- PA1992** **Di-butyl phthalate (DBP) augments allergen-induced lung function decline and alters lower airway innate immunology in crossover human study**
Christopher Carlsten (Vancouver (BC), Canada), Danay Maestre, Ryan D. Huff, Carley Schwartz, Anette K. Bølling
- PA1993** **Prenatal and early-life exposure to PM2.5 and O3 and the development of asthma in the first 27 years of life**
Jouni J.K. Jaakkola (Oulu, Finland), Aino K. Rantala, Harri Antikainen, Timo T. Hugg, Jaakko Kukkonen, Leena Kangas, Mikhail Sofiev, Maritta S. Jaakkola

6D

Session 232

08:30 - 10:30

Poster discussion: Current perspectives in sleep-disordered breathing**Disease(s) :** Sleep and breathing disorders**Method(s) :** General respiratory patient care Epidemiology Physiology Public health Pulmonary function testing Cell and molecular biology Imaging**Chairs :** Dries Testelmans (Leuven, Belgium), Isaac Almendros (Barcelona, Spain)

- PA1994** **Electrical stimulation as treatment for obstructive sleep apnoea: a meta-analysis**
Culadeeban Ratneswaran (London, United Kingdom), Ahmad Guni, Miral Al-Sherif, Martino F Pengo, Michael C F Cheng, Baiting He, Joerg Steier, Esther Schwarz
- PA1995** **Daytime predictors of nocturnal hypoxemia and the role of noninvasive ventilation in the management of patients with amyotrophic lateral sclerosis.**
Adamantios Chloros (Yiannitsa, Greece), Artemis Galanou, Michalis Agrafiotis, Konstantina Nikolaou, Maria Papathanasiou, Paschalis Steiropoulos
- PA1996** **Endocrine responses during CPAP-withdrawal in obstructive sleep apnea: data from two randomised controlled trials.**
Sira Thiel (Zürich, Switzerland), Sarah R Haile, Mirko Peitzsch, Esther I Schwarz, Noriane A Sievi, Salome Kurth, Felix Beuschlein, Malcolm Kohler, Thomas Gaisl
- PA1997** **Impaired control of gait in severe obstructive sleep apnea and continuous positive airway pressure treatment: a randomized controlled trial**
Sébastien Baillieul (Grenoble CEDEX 9, France), Bernard Wuyam, Renaud Tamisier, Sébastien Bailly, Meriem Benmerad, Samuel Vergès, Dominic Perennou, Jean-Louis Pépin
- PA1998** **Long-term efficacy of solriamfetol for excessive sleepiness in narcolepsy or obstructive sleep apnea**
Jean-Louis Pépin (Grenoble, France), Richard Schwab, Colin Shapiro, Jan Hedner, Monsoor Ahmed, Nancy Foldvary-Schaefer, Pat Strollo, Geert Mayer, Katie Sarmiento, Michelle Baladi, Patty Chandler, Lawrence Lee, Atul Malhotra
- PA1999** **GAD1 polymorphism is associated with obstructive sleep apnea in asthma patients**
Elizaveta Sheludko (Blagoveshchensk (Amur Oblast), Russian Federation), Denis Naumov, Olesya Kotova, Dina Gassan, Juliy Perelman
- PA2000** **Obstructive sleep apnoea screening in the truck driver population**
Luca Roberti (Roma, Italy), Carmelo Causarano, Pierpaolo Prosperi, Trifone Mastrogiacomo, Federtrasporti Federtrasporti, Giuseppe Insalaco
- PA2001** **Association of obstructive sleep apnea syndrome and idiopathic pulmonary fibrosis: in vitro and in vivo study based on physical characteristics**
Justine Frija-Masson (Paris, France), Kaixian Zhu, Charles-Philippe Thévenin, Sébastien Hardy, Yann Rétory, Marie-Pia D'Ortho
- PA2002** **Unexpected large pressure increases during inspiration with new generation CPAP devices**
Giuseppe Liistro (Bruxelles, Belgium), Myriam Dury, Valérie-Anne Chantrain, Gimbada B. Mwenge
- PA2003** **High rate of intolerance to ASV in patients with Cheynes-Stokes respiration (CSR)**
Emilia Mazzuca (Palermo (PA), Italy), Pierpaolo Baiamonte, Claudia I Gruttad'Auria, Margherita Algeri, Cinzia Arena, Giada Linguanti, Alessandra Castrogiovanni, Maria R Bonsignore
- PA2004** **Impact of continuous or automatic positive airway pressure (CPAP/ APAP) pressure change on the apnoea-hypopnoea index (AHI): big data analysis**
Jeffrey Armitstead (Sydney (NSW), Australia), Atul Malhotra, Carlos Nunez, Jingjing Li, Jean-Louis Pepin, Peter Cistulli, Adam Benjafield, Holger Woehrle

- PA2005** **The effect of positive airway pressure on cholesterol in patients with sleep apnea: Data from the European Sleep Apnea Network (ESADA)**
Özen Kaçmaz Basoglu (Izmir, Turkey), Canan Gunduz, Sofia Schiza, Johan Verbraecken, Paschalis Steiropoulos, John A. Kvamme, Pavol Joppa, Gabriel Roisman, Holger Hein, Georgia Trakada, Jan Hedner, Ludger Grote
- PA2006** **The relationship between loop gain and respiratory regulation in Obstructive sleep apnea**
liang si (Tianjin, China), Jie Cao, Jing Zhang, Baoyuan Chen
- PA2007** **Positive airway pressure treatment reduces glycated hemoglobin (HbA1c) levels in obstructive sleep apnea patients: Longitudinal data from the ESADA**
Özen Kaçmaz Basoglu (Izmir, Turkey), Mehmet Sezai Taşbakan, Ludger Grote, Jan Hedner, John-Arthur Kvamme, Johan Verbraecken, Walter T. McNicholas, Gabriel Roisman, Ruzena Tkacova, Maria R. Bonsignore, Tarja Saaresranta, Paschalis Steiropoulos
- PA2008** **A randomized, double-blind, placebo-controlled trial on the effect of intranasal corticosteroid as a treatment for moderate to severe obstructive sleep apnea with coexisting chronic rhinitis**
Vorakamol Phoophiboon (Bangkok, Thailand), Naricha Chirakalwasan
- PA2009** **Pulmonary artery obstruction index and RV/LV ratio in patients with pulmonary embolism as a severity index risk factor for obstructive sleep apnea**
Doaa Magdy (Assiut, Egypt), Ahmed Metwally, Marwa Makboul, Shima Farghaly
- PA2010** **Prevalence of metabolic syndrome from patient with obstructive sleep apnea and hypertension**
Glenda Ernst (Ciudad Autónoma Buenos Aires, Argentina), Melina Saban, Miguel Schiavone, Magali Blanco, Silvana Schonfeld, Alejandro Salvado, Eduardo Borsini
- PA2011** **The effects of chronic intermittent hypoxia on dopaminergic neurodegeneration**
Ching-Lung Liu (Taipei, Taiwan), Chien-Fu F. Chen, Kuo-Hsing Ma, Yen-Ta Lu

7B

Session 233

08:30 - 10:30

Poster discussion: Clinical problems from non-malignant pleural disease to hypoventilation**Disease(s)** : Respiratory critical care Sleep and breathing disorders Airway diseases Thoracic oncology**Method(s)** : General respiratory patient care Palliative care Pulmonary function testing Imaging Respiratory intensive care Public health**Chairs** : Gian Galeazzo Riario Sforza (Milano (MI), Italy), David M. G. Halpin (Devon, United Kingdom)

- PA2012** **NONCOMPLIANCE & TOBACCO USE IN PATIENTS WITH LONG-TERM OXYGEN THERAPY (LTOT)**
Miguel Angel Hernandez Mezquita (Aldeatejada, Spain), Enrique Barrueco-Otero, Maria Bartol-Sánchez, Javier Pérez-Rodríguez, Jose María González Ruíz, Rosa Cordovilla Pérez, Soraya Jodra Sánchez, Ana Sánchez Fernández
- PA2013** **Long-term positive airway pressure therapy in obesity hypoventilation syndrome. Cost study**
M^a Angeles Sanchez Quiroga (Plasencia, Spain), Juan Fernando Masa Jiménez, Babak Mokhlesi, Ivan Benitez, Francisco Javier Gómez De Terreros, Auxiliadora Romero, Candela Caballero Eraso, Joaquin Teran Santos, María Luz Alonso Álvarez, María Fernanda Troncoso, Monica González, Soledad López Martin, José María Marín, Sergi Marti, Trinidad Díaz Cambriles, Eusebi Chiner, Carlos Egea Santaolalla, Javier Barca, Francisco José Vázquez Polo, Miguel Angel Negrin, Maria Martel Escobar, Ferran Barbe, Jaime Corral
- PA2014** **The effectiveness and cost-effectiveness of hospital palliative care for adults affected by advanced illness and breathlessness: a systematic review and meta-analysis**
Sabrina Bajwah (London, United Kingdom), Adejoke Oluyase, Deokhee Yi, Wei Gao, Catherine Evans, Gunn Grande, Chris Todd, Massimo Constantini, Fliiss Murtagh, Irene Higginson
- PA2015** **The Pickwick randomized clinical trial: long-term positive airway pressure therapy in obesity hypoventilation syndrome**
M^a Angeles Sanchez Quiroga (Plasencia, Spain), Juan Fernando Masa Jiménez, Babak Mokhlesi, Ivan Benítez, Francisco Javier Gómez De Terreros, Auxiliadora Romero, Candela Caballero Eraso, Joaquin Teran Santos, María Luz Alonso Álvarez, María Fernanda Troncoso, Mónica González, Soledad López Martin, José María Marín, Sergi Marti, Trinidad Díaz Cambriles, Eusebi Chiner, Carlos Egea Santaolalla, Javier Barca, Francisco Jesus Vázquez Polo, Miguel Angel Negrin, Maria Martel Escobar, Ferran Barbe, Jaime Corral
- PA2016** **Prospective observational study on short-term and long-term effects of elective performed intravascular treatment using gelatin sponge for recurrent hemoptysis or chronic sustained hemoptum**
Manabu Suzuki (Tokyo, Japan), Ai Sasaki, Tamaki Kakuwa, Yoshie Tsujimoto, Keita Sakamoto, Masao Hashimoto, Satoru Ishii, Eriko Morino, Jin Takasaki, Go Naka, Motoyasu Iikura, Shinyu Izumi, Yuichirou Takeda, Haruhito Sugiyama

PA2017 **The Dutch Pneumothorax Study: analogue versus digital drainage in PSP, a randomized trial**
Marielle Blacha (Maarssen, Netherlands), Dieuwertje Ruigrok, Peter Kunst, Paul Bresser, Ben Tomlow, Wim Boersma, Jacobine Herbrink, Ivo Van Der Lee, Kris Mooren

PA2018 **A retrospective audit of spontaneous pneumothorax management in a tertiary Australian hospital.**
Deirdre B Fitzgerald (Perth, Australia), Nicholas Heberlein, Y C Gary Lee

PA2019 **Predictive value of oxygen desaturation during conscious sedation for flexible bronchoscopy regarding Obstructive Sleep Apnea (PROSA)**
Andrei Darie (Basel, Switzerland), Desiree Schumann, Werner Strobel, Kathleen Jahn, Eric Pflimlin, Michael Tamm, Daiana Stolz

PA2020 **Bilateral chylothorax due to gastric carcinoma and metastatic prostate carcinoma: Case reports**
Pinar Yıldız (Istanbul, Turkey), Sariha Buyukluoglu, Mesut Bayraktaroglu

PA2021 **Electromagnetic navigation bronchoscopy for peripheral nodules**
Kathleen Jahn (Basel, Switzerland), Riccardo Hartmann, Desiree Schumann, Jens Bremerich, Michael Tamm, Daiana Stolz

PA2022 **impact of continous positive airway pressure therapy on exhaled nitic oxide in obstructive sleep apnea syndrome**
Luci Suliman (Mansoura, Egypt), Marium Sabry, Mohsen Elshafey, Ahmed Mansour

PA2023 **Potential bed-day savings in patients admitted unnecessarily for pleural invesigation**
Jenny Ferguson (Glasgow, United Kingdom), Ciaran Groome, Laura Mcnaughton, Kevin G Blyth, Selina Tsim

PA2024 **Prevention of drug-induced liver injury in patients with pulmonary tuberculosis and chronic hepatitis C**
Diana Ivanova (Moscow, Russian Federation), Diana Ivanova, Sergey Borisov, Dmitriy Kudlay, Nicolay Nikolenko, Ludmila Slogotskaya, Yulia Garmash

PA2025 **Impact of alpha-1 antitrypsin level on longitudinal lung function change: The Nagahama Study**
Satoshi Hamada (Kyoto, Japan), Kimihiko Murase, Yasuharu Tabara, Takuma Minami, Naomi Takahashi, Yoshinari Nakatsuka, Hirofumi Takeyama, Toyohiro Hirai, Fumihiko Matsuda, Tomohiro Handa, Kazuo Chin

PA2026 **The spontaneous recovery of unilateral diaphragm dysfunction: a long-term follow-up study**
Anne Roorda, Marjolein Brusse-Keizer, Frans De Jongh, Timon Fabius, Michiel Eijsvogel

PA2027 **Role of C-reactive protein in distinguishing between transudative and exudative pleural effusion**
Yana Kogan (HAIFA, Israel), Edmond Sabo, Majed Odeh

RETIRO

Session 234

08:30 - 10:30

Poster discussion: Advances in COPD pharmacology

Disease(s) : [Airway diseases](#) [Respiratory critical care](#) [Sleep and breathing disorders](#)

Method(s) : General respiratory patient care Cell and molecular biology Pulmonary function testing Physiology Endoscopy and interventional pulmonology

Chairs : Thomas Wilkinson (Southampton (Hampshire), United Kingdom), Loes E. M. Kistemaker (Groningen, Netherlands)

PA2028 **Late Breaking Abstract - Activation of a murine skeletal muscle M3 muscarinic Designer Receptor Exclusively Activated by Designer Drug (DREADD) has cardiopulmonary consequences**
Sandra Vincent (Kingston, Canada), Derek Bone, Jürgen Wess, John T Fisher

PA2029 **Late Breaking Abstract - Pigment epithelium-derived factor regulates cigarette-induced abnormal apoptosis of alveolar type II cells**
Luqi Dai (Chengdu, China), Tao Wang, Lian Liu, Jun Chen, Fuqiang Wen

PA2030 **Late Breaking Abstract - Ability of Hong Kong COPD patients to inhale dry powder inhaler**
Sui-Na Tsui (Hong Kong, Hong Kong), chun lung lee, Veronica Lee Chan, Polly Ka Po Pang, Suet Lai Cheng, Pik Shan Cheung, Veronica Si En Chan, Chung Ming Chu

PA2032 **Beclomethasone, formoterol and glycopyrronium: synergism of triple therapy on human airways**
Paola Rogliani (Roma (RM), Italy), Maria Gabriella Matera, Ermanno Puxeddu, Francesco Cavalli, Francesco Facciolo, Mario Cazzola, Luigino Calzetta

PA2033 **Effects of a-1 antitrypsin augmentation therapy and a-1 antitrypsin deficiency in pneumococcal pneumonia in mice**
Lena Ostermann (Hannover, Germany), Regina Maus, Jennifer Stolper, Lisanne Schütte, Femke Hollwedel, Sabina Janciauskiene, Chris Mueller, Tobias Welte, Ulrich A. Maus

PA2034 **Erythromycin inhibits neutrophil extracellular traps in smoking-related chronic pulmonary inflammation**
Xiaoning Zhong (Nanning (Guangxi), China), Hui Zhang, Shilin Qiu, Qiya Tang, Xiu Zhou, Jianquan Zhang, Zhiyi He, Jing Bai, Meihua Li, Jingmin Deng, Yi Liang

PA2035	Effect of photobiomodulation on reduction of CD4STAT4 and CD4IFN-γ and increased treg cells and IL-10 in an experimental model of COPD. Auril�ia Aparecida De Brito L�eia (Vargem Grande Paulista, Brazil), Tawany Gonalvez Santos, Karine Zanella Herculano, Nicole Cristine Rigonato-Oliveira, Renata Kelly Palma, Adriana Lino Dos Santos Franco, Kristianne Porta Santos Fernandes, Cristiano Rodrigo Alvarenga-Nascimento, Rodolfo Paula Vieira, Flavio Aimbire, Ana Paula Ligeiro-Oliveira
PA2036	Effects of anti-IL-5 receptor alpha in an ex vivo 3D model of COPD Alida Benfante (Palermo (PA), Italy), Alessandro Pitruzzella, Alberto Fucarino, Fabio Bucchieri, Nicola Scichilone
PA2037	Relationship between pre-bronchodilator FEV1 and ex-vivo intrinsic tone in human small airways Farid Sanai (Sydney (NSW), Australia), Alvenia Cairncross, Peter B Noble, John G Elliot, Alan L James, Gregory G King, Brent E Mcparland
PA2038	Bifidobacterium breve and Lactobacillus rhamnosus Attenuate the Inflammatory Mediators Secretion in a Human Bronchial Epithelial (BEAS) Cells Culture Stimulated with Cigarette Extract Flavio Aimbire (S�o Jos� dos Campos (SP), Brazil), Munique Miranda, Ana Fialho, Regiane Albertini, Alexandre Keller
PA2039	Validation of sputum supernatant biomarker assays in stable and exacerbating COPD subjects Alex Mulvanny (Manchester (Greater Manchester), United Kingdom), Caroline Pattwell, Julia Chomiak, Thomas Southworth, Dave Singh
PA2040	Bronchial Rheoplasty Increases Distal Airway Volume in Chronic Bronchitis Victor Kim (Philadelphia, United States of America), William Krinsky, Brett Bannan, Michelle Machuca, Wim Vos, Jan De Backer, Arshang Valipour, Alvin Ing, Jonathan Williamson, Tajalli Saghaie, Daniel Steinfort, Gregory Snell, Sebastian Fernandez-Bussy, Eli Dabscheck, Lou Irving, Simon Martel, Marc Fortin, Jonathan Waldstreicher
PA2041	Effect of 2-Year therapy with Roflumilast in severe systemic inflammation in COPD with metabolic syndrome Elena Blinova (Chelyabinsk (Chelyabinsk Oblast), Russian Federation), Galina Ignatova, Irina Grebneva, Olga Rodionova
PA2042	Anti-interleukin 5 treatment in moderate to severe eosinophilic chronic obstructive pulmonary disease: a systematic review and meta-analysis Irene Rosellen Tan (Manila, Philippines), Ralph Elvi Villalobos, Anjuli May Jaen, Aileen David-Wang
PA2043	Oral and inhalation usage of acetylcysteine in patients with COPD Galyna Gumeniuk (Kyiv, Ukraine), Nina Kuzmenko, Oleh Iaremenko, Dmytro Dobrianskiy, Roman Ilnytskyi
PA2044	Effect of CHF6001, a novel inhaled phosphodiesterase-4 inhibitor (PDE4i) on markers of inflammation in COPD patients Dave Singh (Manchester, United Kingdom), Mirco Govoni, Michele Bassi, Kai Michael Beeh, Brendan Colgan, Oliver Kornmann, Brian Laeker, Henrik Watz, Germano Lucci, Silvia Geraci, Emanuele Calabro Rocco, Aida Emirova, Marie Anna Nandeuil

No Room	Session	09:00 - 12:00
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Game Zone: GAME ZONE - SESSION 4

09:00	Bronchoscopy Andrea Crespo Sedano (Vallodolid, Spain)
09:00	Chest drain placement Maria Alvarenga Santos (Lisboa, Portugal)
09:00	Endobronchial valve placement Suman Paul (Warrington, United Kingdom)
09:00	Cryobiopsy Luca Morandi (Ferrara (FE), Italy)
09:00	Inspiratory muscle training Mariana Hoffman (Belo Horizonte (MG), Brazil)
09:00	Rigid bronchoscopy Mounir Ghali (Grand Rapids, United States of America)
09:00	Spirometry Jake Erwin (Manchester, United Kingdom)
09:00	Thoracic ultrasound Maged Hassan (Plymouth, United Kingdom)

09:00 **Tracheal intubation**
Antoni Marín Muñiz (Badalona (Barcelona), Spain)

8B **Session 242** **10:45 - 12:45**

Grand round: Clinical Grand Round

Unexplained breathlessness: from (differential) diagnosis to rehabilitation care

Aims : to identify the degree to which the lungs are etiologically linked to an unexplained breathlessness; to explain the interplay of pathophysiological mechanisms causing breathlessness in relation to ventilatory, central haemodynamic and peripheral muscle abnormalities; to describe non-pharmacological approaches to manage breathlessness

Disease(s) : Interstitial lung diseases Pulmonary vascular diseases Airway diseases

Method(s) : General respiratory patient care Imaging Physiology Pulmonary function testing Pulmonary rehabilitation Surgery Transplantation

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, Lung function technologist, Nurse, Patient, Physiologist, Physiotherapist, Radiologist, Scientist (basic, translational), Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician, General practitioner

Chairs : Athol Wells (London, United Kingdom), Guido Vaghegini (Volterra (PI), Italy)

10:45	Is it the heart or lung that fails? Elena Bargagli (Siena, Italy)	2064
11:15	Long-term oxygen therapy revisited Elisabetta Renzoni (London, United Kingdom)	2065
11:45	Exertional breathlessness: a tailor-made approach Ioannis Vogiatzis (Newcastle upon Tyne (Tyne and Wear), United Kingdom)	2066
12:15	Managing breathlessness with a comprehensive pulmonary rehabilitation programme Claire M. Nolan (Richmond, United Kingdom)	2067

7A **Session 243** **10:45 - 12:45**

Symposium: State of the art session: Sleep and breathing disorders

Focus and update on chronic intermittent hypoxia

Aims : to describe recent advances in chronic intermittent hypoxia in diverse respiratory conditions, such as asthma, COPD and obesity, and at different ages, including children.

Disease(s) : Airway diseases Paediatric respiratory diseases Sleep and breathing disorders

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Paediatrician, Physiologist, Trainee, Adult pulmonologist/Clinician

Chairs : Andrea Aliverti (Milan, Italy), Sophia E. Schiza (Heraklion, Greece)

10:45	ERS/EAN/ESO/ESRS Statement on the impact of sleep disorders on risk and outcome of stroke Winfried J. Randerath (Solingen, Germany)	2068
11:05	Hypoxic conditioning as a new therapeutic modality Samuel Vergès (Grenoble, France)	2069
11:30	Emerging comorbidities of obstructive sleep apnoea: is intermittent hypoxia the only mechanism involved? ivana Rosenzweig (London, United Kingdom)	2070
11:55	Asthma, obesity, metabolic dysfunction and obstructive sleep apnoea Maria Bonsignore (Palermo, Italy)	2071
12:20	Intermittent hypoxia and sleep disorders in children Refika Hamutcu Ersu (Ottawa, Canada)	2072

9E **Session 244** **10:45 - 12:45**

Symposium: Improving respiratory health through education

Yernault lecture

Aims : to cover the most important and topical areas in respiratory infection, namely vaccination, tuberculosis and smoking. All three areas require ongoing teaching and learning and particularly education about how to communicate important health information between health professionals and individual patients, as well as the public at large. Overcoming misapprehensions, especially on social media, has become an increasingly important aspect of maintaining a rational approach to improve respiratory health.

Disease(s) : Respiratory infections

Method(s) : Pulmonary function testing

Tag(s) : Clinical

Target audience : General practitioner, Nurse, Physiotherapist, Policy maker, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Daiana Stolz (Basel, Switzerland), Stefano Aliberti (Milan, Italy)

10:45	Introduction Daiana Stolz (Basel, Switzerland)	
10:47	Continuing professional development in respiratory medicine Gernot G.U. Rohde (Frankfurt am Main, Germany)	2073
11:15	Addressing the challenge of vaccine hesitancy: an educational programme Siddhartha Sankar Datta (Copenhagen, Denmark)	2074
11:43	People-Centred Care in Tuberculosis - Advocacy, community and achieving quality care Paul Sommerfeld (London, United Kingdom)	2075
12:07	Engaging communities in advancing patient perspectives Oxana Rucsineanu (, Republic of Moldova)	2076
12:17	Health communication and smoking Elif Dagli (Istanbul, Turkey)	2077

9A Session 245 10:45 - 12:45

Hot topics: New recommendations and priorities for asthma management

A joint GINA/ERS update on asthma

Aims : to provide an update on key changes in the GINA 2019 strategy report, particularly those relating to prevention of exacerbations in mild and severe asthma, and an update on asthma management in children; to highlight current knowledge of the mechanisms underlying the adverse effects of β_2 -agonists in asthma and prevention of exacerbations associated with respiratory viral infections; to identify priority areas for future research and study designs in mild/severe and paediatric asthma.

Disease(s) : Airway diseases Paediatric respiratory diseases Respiratory infections

Method(s) : Cell and molecular biology General respiratory patient care Pulmonary function testing

Tag(s) : Translational

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Paediatrician, Patient, Physiotherapist, Policy maker, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Antonio Spanevello (Milan, Italy), Eric D. Bateman (Cape Town, South Africa)

10:45	Asthma attacks: pathogenesis and therapeutic implications Sebastian L. Johnston (London, United Kingdom)	2078
11:15	Resetting the agenda: a new approach to mild asthma Helen Reddel (Sydney, Australia)	2079
11:45	Update in paediatrics: bridging the evidence gap Louise Fleming (London, United Kingdom)	2080
12:15	Management of severe asthma in adults in 2020 Guy Brusselle (Ghent, Belgium)	2081

9C Session 246 10:45 - 12:45

Hot topics: Tracheobronchomalacia in children

Paediatrics meets ENT and thoracic surgery

Aims : to review the current understanding and literature regarding clinical care of tracheobronchomalacia; to identify the clinical presentations of tracheobronchomalacia; to compare the available treatments and to choose the appropriate investigations and treatments for patients; to present the conclusions of the ERS statement on trachea-bronchomalacia; to emphasise the close collaboration between the paediatrician, ENT surgeon, interventional radiologist, physiologist and thoracic surgeon as well as the need for a multidisciplinary approach; to present take-home ideas for future research.

Disease(s) : Paediatric respiratory diseases**Method(s) :** General respiratory patient care Imaging Pulmonary function testing Pulmonary rehabilitation Surgery**Tag(s) :** Clinical**Target audience :** General practitioner, Lung function technologist, Paediatrician, Patient, Physiotherapist, Radiologist, Thoracic surgeon, Trainee**Chairs :** Colin Wallis (London, United Kingdom), Kostas Priftis (Haidari (Athens), Greece)

10:45	Tracheobronchomalacia in children: pathophysiology and clinical presentation Anne Bernadette Chang (Brisbane (QLD), Australia)	2082
11:10	Investigating children with tracheobronchomalacia Fabio Midulla (Roma (RM), Italy)	2083
11:35	The role of the surgeon in treating tracheobronchomalacia in children Juan L. Anton-Pacheco (Madrid, Spain)	2084
12:00	The role of the paediatrician in caring for children with tracheobronchomalacia Jayesh M. Bhatt (Nottingham (Nottinghamshire), United Kingdom)	2085
12:25	Key messages from the ERS statement on tracheobronchomalacia in children Colin Wallis (London, United Kingdom)	2086

9D Session 247 10:45 - 12:45**Symposium: Preventing childhood asthma in the digital era: harnessing the potential of exposome components for public health****Aims :** to consider new tools for assessing exposure (remote sensors), new emergent factors and analysis of the exposome to take into account interactions among factors. This approach should pave the way for personalised prevention.**Disease(s) :** Paediatric respiratory diseases**Method(s) :** Epidemiology Public health**Tag(s) :** Clinical**Target audience :** Allergist, Paediatrician, Scientist (basic, translational)**Chairs :** Isabel Saraiva (Cascais, Portugal), Giovanni Viegi (Pisa (PI), Italy)

10:45	Low but repeated doses: the story of phthalates and respiratory health Maribel Casas (Barcelona, Spain)	2087
11:15	Development of an indoor environmental exposure index for public health Tim Takaro (Burnaby, Canada)	2088
11:45	Outdoor air pollution, asthma and lung function Jonathan Grigg (London, United Kingdom)	2089
12:15	Defining the early-life exposome involved in respiratory health Isabella Annesi Maesano (Paris, France)	2090

8C Session 248 10:45 - 12:45**Symposium: Update on anticoagulant therapy: controversy and progress****Aims :** to provide an update on the use of anticoagulants for prophylaxis and treatment of venous thromboembolism. Specifically, to discuss which agents to use, the management of complications and the duration of anticoagulant therapy.**Disease(s) :** Pulmonary vascular diseases**Tag(s) :** Clinical**Target audience :** Clinical researcher, Critical/Intensive care physician, General practitioner, Patient, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Philippe Girard (Paris, France), Luis Jara-Palomares (Sevilla, Spain)

10:45	Prophylaxis of venous thromboembolism : what is new? Roger Yusen (St. Louis, United States of America)	2091
11:15	Direct - acting oral anticoagulants: which agent for which patient? Alexander Cohen (London, United Kingdom)	2092

11:45	Management of bleeding during anticoagulant therapy Erik Klok (Leiden, Netherlands)	2093
12:15	Duration of anticoagulant therapy: a change in the paradigm Francis Couturaud (Brest, France)	2094

9F Session 249 10:45 - 12:45

Lungs on Fire: Lung cancer?

Aims : to explore the real-life challenging clinical cases in the innovative interactive session; to present the cases that have various levels of difficulty and often necessitate a differential diagnosis. This session is led by a discussant that will present the cases to a panel of experts and the audience. The discussant will encourage discussion among the panel of experts, who have never seen the cases, and additionally invite the audience in the reflexion and discussion of the cases presented to explore the various diagnostic and therapeutic options.

Disease(s) : Thoracic oncology Respiratory infections

Tag(s) : Clinical

Target audience : Thoracic oncologist, Thoracic surgeon, Critical/Intensive care physician, Clinical researcher, General practitioner, Adult pulmonologist/Clinician, Paediatrician, Radiologist, Nurse, Pathologist, Trainee

Chairs : Mina Gaga (Athens, Greece), Rudolf M. Huber (Munich, Germany), Georgia Hardavella (London, United Kingdom), Gilbert Massard (Esch Sur Alzette, Luxembourg)

Discussants : Sam Janes (London, United Kingdom)

Case 1 - Author: Kim De Muynck (Belgium) 2096

Case 2 - Author: Joao Pedro Steinhauser Motta (Brazil) 2097

Case 3 - Author: Federica Pezzuto (Italy) 2098

Case 4 - Author: Taeyun Kim (South Korea) 2099

Case 5 - Author: Aleksandra Barac (Serbia) 2100

Case 6 - Author: Irene Rosellen Tan (Philippines) 2101

10:45 **Introduction and case presentations by the session facilitator**
Sam Janes (London, United Kingdom) 2095

8A Session 250 10:45 - 12:45

Oral presentation: New towards old therapies in airway diseases

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Epidemiology Cell and molecular biology Endoscopy and interventional pulmonology

Chairs : David M. G. Halpin (Devon, United Kingdom), Dave Singh (Manchester, United Kingdom)

OA2102 **Late Breaking Abstract - Anti-IL-4 and anti-IL-13 dual vaccination using Kinoid technology prevents development of allergic asthma in mice**
Eva Conde Garcia (Paris, France), Romain Bertrand, Bianca Balbino, Jonathan Bonnefoy, Julien Stackowicz, Noémie Caillot, Fabien Colaone, Samir Hamdi, Pierre Bruhns, Vincent Serra, Géraldine Grouard-Vogel, Laurent L Reber

OA2103 **Late Breaking Abstract - Spatial pharmacokinetics of inhaled drugs in human lung – evaluation of regional lung targeting by direct sampling of epithelial lining fluid**
Muhammad Waqas Sadiq (Mölndal, Sweden), Olaf Holz, Birthe Ellinghusen, Cornelia Faulenbach, Meike Müller, Philipp Badorrek, Ulf G. Eriksson, Markus Fridén, Stina Stomilovic, Anders Lundqvist, Jens M. Hohlfeld

OA2104 **Late Breaking Abstract - Effectiveness and safety of mepolizumab in real-world clinical practice: the REALITI-A study**
Tim Harrison (Nottingham (Nottinghamshire), United Kingdom), G.Walter Canonica, Kim Gemzoe, Aoife Maxwell, Shibing Yang, Sandra Joksaite, Ronan O'Reilly, Melissa Van Dyke, Frank C. Albers, Namhee Kwon

OA2105 **Late Breaking Abstract - SABA overuse and risk of mortality in a nationwide Swedish asthma cohort (HERA)**
Christer Janson (Uppsala, Sweden), Bright Nwaru, Lars Pål Hasvold, Fredrik Wiklund, Gunilla Telg, Magnus Ekström

OA2106 **Late Breaking Abstract - Dose responses for topical efficacy and systemic activity, dose equivalence and relative therapeutic index for fluticasone furoate (FF), fluticasone propionate (FP) and budesonide (BUD) in asthmatic subjects.**
Peter Daley-Yates (Uxbridge, United Kingdom), Noushin Brealey, Bharath Kumar, Sebin Thomas, Daren Austin, Shaila Shabbir, Tim Harrison, Dave Singh, Neil Barnes

OA2107 **Late Breaking Abstract - Overprescription of short-acting beta2-agonists in asthma management? Pharmacy reports from 91,673 patients in Poland**
Maciej Kupezyk (Stockholm, Sweden), Wojciech Barg, Grażyna Bochenek, Grzegorz Brożek, Dorota Brzostek, Piotr Dąbrowiecki, Andrzej Dąbrowski, Rafał Dobek, Radosław Gawlik, Aleksandra Kucharczyk, Izabela Kupryś-Lipińska, Agnieszka Mastalerz-Migas, Edyta Zagrajek, Marek L. Kowalski

OA2108 **Late Breaking Abstract - Influence of salbutamol use on symptomatic outcomes with maintenance bronchodilators: a pre-specified analysis of the EMAX trial**
François Maltais (Québec (QC), Canada), Ian Naya, Edward Kerwin, Leif Bjermer, Isabelle Boucot, Paul Jones, Lee Tombs, David Lipson, Chris Compton, Claus F. Vogelmeier

9B **Session 251** **10:45 - 12:45**

Oral presentation: Damage and remodelling in pulmonary fibrosis

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#)

Method(s) : Cell and molecular biology Epidemiology

Chairs : Melanie Konigshoff (Denver, United States of America), Bruno Crestani (Paris, France)

OA2109 **Late Breaking Abstract - Repopulated healthy and IPF lung scaffolds show temporal differences in ECM turnover**
Linda Elowsson Rendin (Lund, Sweden), Anna Löfdahl, Emma Åhrman, Catharina Müller, Oskar Rosmark, Xiaohong Zhou, Göran Dellgren, Martin Silverborn, Leif Bjermer, Anna-Karin Larsson-Callerfelt, Johan Malmström, Gunilla Westergren-Thorsson

OA2110 **LSC - 2019 - TRIM33 regulates TGF-β1 secretion and Epithelial-Mesenchymal Transition in pulmonary fibrosis**
Pierre-Marie Boutanquoi (Dijon, France), Pierre-Marie Boutanquoi, Guillaume Beltramo, Lucile Dondaine, Pierre-Simon Bellaye, Olivier Burgy, Bruno Crestani, Carmen Garrido, Françoise Goirand, Philippe Bonniaud

OA2111 **LSC - 2019 - Development of pulmonary fibrosis in conditional Nedd4-2 deficient mice**
Julia Duerr (Berlin, Germany), Dominik H W Leitz, Philip Konietzke, Mark O Wielpütz, Michael F Beers, Marcus A Mall

OA2112 **Role of the TGFβ1-mTOR axis in fibroblast-directed alveolar epithelial regeneration in IPF**
Manuela Platé (London, United Kingdom), Robert E Hynds, Hannah V Woodcock, Rachel C Chambers

OA2113 **Selective YAP/TAZ inhibition in fibroblasts via dopamine receptor D1 agonism reverses fibrosis**
Daniel Tschumperlin (Rochester, United States of America), Andrew Haak, Enis Kostallari, Delphine Sicard, Giovanni Ligresti, Kyoung Moo Choi, Nunzia Caporarello, Dakota Jones, Qi Tan, Jeffrey Meridew, Ana Diaz Espinosa, Aja Aravamudhan, Jessica Maiers, Rodney Britt, Anja Roden, Christina Pabelick, Y S Prakash, S M Nouraie, X Li, Yingzhe Zhang, Danny Kass, David Lagares, Andrew Tager, Xaralabos Varelas, Vijay Shah

OA2115 **SRC family kinase inhibition reduces NOX4 expression in bronchial epithelial cells from Idiopathic Pulmonary Fibrosis patients**
Nicolas Kahn (Heidelberg, Germany), Carmen Veith, Frderik-Jan Van Schooten, Agnes W. Boots, Felix J.F. Herth, Michael Kreuter, March Schneider, Michael Meister

OA2116 **FGF19, a potential innovative target in Idiopathic Pulmonary Fibrosis?**
Aurélien Justet (Paris, France), Mouna Hachem, Tiara Boghanim, Madeleine Jaillet, Lei Ling, Arnaud Mailleux, Bruno Crestani

6F **Session 252** **10:45 - 12:45**

Oral presentation: Injury and repair: less is more

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)

Method(s) : Cell and molecular biology

Chairs : Darcy Wagner (Lund, Sweden), Agnes W. Boots (Maastricht, Netherlands)

OA2117 **Late Breaking Abstract - Mesenchymal stromal cells of the lung: Can we finally tell them apart?**
Dennis Kruk (Groningen, Netherlands), Roy Woldhuis, Corry-Anke Brandsma, Wim Timens, Nick H.T. Ten Hacken, Irene H. Heijink

OA2118 **LSC - 2019 - Surfactant protein SP-D to the rescue of NETosis and NET-induced lung surfactant inactivation**
Raquel Arroyo (Cincinnati, United States of America), Raquel Arroyo Rodriguez, Julia Duerr, Meraj A. Khan, Mercedes Echaide, Nades Palaniyar, Jesús Perez-Gil

- OA2119 Extracellular ATP as a biomarker of severity of chronic obstructive pulmonary disease**
Anita Somborac Bačura (Zagreb, Croatia), Marija Grdić Rajković, Andrea Hulina Tomašković, Iva Hlapčić, Dunja Rogić, Sanja Popović-Grle, Lada Rumora
- OA2120 The PD-1 immune checkpoint promotes lung damage in murine models of COPD-like inflammation**
Felix Ritzmann (Homburg (Saar), Germany), Giovanna Vella, Annette Lis, Adrian Angenendt, Christian Herr, Robert Bals, Christoph Beisswenger
- OA2121 Attacking the NE+ exosome with protamine sulfate effectively attenuates ECM remodeling in a COPD mouse model**
Derek W. Russell (HOOVER, United States of America), Kristopher R. Genschmer, J. Michael Wells, Amit Gaggar, J. Edwin Blalock
- OA2122 Distal Lung Epithelial Regeneration is Driven by Notch Pathway Inhibition and Enhanced by Ex Vivo Native Lung Scaffold Biomimetic Culture**
Sarah Gilpin (Boston, United States of America), Daniel Gorman, Liye Zhu, Tong Wu, Harald Ott

N103

Session 253

10:45 - 12:45

Clinical trials session: ALERT: Abstracts Leading to Evolution in Respiratory Medicine Trials: Interstitial lung diseases and pulmonary hypertension

Aims : to present important clinical trials in respiratory medicine; to summarise key findings and discuss with the audience experts conclusions, to bring clinical trial's abstracts into the clinical context. This session is led by a chair and two expert discussants who will facilitate the discussions and summarise key messages.

Disease(s) : [Interstitial lung diseases](#)

Target audience : Adult pulmonologist/Clinician, Trainee, Clinical researcher, General practitioner, Scientist (basic, translational)

Chairs : Katrin Esther Hostettler (Basel, Switzerland)

Discussants : Martin Kolb (Hamilton (ON), Canada), Michael Kreuter (Heidelberg, Germany)

Late Breaking Abstract - Exploring Efficacy and Safety of oral Pirfenidone for progressive, non-IPF Lung Fibrosis (RELIEF)

- RCT1879** Andreas Guenther (Gießen, Germany), Andreas Guenther, Antje Prasse, Michael Kreuter, Petra Neuser, Klaus Rabe, Francesco Bonella, Reiner Bonnet, Christian Grohe, Matthias Held, Heinrike Wilkens, Peter Hammerl, Dirk Koschel, Stefan Blaas, Hubert Wirtz, Joachim Ficker, Wolfgang Neumeister, Nicolaus Schönfeld, Martin Claussen, Nikolaus Kneidinger, Marion Frankenberger, Simone Hummler, Nicolas Kahn, Silke Tello, Julia Freise, Tobias Welte, Carmen Schade-Brittinger, Jürgen Behr

Late Breaking Abstract - Phase II trial of pirfenidone in patients with progressive fibrosing unclassifiable ILD (uILD)

- RCT1880** Toby Maher (St. Albans, United Kingdom), Toby Maher, Tamera J. Corte, Aryeh Fischer, Michael Kreuter, David J. Lederer, Maria Molina-Molina, Judit Axmann, Klaus-Uwe Kirchgaessler, Katerina Samara, Frank Gilberg, Vincent Cottin

Nintedanib in patients with chronic fibrosing interstitial lung diseases with progressive phenotype: the INBUILD trial

- RCT1881** Kevin R. Flaherty (Pinckney, United States of America), Kevin R. Flaherty, Athol U. Wells, Vincent Cottin, Anand Devaraj, Yoshikazu Inoue, Luca Richeldi, Simon Walsh, Susanne Stowasser, Carl Coeck, Rainer-Georg Goeldner, Emmanuelle Clerisme-Beaty, Rozsa Schlenker-Herceg, Kevin K. Brown

Late Breaking Abstract - Balloon pulmonary angioplasty versus riociguat for the treatment of inoperable chronic thromboembolic pulmonary hypertension: results from the randomised controlled RACE study

- RCT1885** Xavier Jais (Le Kremlin-Bicêtre, France), Xavier Jais, Philippe Brenot, Hélène Bouvaist, Matthieu Canuet, Céline Chabanne, Ari Chaouat, Vincent Cottin, Pascal De Groote, Claire Dromer, Nicolas Favrolt, Carlos Garcia Alonso, Benoit Gérardin, Delphine Horeau-Langlard, Mitja Jevnikar, Pascal Magro, David Montani, Florence Parent, Christophe Pison, Grégoire Prévot, Sébastien Renard, Laurent Savale, Anne Claire Simon, Olivier Sitbon, Romain Tresorier, Cécile Tromeur, Hélène Agostini, Céline Piedvache, Elie Fadel, Marc Humbert, Gérald Simonneau

Wrap-up by discussant and discussion

Martin Kolb (Hamilton (ON), Canada)

Changes in FVC in the SENSICIS trial of nintedanib in patients with systemic sclerosis-associated ILD (SSc-ILD)

- RCT1882** Kristin B. Highland (Cleveland, United States of America), Kristin B. Highland, Arata Azuma, Aryeh Fischer, Masataka Kuwana, Toby M. Maher, Maureen D. Mayes, Ganesh Raghu, Mannaig Girard, Margarida Alves, Martina Gahlemann, Oliver Distler

Lung function preservation in a phase 3 trial of tocilizumab (TCZ) in systemic sclerosis (SSc)

- RCT1883** Christopher P. Denton (London, United Kingdom), Christopher P. Denton, Celia J. F. Lin, Jonathan Goldin, Grace Kim, Masataka Kuwana, Yannick Allanore, Anastas Batalov, Irena Butrimiene, Patricia Carreira, Marco Matucci-Cerinic, Oliver Distler, Dušanka Martinović Kaliterna, Carmen-Marina Mihai, Mette Mogensen, Marzena Olesińska, Janet E. Pope, Gabriela Riemekasten, Tatiana Sofia Rodriguez-Reyne, Maria José Santos, Jacob Van Laar, Helen Spotswood, Jeffrey Siegel, Angelika Jahreis, Daniel E. Furst, Dinesh Khanna

Late Breaking Abstract - Safety and efficacy of B-cell depletion with rituximab for the treatment of systemic sclerosis-associated pulmonary arterial hypertension.

RCT1884

Roham Zamanian (Portola Valley, United States of America), Roham Zamanian, David Badesch, Lorinda Chung, Robyn Domsic, Thomas Medsger, Ashley Pinckney, Lynette Keyes-Elstein, Carla D'Aveta, Meagan Spychala, James White, Paul Hassoun, Fernando Torres, Jerry Molitor, Dinesh Khanna, Holden Maeker, Beverly Welch, Ellen Goldmuntz, Mark Nicolls, - On Behalf Of Asco1 Investigators

Late Breaking Abstract - Transbronchial lung cryobiopsy for interstitial lung disease diagnosis: results of the COLDICE Study

RCT1886

Lauren Troy (Camperdown (NSW), Australia), Lauren Troy, Christopher Grainge, Tamera Corte, Jonathan Williamson, Michael Vallely, Wendy Cooper, Annabelle Mahar, Jeffrey Myers, Simon Lai, Ellie Mulyadi, Paul Torzillo, Martin Phillips, Helen Jo, Susanne Webster, Qi Lin, Jessica Rhodes, Matthew Salamonsen, Jeremy Wrobel, Benjamin Harris, Garrick Don, Peter Wu, Benjamin Ng, Christopher Oldmeadow, Ganesh Raghu, Edmund Lau, . Coldice Investigators

Wrap-up by discussant and discussion

Michael Kreuter (Heidelberg, Germany)

N104

Session 254

10:45 - 12:45

Oral presentation: Drug-resistant tuberculosis

Method(s) : General respiratory patient care Public health Epidemiology Respiratory intensive care Cell and molecular biology

Chairs : Raquel Duarte (Porto, Portugal), Simon Tiberi (London, United Kingdom)

OA2132 High-dose rifampicin in tuberculosis: experiences from a Dutch tuberculosis centre

Charlotte Seijger (Heerenveen, Netherlands), Wouter Hoefsloot, Inge Bergsma, Jakko Van Ingen, Saskia Kuijpers, Lindsey Te Brake, Reinout Van Crevel, Rob Aarnoutse, Martin Boeree, Cécile Magis-Escurra

OA2133 Comorbidity clusters associated with length of hospital stay in patients with tuberculosis

Florent Baty (St. Gallen, Switzerland), Otto Schoch, Sebastian Tonko, Martin Brutsche

OA2134 Results of traditional and new regimens of MDR/XDR TB treatment: cohort analysis

Sergey Evgenievich Borisov (Moscow, Russian Federation), Alexey Filippov, Irina Danilova, Sergey Kosenkov

OA2135 Drug resistance-conferring mutations in Mycobacterium-tuberculosis isolated from retreated patients in Hanoi, Vietnam

Nguyen Thi Le Hang (Hà Nội, Vietnam), Minako Hijikata, Shinji Maeda, Pham Huu Thuong, Hoang Van Huan, Nguyen Phuong Hoang, Ikumi Matsushita, Naoto Keicho

OA2136 Bedaquiline containing regimens for the treatment of multi- and extensively drug-resistant tuberculosis at the programmatic level in Belarus. Prospective cohort study.

Alena Skrahina (Minsk region, Belarus), Henadz Hurevich, Sviatlana Setkina, Viatcheslav Grankov, Varvara Solodovnikova, Dzmitri Viatushka, Victoria Kralko, Dzmitry Klimuk, Masoud Dara

OA2137 Characteristics of drug susceptibility testing for bedaquiline and clofazimine of 178 drug-resistant Mycobacterium tuberculosis isolates in Japan

Akiko Takaki (Tokyo, Japan), Akio Aono, Kinuyo Chikamatsu, Yuriko Igarashi, Yoshiko Shimomura, Yoshiro Murase, Hiroko Yoshida, Yoshitaka Tamura, Takayuki Nagai, Yuta Morishige, Hiroyuki Yamada, Satoshi Mitarai

OA2139 Tobacco smoking as a risk factor of active tuberculosis in HIV-infected patients

Svetlana Degtyareva (Moscow, Russian Federation), Ekaterina Kulabukhova, Vera N. Zimina, Alexey V. Kravtchenko, Elena N. Beloborodova, Alla B. Peregudova

6E

Session 255

10:45 - 12:45

Oral presentation: Towards a better understanding of rare diffuse parenchymal lung diseases

Disease(s) : [Interstitial lung diseases](#)

Method(s) : Epidemiology General respiratory patient care Pulmonary function testing Cell and molecular biology Transplantation

Chairs : Francesco Bonella (Düsseldorf, Germany), Cormac McCarthy (Dublin 4, Ireland)

Tolerance and efficacy of antifibrotic treatments in IPF patients carrying telomere related gene mutations

OA2140

Aurélien Justet (Paris, France), Dymph Klay, Vincent Cottin, Maria Molina Molina, Hilario Nunes, Martine Reynaud-Gaubert, Jean-Marc Naccache, Effrosyni Manali, Antoine Froidure, Stephane Jouneau, Liwine Wemeau, Claire Andrejak, Anne Gondouin, Sandrine Hirschi, Benjamin Bondue, Philippe Bonniaud, Cecile Tromeur, Gregoire Prevost, Sylvain Marchand-Adam, Manuela Funke-Chambour, Anne-Sophie Gamez, Caroline Kanengiesser, Coline Van Moorsel, Bruno Crestani, Raphael Borie

OA2141 Clinical impact of BRAFV600E mutation in adult pulmonary Langerhans cell histiocytosis

Abdellatif Tazi (Paris, France), Fanélie Jouenne, Emmanuelle Bugnet, Gwenaél Lorillon, Véronique Meignin, Aurélie Sadoux, Sylvie Chevret, Samia Mourah

- OA2142** **Effectiveness of various therapy regimens for patients with pulmonary Langerhans cell histiocytosis during long-term follow-up**
Arina Zinchenko (St. Petersburg, Russian Federation), Lubov Novikova, Mikhail Ilkovich
- OA2143** **Natural history of incidental sporadic or tuberous sclerosis complex associated lymphangiomyomatosis**
Silvia Terraneo (Arosio (CO), Italy), Fabiano Di Marco, Olívia Olívia Meira Dias, Gianluca Imeri, Stefano Centanni, Lisa Giuliani, Elena Lesma, Giuseppina Palumbo, Mark Wanderley, Carlos Roberto Ribeiro Carvalho, Bruno Guedes Baldi
- OA2144** **Early-onset therapy with sirolimus helps to improve prognosis of patients with lymphangiomyomatosis (LAM)**
Merle Sophie Klingenberg (Hannover, Germany), Julia Freise, Jan Fuge, Tobias Welte
- OA2145** **Pulmonary Alveolar Microlithiasis ~ Epidemiology in Japan and Developing treatment strategies in a novel mouse model ~**
Atsushi Saito (Sapporo, Japan), Rina Takamiya, Naoki Fujitani, Shigeru Ariki, Koji Kuronuma, Hirofumi Chiba, Motoko Takahashi, Hiroki Takahashi
- OA2146** **Disease patterns in connective tissue disease-associated interstitial lung disease: a population based study**
Charlotte Hyldgaard (Åbyhøj, Denmark), Elisabeth Bendstrup, Alma Becic Pedersen, Lars Pedersen, Torkell Ellingsen

N101+102

Session 256

10:45 - 12:45

Oral presentation: Eosinophils and FeNO in airway diseases

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Pulmonary function testing Epidemiology Cell and molecular biology Endoscopy and interventional pulmonology

Chairs : Konstantinos Kostikas (Ioannina, Greece), Bernardino Alcazar Navarrete (Cájar, Spain)

- OA2147** **Late Breaking Abstract - Blood Eosinophils as Predictor of Outcomes in hospitalized COPD Exacerbations: Results from a Prospective Study**
Konstantinos Kostikas (Ioannina, Greece), Evgenia Papathanasiou, Andriana Papaioannou, Konstantinos Bartziokas, Ilias Papanikolaou, Emmanouil Antonakis, Ioanna Makou, Georgios Hillas, Theodoros Karampitsakos, Ourania Papaioannou, Aikaterini Dimakou, Galatea Verykokou, Vicky Apolloniatou, Spyros Papis, Petros Bakakos, Stelios Loukides
- OA2148** **Elevated baseline blood eosinophil count is related to greater lung function decline over 20-years of follow-up.**
Ida Mogensen (Enskededalen, Sweden), Christer Janson, Andrei Malinovski
- OA2149** **Eosinophil counts as a predictor of future COPD exacerbations in the DYNAGITO trial**
Peter M. A. Calverley (Liverpool (Merseyside), United Kingdom), Christine Jenkins, Jadwiga Wedzicha, Alberto De La Hoz, Florian Voß, Klaus Rabe, Antonio Anzueto
- OA2150** **The usefulness of blood eosinophil count and FeNO to predict sputum eosinophilia in the diagnosis of severe eosinophilic asthma**
Johannes Martin Schmid (Risskov, Denmark), Bjarke Hviid-Vyff, Tina Skjold, Hans Juergen Hoffmann
- OA2151** **RELATIONSHIP BETWEEN BLOOD EOSINOPHILS AND EMPHYSEMA IN A COPD POPULATION**
Núria Toledo Pons (Palma De Mallorca, Spain), Tamara Alonso Perez, Maria Teresa Passo Sanz, Julio Ancochea Bermudez, Joan B. Soriano Ortiz, Borja G. Cosío Piqueras
- OA2152** **Consistent effects of atopy and smoking on FeNO in American and European large population-based samples**
Tiago Jacinto (Senhora da Hora, Portugal), João Fonseca, Björn Bake, Kjell Torén, Anna-Carin Olin, Kjell Alving
- OA2153** **FENO Guided Therapy in Asthma: A Non-inferiority Study**
Tarang Kulkarni (Mumbai (Maharashtra), India), Angshuman Mukherjee, Beauty Biswas, Alope Gopal Ghosal, Raja Dhar
- OA2154** **Effect of COPD exacerbations on early lung function decline under maintenance therapy: blood eosinophil count as biomarker**
Marjan Kerckhof (Norfolk, United Kingdom), Jaco Voorham, Claudia Cabrera, Patrick Darken, Paul Dorinsky, Janwillem Kocks, Mohsen Sadatsafavi, Don Sin, David Price

6A

Session 257

10:45 - 12:45

Poster discussion: Clinical and translational studies of bronchiectasis and non-TB mycobacterial infection

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Epidemiology Public health Cell and molecular biology Pulmonary function testing

Chairs : Charles Haworth (Cambridge, United Kingdom), Pieter Goeminne (Bornem, Belgium)

- PA2155 Clinical and immunological characteristics of patients with pulmonary Mycobacterium abscessus disease without cystic fibrosis**
Milou Schuurbiens (Nijmegen, Netherlands), Mariolina Bruno, Sanne Zweijpfenning, Mihai Netea, Jakko Van Ingen, Frank Van De Veerdonk, Wouter Hoefsloot
-
- PA2156 Switch effects from daily to intermittent treatment with a daily regimen dosage for Mycobacterium avium complex pulmonary disease**
Masataka Matsumoto (Miki, Japan), Kaori Masuda, Kazumi Kaneshiro, Kiyonobu Takatsuki
-
- PA2157 Non-tuberculous mycobacteria management in adult patients with Cystic Fibrosis: a retrospective study**
Riccardo Guarise (Verona, Italy), Jessica Mencarini, Silvia Bresci, Beatrice Borch, Annalisa Cavallo, Filippo Bartalesi, Alessandro Bartoloni
-
- PA2158 Clinical relevance of pulmonary non-tuberculous mycobacterial isolates in three reference centres in Belgium: a multicentre retrospective analysis.**
Yannick Vande Weygaerde (Gent, Belgium), Nina Cardinaels, Peter Bomans, Taeyang Chin, Eva Van Braeckel, Natalie Lorent
-
- PA2159 Pulmonary non-tuberculous mycobacterial infection: 889 cases**
Aylin Babalık (Istanbul, Turkey), Tülin Kuyucu, Fatma Kutluhan, Hamide Gül Işık, Emine Nur Koç, Gül Erdal Dönmez, Emine Nilgün Ordu, Ahmet Balıkçı, Orhan Kaya Köksalan
-
- PA2160 Outcome of shorter treatment after culture conversion in non-cavitary MAC lung disease**
Yea Eun Park (Seoul, Republic of Korea), Ock-Hwa Kim, Byoung Soo Kwon, Tae Sun Shim, Yong Pil Chong, Kyung-Wook Jo
-
- PA2161 Lung function evolution in patients with microbiological isolation of Mycobacterium abscessus**
Pablo Mariscal Aguilar (Madrid, Spain), Daniel Laorden Escudero, Andrés Giménez Velandó, Sarai Quirós Fernández, Carlos Javier Carpio Segura, Rosa Girón Moreno, Carlos Toro Rueda, Jaime Esteban Moreno, Concepción Prados Sánchez, Rodolfo Álvarez-Sala Walther
-
- PA2162 Mucoïd Pseudomonas aeruginosa alter sputum viscoelastic properties in patients with non-cystic fibrosis bronchiectasis**
Victoria Alcaraz Serrano (Barcelona, Spain), Laia Fernandez Barat, Giulia Scioscia, Joan Llorens Llacuna, Elena Gimeno Santos, Beatriz Herrero Cortina, Nil Vazquez, Albert Gabarrus, Rosanel Amaro Rodriguez, Rosario Menendez, Antoni Torres
-
- PA2163 Risk factors for new P. aeruginosa isolation in bronchiectasis- data from the European Bronchiectasis Registry (EMBARC)**
Pierre-Régis Burgel (Sorbonne Paris Cité, France), Eva Polverino, Charles Harworth, Marlène Murriss-Espin, Katerina Dimakou, Adam Hill, Michael Loebinger, Rosario Menendez, Antoni Torres, Tobias Welte, Francesco Blasi, Felix Ringshausen, Anthony De Soyza, Montserrat Vendrell, Wim Boersma, Robert Wilson, James D Chalmers, Joseph Stuart Elborn, Stefano Aliberti, Pieter Goeminne
-
- PA2164 S. pneumoniae prevalence and serotypes in sputum of stable bronchiectasis**
Stefano Aliberti (Milan, Italy), Leonardo Terranova, Martina Oriano, Giovanni Sotgiu, Elisa Franceschi, Andrea Gramegna, Luca Ruggiero, Laura Saderi, Carlotta Di Francesco, Alice Gelmini, Edoardo Simonetta, Sebastian Ferri, Francesco Amati, Alessandra Colombo, Paola Marchisio, Francesco Blasi
-
- PA2165 The efficacy and safety of inhaled antibiotics for the treatment of bronchiectasis in adults: a systematic review and meta-analysis**
Irena F Laska (Dundee, United Kingdom), Megan L Crichton, Amelia Shoemark, James D Chalmers
-
- PA2166 Real time polymerase chain reaction versus conventional culture method to detect respiratory pathogens in subjects with non-cystic fibrosis bronchiectasis.**
BOITUMELO PITSO (PRETORIA, South Africa), BOITUMELO PITSO, Robin Green, Refiloe Masekela, Goga Ameena
-
- PA2167 Characterisation of sputum pregnancy zone protein in bronchiectasis**
Simon Finch (Perth, United Kingdom), Amelia Shoemark, Alison J. Dicker, Holly R. Keir, Thomas Fardon, Jeffrey Tj Huang, James D. Chalmers
-
- PA2168 Platelet activation correlates with disease severity in bronchiectasis**
Raúl Méndez (Valencia, Spain), Antonio Moscardó, Ana Latorre, Alba Piró, Paula Gonzalez-Jimenez, Laura Feced, Leyre Bouzas, Rosanel Amaro, Victoria Alcaraz, Antoni Torres, Rosario Menéndez
-
- PA2169 Profitability of sputum culture of samples classified as "not valid" by the criteria of Murray and Washington in patients with non-cystic fibrosis bronchiectasis.**
Santiago De Jorge Dominguez Pazos (A CORUÑA, Spain), Marina Blanco Aparicio, Begoña Fernández Pérez, Mónica González Bardanca, María Fernández Marrube, Elena Elguezabal Bilbao, Francisco Antonio Méndez Salazar, Germán Bou Arévalo, Carmen Montero Martínez

- PA2170 Inflammatory molecular endotypes in bronchiectasis**
Amelia Shoemark (Dundee (Angus), United Kingdom), Alexandria Smith, Ashley Giam, Alison Dicker, Hollian Richardson, Jeffrey T J Huang, Holly R Keir, Simon Finch, Stefano Aliberti, Oriol Sibila, James D Chalmers
- PA2171 Respiratory viruses in stable state bronchiectasis**
Andrea Gramegna (Milano (MI), Italy), Stefano Aliberti, Stefano Zucchetti, Edoardo Simonetta, Daniele Castelli, Annalisa Cavallero, Valentina Conio, Amelia Grosso, Paola Faverio, Dejan Radovanovic, Silvia Terraneo, Fabiano Di Marco, Alberto Pesci, Cristina Airoidi, Vincenzo Valenti, Angelo Corsico, Pierachille Santus, Stefano Centanni, Francesco Blasi
- PA2172 Heparin Binding Protein in sputum compromises epithelial defence and relates to bronchiectasis severity**
Alexandria Smith (Dundee (Angus), United Kingdom), Jonathan Lang, Holly R Keir, Simon Finch, Stefano Aliberti, Oriol Sibila, Amelia Shoemark, James D Chalmers

6B

Session 258

10:45 - 12:45

Poster discussion: ECMO, ECCO2R and other rescue therapies in acute respiratory failure

Disease(s) : Respiratory critical care Airway diseases

Method(s) : Respiratory intensive care Cell and molecular biology Epidemiology Imaging Physiology

Chairs : Lieuwe Bos (Amsterdam, Netherlands), Michael Dreher (Aachen, Germany)

- PA2173 Geo-economic variations in mechanical ventilation and outcome of ICU patients without ARDS**
Anna Geke Algera (Amsterdam, Netherlands), Luigi Pisani, Fabienne Simonis, Frederique Paulus, Marcus Schultz, Paolo Pelosi, Marcelo Gama De Abreu, Ary Serpa Neto
- PA2174 Dual inhibition of Angiotensin-2 and VEGF-A with a monoclonal antibody improves pulmonary capillary leakage in murine experimental sepsis**
Sascha David (Hannover, Germany), Janine Hauschild, Idowu Temitayo, Claudia Schrimpf, Tobias Welte, Hermann Haller
- PA2175 Tetracycline alleviates acute lung injury by inhibition of NLRP3 inflammasome**
Christian Bode (Bonn, Germany), Konrad Peukert, Jens-Christian Schewe, Christian Putensen, Eicke Latz, Folkert Steinhagen
- PA2176 Recirculation loop only slightly decrease decarboxylation performance in an in-vitro ECCO2R test setup and can be compensated by local acidification**
Anna Jungmann (Quierschied, Germany), Leonie Schwaerzel, Nicole Schmoll, Joachim Schenk, Thai Dinh, Robert Bals, Philipp Lepper, Albert Omlor
- PA2177 Circulating total leptin as a diagnostic and prognostic biomarker in sepsis**
Irene Karampela (Athens, Greece), Evangelia Kandri, Evangelia Chrysanthopoulou, George Skyllas, Gerasimos-Socrates Christodoulatos, Georgios Antonakos, Evangelos Vogiatzakis, Apostolos Armaganidis, Maria Dalamaga
- PA2178 No-Sedation in Mechanically Ventilated Chronic Obstructive Pulmonary Disease Patients; A Randomized Controlled Trial**
Mohamed Fawzy Abdelghany (Assiut, Egypt), Mohamed Gamal, Emad Zareef, Atef Elkarn
- PA2179 The diagnostic value of soluble death receptor 5 in ARDS**
Hao Wang (Chengdu (Sichuan), China), Tao Wang, Nanya Hao, Fuqiang Wen
- PA2180 Angiotensin like 4 as a clinical biomarker for acute respiratory distress syndrome**
Tao Wang (Chengdu (Sichuan), China), Yuru Lan, Hao Wang, Ni Zeng, Fuqiang Wen
- PA2181 Complications of percutaneous and surgical tracheostomy in patients on venovenous ECMO: a 10-year analysis**
Christoph Fisser (Regensburg, Germany), Patricia Lütke, Matthias Lubnow, Maximilian Malfertheiner, Alois Philipp, Maik Foltan, Dirk Lunz, Thomas Müller
- PA2182 Spontaneous breathing intensity is related with the severity of ventilator-induced diaphragmatic dysfunction**
Zujin Luo (Beijing, China), Silu Han, Yan Wang, Sijie Liu, Wei Sun, Baosen Pang, Jiawei Jin, Zhixin Cao, Yingmin Ma
- PA2183 Effect of tracheotomy on sedation, ventilation and ECMO adjustments in patients with acute respiratory failure on venovenous ECMO: a 10-year analysis**
Christoph Fisser (Regensburg, Germany), Patricia Lütke, Matthias Lubnow, Maximilian Malfertheiner, Alois Philipp, Maik Foltan, Dirk Lunz, Thomas Müller
- PA2184 Survival after intensive care for COPD exacerbation in patients with and without long-term oxygen therapy: a nationwide cohort study**
Magnus Ekström (Lyckeby, Sweden), Helena Nyström, Johan Berkus, Sten Walther, Malin Inghammar

- PA2185** **Early rehabilitation is associated with reduced in-hospital mortality from sepsis in patients with sarcopenia**
Jin-Hee Noh (Pusan, Republic of Korea), Yun Seong Kim, Taehwa Kim, Jae Heun Chung, Jin Ook Jang, Hye Ju Yeo
-
- PA2186** **steroid is associated with death after successful weaning of ECMO in acute respiratory failure: analysis of a multicenter registry**
taehwa kim (BUSAN, Republic of Korea), Jin-Hee Noh, Jae Heun Chung, Jin Ook Jang, Seung Eun Lee, Yun Seong Kim
-
- PA2187** **O₂ as sweep gas shows slightly more effective decarboxylation compared to air in an in-vitro ECCO₂R test setup**
Leonie Schwaerzel (Homburg, Germany), Anna Jungmann, Nicole Schmoll, Joachim Schenk, Thai Dinh, Robert Bals, Philipp Lepper, Albert Omlor
-
- PA2188** **Quantitative CT based selective Lung-Volume Reduction by prolonged Weaning in COPD GOLD D Patients with massive Emphysema**
Mehyar Lavae-Mokhtari (Ibbenbueren, Germany), Omar Alshintiry, Joachim Fichter, Gabriela May, Volker Vieth, Nicolas Dickgreber
-
- PA2189** **Implications of multidisciplinary team setups for venovenous extracorporeal membrane oxygenation in acute respiratory failure**
Yun Seong Kim (Yangsan city (Kyeongsang Nam-do), Republic of Korea), Hye Ju Yeo, Woo Hyun Cho, Joon Hoon Jeong, Taehwa Kim, Jae Heon Chung, Dohyung Kim, Seong Jang Kim
-
- PA2190** **Extracorporeal membrane oxygenation as rescue therapy for severe ARDS due to autoimmune diffuse alveolar haemorrhage**
Benjamin Seeliger (Hannover, Germany), Klaus Stahl, Heiko Schenk, Julius J Schmidt, Olaf Wiesner, Tobias Welte, Marius M Hoeper, Sascha David

6C

Session 259

10:45 - 12:45

Poster discussion: Assessment and training of respiratory muscles

Disease(s) : Respiratory critical care Airway diseases

Method(s) : Respiratory intensive care Pulmonary rehabilitation Pulmonary function testing Physiology Transplantation General respiratory patient care

Chairs : Christian Osadnik (Melbourne, Australia), Ana Luisa Araújo Oliveira (Vila Nova de Famalicão, Portugal)

- PA2191** **Diaphragm function during exercise in unilateral diaphragmatic dysfunction**
Mayra Caleffi Pereira (Campinas, Brazil), Sauwaluk Dacha, Antenor Rodrigues, Dries Testelmans, Rik Gosselink, Daniel Langer
-
- PA2192** **Respiratory Muscle Strength Does Not Present Correlations with Lung Mechanics in GOLD II COPD Patients**
Claudia Mara Miranda Russi (São José dos Campos - SP, Brazil), Maysa A R Brandao-Rangel, Luciano A Chaves, Lucas P Sales, Tamara Costa-Guimarães, Ana C Martins, Claudio R Frison, Ricardo S Navarro, Rodolfo P Vieira
-
- PA2193** **Respiratory muscle strength: a systematic review with equation testing in Portuguese healthy adults**
Sara Souto-Miranda (Aveiro, Portugal), Cristina Jácome, Ana Alves, Ana Machado, Cátia Paixão, Ana Oliveira, Liliana Santos, Alda Marques
-
- PA2194** **Sniff test: does what we measure at the nose reflect what happens in the chest wall?**
Antonella LoMauro (Milano (MI), Italy), Cristina Martorana, Andrea Aliverti, Mario Nosotti, Alessandro Palleschi, Emilia Privitera
-
- PA2196** **The prognostic value of inspiratory muscle weakness in hemodialysis patients**
Vanessa Lima (Diamantina, Brazil), Carlos Desmondes, Henrique Costa, Márcia Lima, Ana Lacerda, Vanessa Mendonça, Frederico Alves, Vanessa Rodrigues, Emilio Barroso, Gabriela Nominato, Paulo Lopes, Pedro Figueiredo
-
- PA2197** **Does inspiratory muscle training (IMT) reduce depression in patients with COPD?**
Yves De Souza (Petropolis (RJ), Brazil), Stefany Medeiros, Kenia Maynard Da Silva, Joseane Macedo, Diego Condesso, Bianca Figueira, Amanda Cruz, Juliana Soares, Rik Gosselink, Cláudia Costa
-
- PA2198** **Effects of respiratory muscle training with different modalities in COPD patients: A randomized controlled trial**
Guilherme Fregonezi (Rio Grande do Norte, Brazil), Catharinne Farias, Ilsa Priscila Batista, Lhara Castro, Natália Lopes, Lucien Gualdi, Dayane Montemezzodayane, Raquel R Britto, Vanessa Resqueti
-
- PA2199** **Effects of inspiratory muscle training (IMT) on dyspnea, respiratory muscle function and respiratory muscle activation in patients with COPD during endurance cycling**
Sauwaluk Dacha (Leuven, Belgium), Antenor Rodrigues, Zafeiris Louvaris, Lotte Janssens, Wim Janssens, Rik Gosselink, Daniel Langer

- PA2200** **Respiratory muscle training improves the work of breathing and decreases inspiratory muscle fatigue in patients after lung transplantation**
Tamara Michalcikova (Holesov, Czech Republic), Katerina Neumannova, Veronika Kuzilkova, Monika Zurková, Lia Hubackova, Petr Jakubec, Vitezslav Kolek
- PA2201** **The effects of inspiratory muscle training (IMT) with Tapered Flow Resistive Loading (TFRL) on breathing characteristics and inspiratory muscle oxygenation during weaning: a preliminary data analysis**
Zafeiris Louvaris (Leuven, Belgium), Marine Van Hollebeke, Beatrix Clerckx, Johannes Muller, Rik Gosselink, Greet Hermans, Daniel Langer
- PA2202** **Evolution of inspiratory muscle training in patients with weaning difficulties.**
Marine Van Hollebeke (Leuven, Belgium), Zafeiris Louvaris, Beatrix Clerckx, Johannes Muller, Rik Gosselink, Greet Hermans, Daniel Langer
- PA2203** **Safety and feasibility of inspiratory muscle training for hospitalized patients undergoing hematopoietic stem cell transplantation**
Leonardo Barbosa de Almeida (Juiz de Fora, Brazil), Abrahão Elias Hallack Neto, Mateus Camaroti Laterza, Patricia Fernandes Trevizan, Daniel Godoy Martinez
- PA2204** **Effects of Inspiratory muscle training on respiratory muscle strength, physical fitness and dyspnea in obese women.**
Eli Maria Pazzianotto-Forti (Capivari (SP), Brazil), Tamires Mori, Rodrigo Zerbeto, Silvia Baruki, M Imaculada Montebello, Elisane Pacheco, Nataly Mendes, Takako Tanaka, Darlene Reid
- PA2205** **Respiratory muscle activation, breathing pattern and respiratory muscle oxygen availability during Tapered Flow Resistive Loading and Normocapnic Hyperpnea in COPD.**
Zafeiris Louvaris (Leuven, Belgium), Antenor Rodrigues, Sauwaluk Dacha, Wim Janssens, Rik Gosselink, Daniel Langer
- PA2206** **Breathing pattern and activity of respiratory muscles in different inspiratory resistance devices**
Guilherme Fregonezi (Rio Grande do Norte, Brazil), Jéssica Danielle Medeiros da Fonsêca, Luciana Fontes Silva Da Cunha Lima, Valéria Soraya De Farias Sales, Andrea Aliverti
- PA2207** **Effects of incremental inspiratory load on inspiratory muscles activity in stroke subjects in comparison to healthy individuals**
Lucien Peroni Gualdi (Natal (RN), Brazil), Eliete Colaço, Alana E.F. Da Gama, Carine Wiesiolek, Daniella C. Brandão, Guilherme A.F. Fregonezi, Armêlê Dornelas De Andrade
- PA2208** **Effect of expiratory muscle load on pharyngeal muscles contraction in patients with dysphagia**
Yuichi Tawara (Hamamatsu, Japan), Ichiro Fujishima, Satoshi Hanai, Yoshiro Okada, Kazuyuki Morishita, Shinichi Arizono, Ryo Kozu

6D

Session 260

10:45 - 12:45

Poster discussion: Thoracic surgery**Disease(s) :** Thoracic oncology Airway diseases**Method(s) :** Surgery General respiratory patient care Pulmonary function testing Physiology Respiratory intensive care Endoscopy and interventional pulmonology Imaging**Chairs :** Marcello Migliore (Catania (CT), Italy), Luca Bertolaccini (Milan, Italy)

- PA2209** **Endometriosis-associated pneumothorax: “uncommon” disease**
Aleksandr Osbornev (St.Petersburg, Russian Federation), Vadim Pischik, Olga Maslak
- PA2210** **Echocardiography in patients evaluated for bronchoscopic lung volume reduction: is it useful and is there a CT-derived alternative?**
Marieke van der Molen (Groningen, Netherlands), Jorine Hartman, Joost Van Melle, Huib Kerstjens, Karin Klooster, Tineke Willems, Dirk-Jan Slebos
- PA2211** **Risk factors and outcomes of prolonged air leak**
Olga Maslak (Saint Petersburg, Russian Federation), Vadim Pischik, Aleksandr Osbornev
- PA2212** **Different types of bronchial reconstruction in surgical treatment of non-small cell lung cancer. Analysis of our series.**
Antonio Francisco Honguero Martinez (Albacete, Spain), Marta Genovés-Crespo, María Dolores, Claudia Rossana Rodríguez-Ortega, Ana María Del Rosario Núñez-Ares, Concepción Patricia López-Miguel, Carlos Eduardo Almonte-García, María Peyró-Sánchez, Raúl Godoy-Mayoral, Miguel-Angel Moscardó-Orenes, Francisco Javier Callejas-González, Sergio García-Castillo, M. Lázaro-Sahuquillo, Jesús Jiménez-López, Pablo León-Atance
- PA2213** **Recovery process in lung tissue patients with XDR tuberculosis after preoperative intravenous laser blood irradiation**
Vilayat Aliev (Moscow, Russian Federation), Svetlana Sadovnikova, Elena Krasnikova, Larisa Lepekha, Mammad Bagirov

- PA2214 Postoperative risks in septuagenarians undergoing VATS lobectomy**
Olga Maslak (Saint Petersburg, Russian Federation), Evgenii Zinchenko, Aleksandr Kovalenko, Vadim Pischik, Aleksandr Osbornev
- PA2215 Comparison of postoperative immunological changes between intubated and non-intubated patients during lung cancer resection surgery**
Sua Oh (seoul, Republic of Korea), Soo-A Oh, Joonpyo Jeon, Wonjung Hwang
- PA2216 The prevalence of smoking and e-cigarette use before lung cancer surgery**
Sebastian Lugg (Birmingham (West Midlands), United Kingdom), Amy Kerr, Joanne Webb, Aaron Scott, Babu Naidu, David Thickett
- PA2217 Single-stage bilateral VATS lungs resection from the unilateral access in patients with pulmonary tuberculosis**
Denis Krasnov (Novosibirsk, Russian Federation), Vyacheslav Karnauhov, Irina Felker
- PA2218 Complex minimally invasive approach for complicated parapneumonic pulmonary abscess with bronchopleural fistula in childhood.**
Yanko Pahnev (Sofia, Bulgaria), Hristo Shivachev, Zdravka Antonova, Nadezhda Tolekova, Tzvetko Georgiev, Vanya Strahinova, Nataliya Gabrovska, Svetlana Velizarova, Vesela Karamisheva
- PA2219 Comparison of the short-term results of video-assisted thoracoscopic surgery and open pneumonectomies for non-small cell lung cancer**
Evgenii Zinchenko (Saint-Petersburg, Russian Federation), Vadim Pischik, Ekaterina Kzylova, Aleksander Kovalenko, Aleksander Osbornev
- PA2220 Postoperative morbidity and mortality after pneumonectomy (PE) in pulmonary tuberculosis (TB) patients: a 5-year experience**
Larisa Kiryukhina (St. Petersburg, Russian Federation), Ilya Serezvin, Gennady Kudriashov, Nina Denisova, Nataliia Nefedova, Sofia Kovaleva, Elena Savchenko, Armen Avetisyan, Eugene Sokolovich, Piotr Yablonskii
- PA2221 Association between preoperative pulmonary functions, exercise capacity and surgical outcomes in lung cancer patient**
Fatma Çiftci (Ankara, Turkey), Mustafa Bülent Yenigün, Servet Seçkin Tunç Kasap, Öznur Yıldız, Ayten Kayı Cangır
- PA2222 Management of liver hydatid cyst with intrathoracic rupture**
Sarra Zairi (Tunis, Tunisia), Zied Bokal, Monia Attia, Mehdi Abdennadher, Hazem Zribi, Imen Bouassida, Amira Dridi, Taher Mestiri, Khaoula Ben Miled, Adel Marghli
- PA2223 Postoperative neutrophil-to-lymphocyte ratio in non-intubated lung resection surgery**
Hoon Choi (Seoul, Republic of Korea), Hye Young Moon, Joon Pyo Jeon, Wonjung Hwang
- PA2224 Surgical Outcome of Video-Assisted Thoracoscopic Surgery for Primary Lung Cancer >5 cm in Diameter**
Güntug Batihan (Izmir, Turkey), Kenan Can Ceylan, Ozan Usluer, Seyda Ors Kaya
- PA2225 Prediction of FEV1 and DLco in lung cancer patients undergoing lobectomy: Comparison between quantitative computed tomography, scintigraphy, and anatomy.**
Masanori Yokoba (Sagamihara (Kanagawa prefecture), Japan), Tsuyoshi Ichikawa, Shinya Harada, Tomoya Fukui, Satoshi Igawa, Hisashi Mitsufuji, Masaru Kubota, Jiichiro Sasaki, Katsuhiko Naoki, Yukitoshi Sato, Masato Katagiri
- PA2226 Bronchogenic cysts discovered in adulthood: characteristics and management**
Sarra Zairi (Tunis, Tunisia), Emna Ben Jemia, Monia Attia, Mehdi Abdennadher, Hazem Zribi, Imen Bouassida, Amira Dridi, Aida Ayadi, Taher Mestiri, Khaoula Ben Miled, Faouzi El Mezni, Adel Marghli

7B

Session 261

10:45 - 12:45

Poster discussion: M-health/e-health I

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#) [Respiratory critical care](#) [Sleep and breathing disorders](#)

Method(s) : General respiratory patient care Epidemiology Public health Pulmonary rehabilitation Pulmonary function testing

Chairs : Selman celik (Istanbul, Turkey), Vitaly Mishlanov (Perm, Russian Federation)

- PA2227 Explaining predictions of an automated pulmonary function test interpretation algorithm**
Nilakash Das (Leuven, Belgium), Marko Topalovic, Jo Raskin, Jean-Marie Aerts, Thierry Troosters, Wim Janssens
- PA2228 Tidal volumes during tasks of daily living measured with a smart shirt.**
Denise Mannée (Deventer, Netherlands), Frans De Jongh, Hanneke Van Helvoort
- PA2229 Efficacy of using special software “Optimization of medication choice for treatment of patient with comorbidity” (SS) for management of patients with community-acquired pneumonia (CAP) and cardiovascular disease**
Anna V Demchuk (Vinnytsia, Ukraine), Yuriy M Mostovoy

- PA2230 eHealth self-management support after high-altitude climate treatment (HACT) of severe asthma: a randomised controlled trial**
Lucia H. Rijssenbeek-Nouwens (Davos Frauenkirch, Switzerland), Thijs Beerthuisen, Jiska B. Snoeck-Stroband, Jacob K. Sont
- PA2231 Respiratory system auscultation using machine learning - a big step towards objectivisation?**
Jedrzey Kocinski (Poznań, Poland), Tomasz Grzywalski, Marcin Szajek, Honorata Hafke-Dys, Anna Bręborowicz, Anna Pastusiak, Riccardo Belluzzo
- PA2232 Tele-rehabilitation program in Idiopathic Pulmonary Fibrosis**
Jose Cerdán de las Heras (Aarhus C, Denmark), Ole Hilberg, Anders Løkke, Elisabeth Bendstrup
- PA2233 Measurement of respiratory function with a mobile application: comparison with a conventional spirometer and evaluation of usability**
Tiago Jacinto (Senhora da Hora, Portugal), Catarina Pinheiro, Paulo Viana, Rita Amaral
- PA2234 Promotion of adherence to home-mechanical ventilation by Telemonitoring technology: a pilot study**
Rui Vilarinho (Porto, Portugal), Teresa Magalhães, Marta Silva, Cátia Esteves, Cátia Caneiras
- PA2235 Improving inhaler technique in asthma/COPD by mHealth: a Belgian RCT**
Lies Lahousse (Ghent, Belgium), Anna Vanoverschelde
- PA2236 mHealth mood monitoring for people with COPD**
Maxine Whelan (Oxford, United Kingdom), Carmelo Velardo, Heather Rutter, Lionel Tarassenko, Andrew Farmer
- PA2237 Use of a mobile App to give up smoking. Results from a clinical trial**
Francisco Guillermo Puig Sanchez (sevilla, Spain), Laura Carrasco Hernández, Francisco Núñez Benjumea, Belén Gómez Rodríguez, Marco Mesa González, Francisco Jódar Sánchez, Panagiotis Bamidis, Antón Civit, Carlos Luis Parra Calderón, Eduardo Márquez Martín, Francisco Ortega Ruiz
- PA2238 A smart mHealth tool versus a paper action plan to support self-management of COPD exacerbations: a randomised controlled trial**
Erik Bischoff (Nijmegen, Netherlands), Lonneke Boer, Maarten Van Der Heijden, Peter Lucas, Reinier Akkermans, Jan Vercoulen, Yvonne Heijdra, Pim Assendelft, Tjard Schermer
- PA2239 Barriers and facilitators of developing and implementing eHealth applications: a questionnaire study with eHealth professionals**
Esther I. Metting (Groningen, Netherlands), Lara Verhallen, Corina De Jong
- PA2240 Effects of an asthma mHealth system on health services use: A pragmatic trial**
Rachel McGihon (Toronto (ON), Canada), Jingqin Zhu, M. Diane Loughheed, Christopher Liciskai, Samir Gupta, Teresa To

RETIRO

Session 262

10:45 - 12:45

Poster discussion: Biomarkers and beyond in idiopathic interstitial pneumonia

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#)

Method(s) : General respiratory patient care Pulmonary function testing Imaging Cell and molecular biology Physiology Epidemiology

Chairs : Marlies S. Wijsenbeek (Rotterdam, Netherlands), Nikhil Hirani (Edinburgh (Edinburgh), United Kingdom)

- PA2241 Adherence to home spirometry among patients with IPF: results from the INMARK trial**
Imre Noth (Charlottesville, United States of America), Toby M Maher, Kerri A Johannson, Nazia Chaudhuri, Stéphane JounEAU, Andreas Michael, Klaus B Rohr, Manuel Quaresma, Susanne Stowasser, Vincent Cottin
- PA2242 Differences between ANCA positive and negative lung fibrosis cases without vasculitis**
Nesrin Mogulkoc (Izmir, Turkey), Mehmet Nedim Tas, Yasemin Kabasakal, Paul William Bishop, Simona Littnerová, Karel Hejduk, Martina Vašáková
- PA2243 Single-nucleotide polymorphisms within TOLLIP and the efficacy of inhaled N-acetylcysteine therapy in idiopathic pulmonary fibrosis.**
Kazuya Koyama (Tokyo, Japan), Susumu Sakamoto, Sakae Homma, Seidai Sato, Masaki Hanibuchi, Yuko Toyoda, Kiyoshi Masuda, Isei Imoto, Takuma Isshiki, Shion Miyoshi, Motoyasu Kato, Kazuhisa Takahashi, Kensuke Kataoka, Yasuhiro Kondoh, Yasuhiko Nishioka
- PA2244 Decline in 4-metre gait speed (4MGS) over 6 months is associated with mortality in IPF.**
Claire M. Nolan (Richmond, United Kingdom), Matthew Maddocks, Toby M. Maher, Suhani Patel, Ruth E. Barker, Sarah E. Jones, Jessica A. Walsh, Stephanie C. Wynne, Peter M. George, Paul Cullinan, William D-C. Man

- PA2245 Using a selective avB6 PET ligand to optimise early phase IPF clinical trials**
Juliet Simpson (Stevenage, United Kingdom), Arthur Kang'Ombe, Maria Costa, Frederick Wilson, William Fahy, Richard Marshall, Charlotte Maden, Christopher Coello, Azeem Saleem, David Fairman, Mitra Vahdati-Bolouri, Toby Maher
- PA2246 Diurnal variation in forced vital capacity in patients with fibrotic interstitial lung disease using home spirometry: the DIVA study**
Catharina Moor (Rotterdam, Netherlands), Lidewij Visser, Joachim Aerts, Vincent Cottin, Marlies Wijsenbeek
- PA2247 Prognostic impact of radiological findings in unclassifiable interstitial lung diseases**
Sebastiano Emanuele Torrisi (Acireale (CT), Italy), Charlotte Hyldgaard, Nicolas Kahn, Claus Peter Heussel, Carlo Vancheri, Elisabeth Bendstrup, Michael Kreuter
- PA2248 Association between exposure to air pollution and mortality in patients with idiopathic pulmonary fibrosis**
Jin Woo Song (Seoul, Republic of Korea), Hee-young Yoon, Sun-Young Kim
- PA2249 Clinical significance of serum SP-D as a biomarker for antifibrotics in idiopathic pulmonary fibrosis (IPF): Post hoc analysis of a phase 3 trial of pirfenidone in Japan**
Hirofumi Chiba (Sapporo (Hokkaido), Japan), Kimiyuki Ikeda, Arata Azuma, Yasuhiro Kondoh, Takashi Ogura, Yoshio Taguchi, Masahito Ebina, Shogo Miyazawa, Hiroki Sakaguchi, Moritaka Suga, Yukihiko Sugiyama, Toshihiro Nukiwa, Shoji Kudoh, Hiroki Takahashi
- PA2250 Serum high mobility group box 1 is associated with the onset and severity of acute exacerbation of idiopathic pulmonary fibrosis**
Kakuhiro Yamaguchi (Hiroshima, Japan), Hiroshi Iwamoto, Shinjiro Sakamoto, Yasushi Horimasu, Takeshi Masuda, Shintaro Miyamoto, Taku Nakashima, Shinichiro Ohshimo, Kazunori Fujitaka, Hironobu Hamada, Noboru Hattori
- PA2251 Does brain natriuretic peptide (BNP) at baseline influence the effects of nintedanib plus sildenafil in patients with IPF?**
Juergen Behr (München, Germany), Martin Kolb, Horst Olschewski, Jin Woo Song, Fabrizio Luppi, Birgit Schinzel, Susanne Stowasser, Manuel Quaresma, Fernando J. Martinez
- PA2252 Relationship between body mass index (BMI) and decline in FVC in patients with IPF**
Stéphane Jouneau (Rennes Cedex, France), Bruno Crestani, Ronan Thibault, Mathieu Lederlin, Laurent Vernhet, Wibke Stansen, Manuel Quaresma, Vincent Cottin
- PA2253 Endothelial cell-derived microparticles as potential biomarkers in chronic interstitial lung diseases**
Tommaso Neri (Pisa (PI), Italy), Laura Tavanti, Sara De Magistris, Stefania Lombardi, Chiara Romei, Antonio Palla, Pierluigi Paggiaro, Alessandro Celi
- PA2254 Effect of nintedanib on blood biomarkers in patients with IPF in the INMARK trial**
Gisli Jenkins (Nottingham (Nottinghamshire), United Kingdom), Toby M Maher, Vincent Cottin, Yasuhiko Nishioka, Imre Noth, Eric S White, Carina Ittrich, Claudia Diefenbach, Klaus B Rohr, Susanne Stowasser, Moisés Selman
- PA2255 Usefulness of electronic nose in detection of Interstitial Lung Diseases (ILD)**
Silvia Barril Farre (Barcelona, Spain), Jordi Giner, José Luís Merino, Anna Feliu, Paloma Millán, Oriol Sibila, Diego Castillo
- PA2256 Characterization of unique pro-fibrotic T cells resident in the lungs**
Liv Ingunn Bjoner Sikkeland (Oslo, Norway), Shuo-Wang Qiao, Thor Ueland, Tone Sjøheim, Johny Kongerud, Øyvind Molberg, May Brit Lund, Espen Bækkevold
- PA2257 Prognostic evaluation of alveolar concentration of nitric oxide, serum periostin and CD59 in patients with idiopathic pulmonary fibrosis**
Paolo Cameli (Certaldo (FI), Italy), Elena Bargagli, Miriana D'Alessandro, Laura Bergantini, Piersante Sestini

No Room

Session

12:00 - 14:30

Game Zone: GAME ZONE - SESSION 5

- 12:00 Bronchoscopy**
Haizea Alvarez Martinez (Getxo (Vizcaya), Spain)
- 12:00 Chest drain placement**
Duneesha De Fonseka (Sheffield, United Kingdom)
- 12:00 Cryobiopsy**
Juan A. Cascón Hernández (Salamanca, Spain)
- 12:00 Endobronchial valve placement**
Fausto Leoncini (Montespertoli (FI), Italy)

- 12:00 Inspiratory muscle training**
Kevin De Soomer (Burcht, Belgium)
-
- 12:00 Rigid bronchoscopy**
Nazanin Farahbakhsh (Tehran, Islamic Republic of Iran)
-
- 12:00 Spirometry**
Elise M.A. Slob (Amsterdam, Netherlands)
-
- 12:00 Thoracic ultrasound**
Pieter-Paul W. Hekking (Amsterdam, Netherlands)
-
- 12:00 Tracheal intubation**
Malek Chaabouni (Sfax, Tunisia)

TP-01 Session 266 12:50 - 14:40

Thematic poster: Biomarkers, laboratory findings and pre-clinical data in acute respiratory failure

Disease(s) : Respiratory critical care

Method(s) : General respiratory patient care Cell and molecular biology Respiratory intensive care Physiology Surgery

Chairs : Marcus Schultz (Amsterdam, Netherlands), Lúcia Helena Pires Vicente (Portimão, Portugal), Roberto Tonelli (Castelvetto di Modena (MO), Italy)

- PA2258 Continuous monitoring of autoPEEP based on capnography. An animal validation study.**
Sara B. Heili Frades Zimmermann (Madrid, Spain), Fernando Suarez-Sipmann, Arnaldo Santos, Maria Del Pilar Carballosa De Miguel, Alba Naya, Maria Jesús Rodríguez-Nieto, Nicolás González- Mangado, German Peces -barba
-
- PA2259 Free leptin index in critically ill septic patients: a prospective case-control study**
Irene Karampela (Athens, Greece), Évangelia Kandri, Evangelia Chrysanthopoulou, George Skyllas, Gerasimos-Socrates Christodoulatos, Georgios Antonakos, Evangelos Vogiatzakis, Apostolos Armaganidis, Maria Dalamaga
-
- PA2260 Serum kinetics of total leptin and soluble leptin receptor as prognostic tools in sepsis.**
Irene Karampela (Athens, Greece), Evangelia Kandri, George Skyllas, Evangelia Chrysanthopoulou, Gerasimos-Socrates Christodoulatos, Georgios Antonakos, Evangelos Vogiatzakis, Apostolos Armaganidis, Maria Dalamaga
-
- PA2261 Evaluation of lung protective property of expiratory flow initiated pressure-controlled inverse ratio ventilation in robot-assisted laparoscopic radical prostatectomy**
GO HIRABAYASHI (Tokyo, Japan), Minami Saito, Sachiko Terayama, Hiroko Nishioka, Koichi Maruyama, Tomio Andoh
-
- PA2262 Neutrophil lymphocyte ratio as intensive care predictor of community acquired pneumonia**
Jatu Aphridasari (Surakarta (Central Java), Indonesia), Brigitta Devi Anindita Hapsari, Yusup Subagio Sutanto
-
- PA2263 Effects of pendrin inhibitor (PDI_C01) in vitro, and in vivo models of lipopolysaccharide-induced airway inflammation.**
Mi Hwa Shin (Seoul, Republic of Korea), Eun Hye Lee, Shihwan Chang, Ju Hye Shin, Jae Young Choi, Moo Suk Park
-
- PA2264 C- Reactive protein Kinetic in the Prognosis of Ventilator-Associated Pneumonia**
Sudarsan Pothal (Sambalpur (Odisha), India), Chandan Shit, Pravati Dutta, Rekha Manjhi, Aurobindo Behera
-
- PA2266 Implication of aquaporin-1 in the stress response of human pulmonary microvascular endothelial cells**
Alice Vassiliou (Athens, Greece), Edison Jahaj, Zafeiria Mastora, Ioanna Dimopoulou, Anastasia Kotanidou, Stylianos Orfanos
-
- PA2267 Macrolides resistance to streptococcus pneumoniae**
erum umer (karachi, Pakistan), Zafar Ahmed, Syed Ali Arsalan
-
- PA2268 Possible microRNA-mediated alterations of gene expression in lipoteichoic acid-stimulated neutrophils**
Po-Lin Kuo (Kaohsiung, Taiwan), Meng-Chi Yen, Shu-Fang Jian, Ming-Ju Tsai
-
- PA2269 Metformin meliorated glucocorticoid resistance through activating AMPK in septic rat**
Tongwen Sun (zhengzhou, China), Huoyan Liang, Xianfei Ding, Junyi Sun
-
- PA2270 Prognostic value of Fas ligand in patients with sepsis and septic shock**
Hongseok Yoo (Seoul, Republic of Korea), Jin Young Lee, June Sun Park, Ju Yeun Song, Sung Min Zo, Kyeongman Jeon
-
- PA2271 Novel pharmacological inhibition of EZH2 attenuates septic shock by altering innate inflammatory responses to sepsis**
Lunxian Tang (Shanghai, China)

- PA2272 Plasma level of TNF related apoptosis inducing ligand is associated with severity of disease in patients with sepsis and septic shock.**
Hongseok Yoo (Seoul, Republic of Korea), Jin Young Lee, June Sun Park, Ju Yeun Song, Sung Min Zo, Kyeongman Jeon
- PA2273 Mitochondrial damage-associated molecular patterns exacerbate alveolar fluid imbalance in Lipopolysaccharide-induced acute lung injury**
Zhicheng Yuan (ChengDu, China), Tao Wang, Fuqiang Wen
- PA2274 Polydeoxyribonucleotide attenuates Lipopolysaccharide-induced Acute Lung Injury in Rats via modulation of the NF- κ B and MAPK pathways**
DONG YON KIM (SEOUL, Republic of Korea), Cheon Woong Choi, Yee Hyung Kim, Hye Sook Choi, Won Gun Kwack
- PA2275 Late Breaking Abstract - Transvenous stimulation thresholds of the left and right phrenic nerves using a single catheter via jugular access**
Matt Gani (Seattle, United States of America), Thiago Bassi, Linda Clark, Doug Evans, Elizabeth Rohrs, Karen Stephens, Kaity Taylor, Viral Thakkar, Adrián Ebner
- PA2276 Late Breaking Abstract - High minute ventilation to carbon dioxide production ratio in ICU patients is associated with early and late poor survival**
Ivan Caviedes Soto (Lo Barnechea, Chile), René López, Rodrigo Pérez, Álvaro Salazar, Jerónimo Graf

TP-02

Session 267

12:50 - 14:40

Thematic poster: COPD and other specific entities in intensive care unit medicine**Disease(s) :** Sleep and breathing disorders Respiratory critical care Pulmonary vascular diseases Interstitial lung diseases Airway diseases**Method(s) :** General respiratory patient care Respiratory intensive care Epidemiology Pulmonary function testing Public health Surgery Transplantation Physiology**Chairs :** Sascha David (HAnnover, Germany), Manuel Lujan Torne (Sabadell (Barcelona), Spain), Friederike Sophie Magnet (Köln, Germany), Christoph Fisser (Regensburg, Germany)

- PA2277 Outcomes among immunocompetent and immunocompromised and pneumonia and trachea-bronchitis in mechanical ventilation.**
Virginia Moura (Recife (PE), Brazil), Maria Augusta Costa deMoura, João Moura, Marilia Moura, Roberto Stirbulov
- PA2278 A preliminary clinical evaluation of a new portable life support ventilator with invasively ventilated home users**
Julie Yarascavitch (Monroeville, United States of America), Christina Vogler, Sidney Cannon-Bailey
- PA2279 Early Prediction of Extubation Failure in Severe Pneumonia: A Retrospective Cohort Study**
Jian Luo (Chongqing (Chongqing), China), He Yu, Yuenan Ni, Yuehong Hu, Dan Liu, Maoyun Wang, Binmiao Liang, Zongan Liang
- PA2280 Pulmonary complications after elective coronary artery bypass grafting surgery in patients with and without sleep-disordered breathing – a prospective observational study**
Michael Arzt (Regensburg, Germany), Maria Tafelmeier, Lili Luft, Bernhard Floerchinger, Daniele Camboni, Marcus Creutzenberg, Sigrid Wittmann, Florian Zeman, Christof Schmid, Lars S. Maier, Stefan Wagner
- PA2281 Factors Affecting Weaning Failure in Critical Patients with Urgent Gastrointestinal Surgery**
Fatma Yildirim (Ankara, Turkey)
- PA2282 Admission to Intensive Care Unit due to non-traumatic coma: etiology and outcome**
Irene Karampela (Athens, Greece), Evangelia Chrysanthopoulou, Stavroula Patsilinakou, Giorgia Konstantopoulou, Frantzeska Franzeskaki, Marina Kontogiorgi, Chrysi Diakaki, Maria Theodorakopoulou, Iraklis Tsagkaris, Apostolos Armaganidis
- PA2283 The outcome of patients with acute stroke requiring intensive care unit admission**
Basheer Khassawneh (Aidune, Jordan), Ali Ibnian, Ahmed Yassin, Abdelhameed Al-Mistarehi, Islam E'Leimat, Musaab Ali, Ahmad Shannaq, Khalid El-Salem
- PA2284 Efficacy and safety of thermic helium-oxygen (t-He/O₂) mixture in reducing hypoxemia in acute ischemic stroke patients**
Tatiana Kim (Moscow, Russian Federation), Alexander Chuchalin, Mihail Martynov, Eigeniy Gusev, Ludmila Shogenova, Alexander Panin
- PA2285 Risk factors for mortality in right ventricular failure and pulmonary arterial hypertension**
Oscar Gabriel Jiménez Cabrera (Ciudad de México, Mexico), Tomás René Pulido-Zamudio, Nayeli Guadalupe Zayas-Hernández, Julio César López-Reyes, Julio Sandoval-Zárate

- PA2286 Respiratory muscle determinants and weaning outcome in COPD patients**
Khaled Hussein (Assiut, Egypt), Islam Galal, Suzan Salama, Saied Qenawy
-
- PA2287 Characterization of patients with pneumonia and chronic structural lung disease admitted to an ICU**
Gil Gonçalves (Lousada, Portugal), Maria Inês Leitão, Luís Linhares, João Pedro Baptista, Paulo Martins
-
- PA2289 In vitro evaluation of spacers in comparison with T-adapters in mechanical ventilation with pressurized metered dose inhalers (pMDI) and vibrating mesh nebulizer.**
Myriam Eckes (Valognes, France), Thierry Porée
-
- PA2290 Effect of t-??2 on Central hemodynamics and oxygen transport in patients with COPD exacerbation and acute respiratory failure**
Ludmila Shogenova (Moscow, Russian Federation), Alexander Chuchalin, Tatiana Kim, Michail Godyaev, Arkadiy Tretyakov, Andrei Cherapkin, Sergei Novoselov, Alexander Panin
-
- PA2291 Nutritional Disorders of Patients with Chronic Obstructive Pulmonary Disease**
Shakhboskhan Akhmedov (Tashkent, Uzbekistan)
-
- PA2292 Clinical investigation of 19 cases of ?spontaneous pneumomediastinum ?complicated with? interstitial lung disease**
SATOSHI ARAKAWA (Nishigahara, Japan), Hideki Matsudaira, Ai Ishikawa, Yuki Noda, Daiki Kato, Takamasa Shibasaki, Makoto Yamashita, Jyun Hirano, Takashi Ohtuka
-
- PA2293 Late Breaking Abstract - Clinical risk, cuff leak test and laryngeal ultrasound based scoring system to predict post-extubation stridor in intensive care unit patients**
Sukhen Samanta (Howrah, India), Afzal Azim, Arvind Baronia, Banani Poddar, Mohan Gurjar, Ratender Singh
-
- PA2294 Late Breaking Abstract - In-hospital specialized weaning unit increase weaning success and increase ICU bed availability**
Atikun Limsukon (Chiang Mai, Thailand), Chalerm Liwsrisakun, Chaiwat Bumroongkit, Athavudh Deesomchok, Theerakorn Theerakittikul, Pattraporn Tajarennmuang, Chaicharn Pothirat
-
- PA2295 Late Breaking Abstract - Extravascular Lung Water to Predict Severity of Primary Graft Dysfunction and Outcomes Following Lung Transplant**
Laveena Munshi (Toronto, Canada), Marcelo Cypel, Alaa Mohamed, Jussi Tikkanen, Lorenzo Del Sorbo, Shaf Keshavjee, John Granton
-
- PA2296 Late Breaking Abstract - Retrospective study on the use of nasal high flow therapy in a respiratory ward**
Antonio Di Sorbo (Benevento, Italy), Assunta Micco, Mariano Mazza, Angelo Romano, Gaetano Beatrice, Mario Del Donno

TP-03

Session 268

12:50 - 14:40

Thematic poster: Treatment of chronic respiratory failure with noninvasive ventilation**Disease(s) :** Sleep and breathing disorders Respiratory critical care Airway diseases**Method(s) :** General respiratory patient care Respiratory intensive care**Chairs :** Peter J. Wijkstra (Groningen, Netherlands), Amanda Piper (Camperdown (NSW), Australia), Claudio Rabec (Dijon, France), Chair to be confirmed

- PA2297 COPD Subject's Expiratory Flow Limitation Sleep Style Observation**
Jim McKenzie (Monroeville, United States of America), Chuck Cain, Mike Kissel, Bill Hardy
-
- PA2298 Role Of Non Invasive Ventilation With Average Volume Assured Pressure Support (AVAPS)mode in patients with COPD and Type II Respiratory Failure**
Siva Yuvarajan (PONDICHERY (Tamil Nadu), India), Mg Ramachandran, Praveen Radhakrishnan, Antonius Maria Selvam, Gangi Reddy
-
- PA2299 Step-down ventilatory strategy in obesity hypoventilation syndrome (OHS) patients treated by home noninvasive ventilation (NIV)**
Edouard Dantoing (Cysoing, France), Marielle De Marchi, Johan Dupuis, Jean-François Muir, Antoine Cuvelier, Maxime Patout
-
- PA2300 Is survival in Myotonic Dystrophy improved by chronic ventilatory support?**
Charlotte Seijger (Heerenveen, Netherlands), Joost Raaphorst, Judith Vonk, Baziel Engelen, Van, Nadine Stigter, Peter Wijkstra
-
- PA2301 Need of help in activities of daily living is associated to survival in obesity-hypoventilation patients using noninvasive ventilation.**
Heidi Rantala (Pirkkala, Finland), Sirpa Leivo-Korpela, Juho T. Lehto, Lauri Lehtimäki

- PA2302** **Location of domiciliary non-invasive ventilation set-up does not impact patient outcomes**
Katharine Pates (London, United Kingdom), Steve Cutts, Christine Lim, Sarah Yamamoto, Jacqueline Bennion, Swapna Mandal, Stephanie Mansell
- PA2303** **The Influence of first year's hospitalization on afterward clinical stability and prognosis in long-term NIV patients.**
Tomomasa Tsuboi (Joyo, Japan), Kensuke Sumi, Yuichi Chihara, Atsuo Sato, Toru Oga, Kazuo Chin, Motoharu Ohi
- PA2304** **Side effects and associated symptoms predict adherence to chronic noninvasive ventilation**
Kristina Zihelr (Ljubljana, Slovenia), Anja Zargaj, Ditka Benedicic Katona, Irena Sarc
- PA2305** **Compliance with chronic noninvasive ventilation: key factors for a successful therapy.**
Marjette Slot (Groningen, Netherlands), Gerrie Bladder, Jellie Nieuwenhuis, Peter Wijkstra, Marieke Duiverman
- PA2306** **Mechanical Ventilation (MV) in patients with Duchenne Muscular Dystrophy (DMD) in our area**
Elena Garay Llorente (Barakaldo, Spain), Sandra Pedrero Tejada, Valentin Cabriada Nuño, Sonia Castro Quintas, Borja Ortiz De Urbina Antia, Patricia Sobradillo Ecenarro, Milagros Iriberry Pascual, Joseba Andia Iturrate, Mikel Santiago Burruchaga, Amaia Urrutia Gajate
- PA2307** **Long-term outcomes of oronasal and nasal interfaces in home non invasive ventilation**
Elena Ojeda Castillejo (Madrid, Spain), Daniel López-Padilla, Soledad López Martín, Elena R. Jimeno, José Rafael Terán Tinedo, Christian Castro Riera, Beatriz Recio Moreno, Zichen Ji, Virginia Gallo González, Alicia Cerezo Lajas, Luis Puente Maestu
- PA2308** **Potential biomarkers in non invasive ventilation for chronic respiratory failure**
Soledad Lopez Martin (, Spain), Elena Ojeda Castillejo, Daniel López-Padilla, Beatriz Recio Moreno, Christian Castro Riera, Virginia Gallo González, Zichen Ji, Alicia Cerezo Lajas, Elena R. Jimeno, José Rafael Terán Tinedo, Luis Puente Maestu
- PA2309** **Evaluation of domiciliary monitoring of home non invasive mechanical ventilation, its influence on survival depends on particular disease**
Raul Hidalgo Carvajal (Toledo, Spain), Marcelino Sanchez Casado, Encarnacion Lopez Gabaldon, Perla Valenzuela Reyes, Maria Jose Espinosa De Los Monteros Garde
- PA2310** **Preventing skin care issues associated with face masks used for domiciliary non-invasive ventilation: what do users and their carers think are the most relevant future research questions?**
Joy Conway (Southampton (Hampshire), United Kingdom), Christopher Boulding, Sarah Ewles, Sally Cozens, Peter Worsley, Jo Adams
- PA2311** **The prevalence of chronic respiratory failure treated with home mechanical ventilation in Helsinki, Finland.**
Petra Kotanen (Espoo, Finland), Hanna-Riikka Kreivi, Annette Kainu, Pirkko Brander
- PA2312** **Remote monitoring of home mechanical ventilators in Brazil: A pilot study**
Claudia Simeire Albertini (São Paulo (SP), Brazil), Ruy Camargo Pires, Gabriela Naso, Thais Carneiro
- PA2313** **Yearly clinical changes in patients established on home non-invasive ventilation (NIV)**
Maxime Patout (Mont-Saint Aignan, France), Gwenaëlle Maclaud, Edouard Dantoing, Elise Godeau, Samuel Dolidon, Diane Gervereau, Julien Pierchon, Marie-Anne Melone, Mohamed Zouhaier Gharsallaoui, Antoine Cuvelier
- PA2314** **Long-term outcomes in non invasive ventilation and low left ventricle ejection fraction**
Jose Rafael Teran Tinedo (Madrid, Spain), Elena R. Jimeno, Alicia Cerezo Lajas, Zichen Ji, Virginia Gallo González, Christian Castro Riera, Beatriz Recio Moreno, Soledad López Martín, Elena Ojeda Castillejo, Daniel López-Padilla, Luis Puente Maestu
- PA2315** **Quality of life and outcome of home noninvasive ventilation (NIV) in patients above 80 yrs old**
Hugo Couturier (Rouen, France), Johan Dupuis, Mohamed Zouhaier Gharsallaoui, Antoine Cuvelier, Maxime Patout
- PA2316** **Patient-reported benefit and burden of home noninvasive ventilation**
Irena Sarc (Ljubljana, Slovenia), Anja Zargaj, Ditka Benedicic Katona, Kristina Zihelr

TP-04

Session 269

12:50 - 14:40

Thematic poster: Treatment of acute respiratory failure with noninvasive ventilation**Disease(s) :** Respiratory critical care Sleep and breathing disorders Airway diseases**Method(s) :** Respiratory intensive care General respiratory patient care Imaging Physiology**Chairs :** Leo Heunks (Amsterdam, Netherlands), Ezgi Özyilmaz (Adana, Turkey), Claudia Crimi (Catania (CT), Italy), Tobias Muller (Aachen, Germany)

- PA2317** **Characteristics of intensive care unit patients after planned extubation with Noninvasive ventilation and reintubation**
CHANG YUJEN (Taichung City, Taiwan)

- PA2318 Don't procrastinate, ventilate! - a quality improvement project.**
Sofia Hanger (London, United Kingdom), Katherine Groom, Patricia Yunger, Shruthi Konda
-
- PA2319 Neurological evaluation in patients undergoing non-invasive mechanical ventilation for acute hypercapnic encephalopathy: comparison of two different scores.**
Maria Rosaria Gioia (Napoli, Italy), Ambra Nicolai, Giuseppina Ciarleglio, Rosalba Maffucci, Uberto Maccari, Raffaele Scala
-
- PA2320 NIV retrieval service in a District General Hospital: an 18 month experience**
Victoria Lewis (Cardiff, United Kingdom), Lyndsey Ward, Helen Jones, Sara Fairbairn
-
- PA2321 Comparison of effectiveness and comfort of two different configurations of a new total face mask for noninvasive ventilation (NIV): a randomized controlled trial.**
Vittoria Comellini (Bologna (BO), Italy), Lara Pisani, Sara Betti, Luca Fasano, Giulia Baldan, Stefano Nava
-
- PA2322 Lung ultrasound score to monitor non-invasive respiratory support in hypoxemic patients**
Silvia Mongodi (Pavia, Italy), Erminio Santangelo, Giulia Salve, Sandro Pregnolato, Silvia Bonaiti, Andrea Stella, Andrea Colombo, Anita Orlando, Rosanna Vaschetto, Bélaïd Bouhemad, Francesco Mojoli
-
- PA2323 COPD and previous acute hypercapnic respiratory failure treated with non invasive ventilation as indication for home treatment**
Elena Rodriguez Jimeno (Madrid, Spain), José Rafael Terán Tinedo, Alicia Cerezo Lajas, Christian Castro Riera, Virginia Gallo González, Daniel López-Padilla, Zichen Ji, Beatriz Recio Moreno, Elena Ojeda Castillejo, Soledad López Martín, Luis Puente Maestu
-
- PA2324 Prognostic factors determining the outcome of non-invasive ventilation in acute exacerbation of COPD with hypercapnic respiratory failure - a 725 rule**
Thomas Kurian (Thrissur (Kerala), India), Paramez Ayyappath
-
- PA2325 Combined effects of body positioning and noninvasive ventilation on the regional distribution of pulmonary ventilation evaluated by electrical impedance tomography in the young and the elderly.**
Liegina Silveira Marinho (Fortaleza, Brazil), Andrea Nobrega Cirino Nogueira Da Nobrega Cirino Nogueira, Juliana Arcanjo Lino, Gabriela De Carvalho Gomes Frota, Renata Dos Santos Vasconcelos, Nancy Delma S. V. C. Sousa, Clarissa Bentes De Araujo Magalhães, Alvaro Silva Romero, Marcelo Alcântara Holanda, Betina Santos Tomaz
-
- PA2326 Conventional Oxygen-Therapy vs HFNC in Hypercapnic ARF: rates of upgrade to NIV**
Anna Gandino (Milano (MI), Italy), Angelo Valerio Romano, Pietro Nunnari, Alessandra Cernuschi, Ruggero Ruggeri
-
- PA2327 Nasal high flow versus Non-invasive ventilation in patients with acute exacerbation of chronic obstructive pulmonary disease**
Athanasia Papalampidou (Athens, Greece), Eleni Ischaki, Ioannis Pantazopoulos, Efstratios Manoulakas, Stylianos Boutlas, Melanie Moylan, Emmanouil Ferdoutsis, Georgios Meletis, Nikolaos Athanasiou, Stavroula Boulia, Konstantinos Gourgoulianis, Spyros Zakyntinos
-
- PA2328 Forced oscillation technique (FOT) in non-invasive ventilation (NIV) for treatment of expiratory flow limitation (EFL)**
Josh Stachel (Monroeville, United States of America), Chuck Cain, Jim Mckenzie, Mike Kissel, Bob Romano, Bill Hardy
-
- PA2329 Delays to Non-Invasive Ventilation (NIV) are still happening. Why do clinicians in a tertiary hospital continue to do this?**
Mark Nugent (Liverpool, United Kingdom), Jake Cowen, Thomas Moorhen, Ali Bakhsh, Paul K Plant
-
- PA2330 CPAP vs BiLEVEL as primary modes of noninvasive ventilatory support in COPD exacerbation with acute hypercapnic respiratory failure**
Ievgenii Domin (Kyiv, Ukraine), Feliks Glumcher, Sergii Dubrov
-
- PA2331 Reducing length of stay for patients with Motor Neurone Disease admitted to a Specialist Ventilation Unit**
Emma Flowers (Manchester, United Kingdom), Louise Hesketh, David Gavin, Saba Bokhari, John Ealing, Andrew Bentley, Tim Felton
-
- PA2332 Home-based monitorization of neuromuscular patients with non-invasive ventilation: implementation of a patient-centered protocol**
Rui Vilarinho (Porto, Portugal), Teresa Magalhães, Cláudia Maciel, Joana Sampaio-Silva, Cátia Esteves, Cátia Caneiras
-
- PA2333 The Effect Of NIMV Modes On Intraocular Pressure In COPD Patients With Hypercapnic Respiratory Failure**
Öner Balbay (Duzce, Turkey), Fuat Aytakin, Pınar Yıldız Gülhan, Kuddusi Teberik, Ege Güleç Balbay, İter İritaş, Merve Erçelik, Mehmet Fatih Elverişli
-
- PA2334 A Preliminary Evaluation of Automatic EPAP Adjustment on Patients with Expiratory Flow Limitation**
Jim McKenzie (Monroeville, United States of America), Chris Procyk, Chuck Cain, Bill Hardy

- PA2335 Late Breaking Abstract - Adaptive strategy for EPAP of non-invasive ventilation to AECOPD patients with heart failure**
BoXue Han (Beijing, China), Maoliang Tian, Yan Xu, Ying Wang, Licai Zhu, Yongshi Han, Yan Chang, Juan Li, Jianxin Ma

TP-05 Session 270 12:50 - 14:40

Thematic poster: Novel methods, diagnostics and biomarkers in chronic lung diseases

Disease(s) : Interstitial lung diseases Airway diseases Sleep and breathing disorders Pulmonary vascular diseases Respiratory critical care Thoracic oncology

Method(s) : Cell and molecular biology General respiratory patient care Pulmonary function testing Epidemiology Public health Transplantation Physiology Endoscopy and interventional pulmonology

Chairs : Guillaume Beltramo (Dijon, France), Ian P. Hall (Nottingham (Nottinghamshire), United Kingdom), Jonathan R. Baker (London, United Kingdom), Aurelie Fabre (Dublin 4, Ireland)

- PA2336 Type 2 cytokines and biomarkers in asthma patient sera show coordinated expression and identify patient subsets**
Karina Bingham (Nottingham, United Kingdom), Michael Portelli, Iain Stewart, Charlotte Billington, Amanda Henry, Ian Hall, Dominick Shaw, Ian Sayers

- PA2337 Differential macrophage activation in asthmatic sputum using U-BIOPRED transcriptomics**
Angelica Tiotiu (Nancy, France), Nazanin Z. Kermani, Paul Agapow, Mansoor Saqi, Yi-Ke Guo, Ratko Djukanovic, Kian Fan Chung, Ian M. Adcock

- PA2338 Role of AQP5 polymorphisms in predisposition to asthma**
Denis Naumov (Blagoveshchensk (Amur Oblast), Russian Federation), Dina Gassan, Olesya Kotova, Elizaveta Sheludko, Juliy Perelman, Victor Kolosov

- PA2340 The effect of resveratrol on muscle and fat metabolic health in COPD**
Rosanne J.H.C.G. Beijers (Maastricht, Netherlands), Harry R. Gosker, Karin J.C. Sanders, Chiel De Theije, Marco Kelders, Gerard Clarke, John F. Cryan, Bram Van Den Borst, Annemie M.W.J. Schols

- PA2339 Late Breaking Abstract - A novel technique of liquid biopsy for better capture of malignant cells from sputum and BALF**
liping lv (Hefei, China), Lianjun Lin, Jixin Zhang, Yaoping Liu, Tingyu Li, Fei Tang, Wei Wang, Xinmin Liu

- PA2341 NOS3 786C/T polymorphism associated with plasma nitric oxide level and risk of development essential hypertension in patients with asthma**
Anton Shakhonov (Ryazan, Russian Federation), Oleg Uryasev, Eduard Belskikh, Lyudmila Korshunova

- PA2343 Late Breaking Abstract - Generating iPSC derived alveolar macrophages as a novel model for respiratory research**
Jessica Tilman (Cambridge, United Kingdom), Eirini Koutsouraki, Sian Humphreys, Ashley Barnes

- PA2342 Pneumonia severity index (PSI) at young patients and toll-like receptor 4 (TLR4) polymorphism interconnections: new diagnostic approach**
Kiarina Chichirelo-Konstantynovych (Vinnitsya, Ukraine), Tetyana Konstantynovych, Larysa Moroz

- PA2344 Repeated bronchoscopy examination of the airway microbiome**
Rune Nielsen (Tertnes, Norway), Yaxin Xue, Inge Jonassen, Ingvild Haaland, Øyvind Kommedal, Harald G Wiker, Christine Drengenes, Per S Bakke, Tomas M L Eagan

- PA2345 Effect of TRPA1 polymorphisms on asthma development**
Olesya Kotova (Blagoveshchensk (Amur Oblast), Russian Federation), Dina Gassan, Denis Naumov, Juliy Perelman

- PA2346 Antibiotics and the microbiome in asthmatic patients**
Orla O'Carroll (Dublin 4, Ireland), Aisling Mcgowan, Ciara Gough, Waheed Shah, Conor Burke

- PA2347 Prediction of longitudinal inflammatory phenotypes using baseline sputum transcriptomics in UBIO-PRED**
nazanin Zounemat Kermani (hanworth, United Kingdom), Stelios Pavlidis, John H. Riley, Fan Kian Chung, Ian M. Adcock, Yi-Ke Guo

- PA2348 Diesel particle induces aging phenotype of bronchial epithelial cells via disruption of anti-aging molecule**
Jonathan R. Baker (London, United Kingdom), Chaitanya Vuppusetty, Kazuhiro Ito

- PA2349 Genetic diagnostics in patients with chronic thromboembolic pulmonary hypertension**
Christina Eichstaedt (Heidelberg, Germany), Jeremias Verwey, Jie Song, Michael Halank, Christine Fischer, Alberto Marra, Ralph Ewert, Katrin Hinderhofer, Ekkehard Grünig

PA2350 **Role of vascular endothelial growth factor polymorphisms in interstitial lung disease**
SARA REMUZGO MARTINEZ (SANTANDER, Spain), Victor Manuel Mora Cuesta, David Iturbe Fernández, Sonia María Fernández Rozas, Raquel López Mejías, Fernanda Genre, Verónica Pulito Cueto, Verónica Mijares, Leticia Lera Gómez, Pilar Alonso Lecue, María Piedad Usetti, Rosalía Laporta, Virginia Pérez, Alicia De Pablo Gafas, Miguel Ángel González-Gay, José Manuel Cifrián

PA2351 **Cytoprotective effect of echinochrome in the primary culture of pulmonary fibroblasts of albino rats exposed to oxidative stress**
Maria Kuznetsova (Khabarovsk, Russian Federation), Olga Lebed'Ko, Elena Sazonova, Natalia Mishchenko

PA2352 **Evaluation of Oxidative Stress Markers and their Correlation with Respiratory Muscle Strength in Congenital Generalized Lipodystrophy**
Julliane Tamara Araújo de Melo Campos (Natal, Brazil), Aquiles Sales Craveiro Sarmiento, Jorge Luiz Dantas De Medeiros, Bruno Carneiro Bezerra, Thaiza Teixeira Xavier Nobre, Lucien Peroni Gualdi, Lucymara Fassarella Agnez Lima, Josivan Gomes Lima

PA2353 **Endothelial dysfunction in a cell culture model exposed to various modes with different intermittent hypoxia frequencies and degrees**
Juan Wang (Beijing, China), Xin Li, Wanju Hou, Jie Cao, Jing Feng

PA2354 **Mechanisms of vascular endothelial cell injury in response to intermittent and continuous hypoxia exposure and protective effects of anti-inflammatory and anti-oxidant agents**
Fan Xiao (, China), Jie Cao, Xin Li

TP-06

Session 271

12:50 - 14:40

Thematic poster: Identification of new targets and therapeutic strategies for lung disease

Disease(s) : [Interstitial lung diseases](#) [Respiratory critical care](#) [Pulmonary vascular diseases](#) [Airway diseases](#)

Method(s) : Cell and molecular biology Transplantation Physiology

Chairs : Reinoud Gosens (Groningen, Netherlands), Irma Mahmutovic Persson (Lund, Sweden), Sophie Hardy (Bruxelles, Belgium), Anne M. van der Does (Leiden, Netherlands)

PA2355 **Role of ASC oligomerization and NEK7-NLRP3 interaction in the pathogenesis of house dust mite-induced asthma**
Yong Chul Lee (Jeonju, Republic of Korea), So Ri Kim, Hae Jin Park, Jae Seok Jeong, Kyeong Hwa Park

PA2356 **Bosutinib protects against pulmonary vascular leakage by improving endothelial cell-matrix adhesion**
Liza Botros (Amsterdam, Netherlands), Manon Pronk, Jenny Juschten, John Liddle, Pieter Tuinman, Stephan Huvencers, Harm Jan Bogaard, Victor Van Hinsbergh, Peter Hordijk, Jurjan Aman

PA2357 **Pharmacological induction of A20: Anti-inflammatory effects in paediatric asthma**
Bettina Schock (Belfast (Belfast), United Kingdom), Katy Mcconnell, Gayathri Thillaiyampalam, Amal Elbanna, Arlene Brown, Madeleine Ennis, Shu-Dong Zhang, Michael D Shields

PA2358 **Impact of Tacrolimus in the epithelial-mesenchymal transition in chronic lung allograft dysfunction**
Margaux Gracyasz (Illkirch-Graffenstaden, France), Kévin Vallière, Ali El Habhab, Benjamin Renaud-Picard, Fatiha El-Ghazouani, Laurence Kessler, Florence Toti, Romain Kessler

PA2359 **Altered mitochondrial function in proliferating airway smooth muscle cells**
Charalambos Michaeloules (London, United Kingdom), Julia Frankenberg Garcia, Bingling Xu, Xia Li, Christopher Hui, Kian Fan Chung, Pankaj Bhavsar

PA2360 **Effect of oral administration of echinochrome on lipopolysaccharide-induced lung injury in the immature Wistar rats**
Maria Kuznetsova (Khabarovsk, Russian Federation), Olga Lebed'Ko, Boris Ryzhavsii, Natalia Mishchenko

PA2361 **Effect of echinochrome on the respiratory burst of blood polymorphonuclear neutrophils in pediatric patients with interstitial lung disease (ILD): an in vitro study.**
Maria Kuznetsova (Khabarovsk, Russian Federation), Olga Lebed'Ko, Boris Ryzhavsii, Natalia Mishchenko

PA2362 **Up-regulation of paraoxonase 2 in human bronchial epithelial cells**
Daniel Winnica (Aurora, United States of America), Sunita Sharma, Loretta Que, Shuyu Ye, Vong Smith, Cruse Margaret, Nancy Perez, Fernando Holguin

PA2363 **MiR-1165-3p downregulated in Th2 cells inhibits Th2 differentiation in allergic asthma by targeting PPM1A**
Zhengxia Wang (Nanjing (Jiangsu), China), Mao Huang, Ningfei Ji, Mingshun Zhang

PA2364 **Asthma and severe obesity: glucocorticoid sensitivity before and after bariatric surgery**
Marina Bantulà Fonts (Vilassar de Dalt, Spain), Jordi Roca-Ferrer, César Picado, Irina Bobolea, Antonio Valero, Joaquim Mullol, Joan Bartra, Ebymar Arismendi

- PA2365** **Analysis of cytogenetic alterations in peripheral blood lymphocytes from asthmatic patients treated with oral corticosteroids**
Andrey Lintsov (st.Petersburg, Russian Federation), Vasiliy Trofimov, Alisher Soliev, Boris Uslontsev, Pavel Slizhov, Nadezhda Pleskach, Irina Spivak, Victor Mikhelson
- PA2366** **Members of the microRNA cluster 17-92 are disease specifically regulated in fibroblasts of idiopathic pulmonary fibrosis**
Christopher Lambers (Wien, Austria), Sabrina Blumer, Lei Fang, Konrad Hötzenecker, Peter Jaksch, Michael Tamm, Michael Roth
- PA2367** **Extracellular ATP is a danger signal activating P2X7 Receptor in a LPS mediated inflammation (ARDS/ALI)**
Sanja Cicko (Freiburg, Germany), Thomas Christian Köhler, Madelon Hossfeld, Sven Schneider, Andreas Zech, Francesco Di Virgillio, Marco Idzko
- PA2368** **Assessment of DNA repair synthesis in peripheral blood lymphocytes of asthmatic patients**
Andrey Lintsov (st.Petersburg, Russian Federation), Alisher Soliev, Vasiliy Trofimov, Boris Uslontsev, Pavel Slizhov, Nadezhda Pleskach, Irina Spivak, Victor Mikhelson
- PA2369** **LSC - 2019 - Post-transcriptional dysregulation as a novel mechanism underlying non-responsive severe asthma**
Jennifer Rynne (London, United Kingdom), Jennifer Rynne, Manuela Plate, Rachel Chambers, Peter Howarth, Rocio T. Martinez-Nunez
- PA2370** **Cigarette smoke extract induces ER stress in human lung fibroblasts from COPD patients and healthy subjects**
Martin Ryde (Lund, Sweden), Rebecca Hillerström, Anni Malm, Gunilla Westergren-Thorsson, Leif Bjermer, Ellen Tufvesson
- PA2371** **NF- κ B ACTIVATION IN CYSTIC FIBROSIS: THE DREAM OF A20**
Bettina Schock (Belfast (Belfast), United Kingdom), George Momtazi, Amal Elbanna, Sorcha Finnegan, Marie Héritier, Lois Lavery, Kirsten Mccollum, Jose Naranjo
- PA2372** **TNFAIP3/A20 expression in allergic asthma**
Yanira Riffo-Vasquez (London, United Kingdom), Varsha Kanabar-Raivadera, Valerie Corrigan, Clive Page
- PA2373** **Mechanisms of acetylcholine-induced release of proinflammatory extracellular vesicles by endothelial cells and inhibitory effects of tiotropium**
Tommaso Neri (Pisa (PI), Italy), Valentina Scalise, Ilaria Passalacqua, Chiara Sanguinetti, Stefania Lombardi, Roberto Pedrinelli, Pieruigi Paggiaro, Alessandro Celi
- PA2374** **The RNA binding protein HuR regulates the senescence-associated secretory phenotype under conditions of oxidative stress**
Shyreen Hassibi (London, United Kingdom), Jonathan Baker, Louise Donnelly, Peter Barnes

TP-07

Session 272

12:50 - 14:40

Thematic poster: Host-microbe interactions in lung disease and exacerbations**Disease(s)** : **Airway diseases** **Respiratory critical care****Method(s)** : Cell and molecular biology Transplantation Epidemiology Respiratory intensive care Endoscopy and interventional pulmonology Physiology General respiratory patient care Public health Imaging**Chairs** : Sabine Bartel (Groningen, Netherlands), Akhilesh Jha (Cambridge, United Kingdom), Alen Faiz (Groningen, Netherlands), Simonetta Baraldo (Padova (PD), Italy)

- PA2375** **Analysis of the nasal microbiome in long-term survivors after lung transplantation with a good allograft function**
Victoria Ruiz (Barcelona, Spain), Alberto Mendoza, Alba Santiago, Berta Saez, Maria Hernandez, Thais Pereira, Roser Escobar, Cristina Berastegui, Amparo Sole, Felipe Zurbano, Mercedes De La Torre, Rosalia Laporta, Javier Redel, Marta Pozuelo, Susana Gomez, Chaysavanh Manichanh, Antonio Roman
- PA2376** **Immunity status of community acquired pneumonia (CAP) young patients according concomitant cytomegalovirus persistence (CMVP)**
Kiarina Chichirelo-Konstantynovych (Vinnitsya, Ukraine), Larysa Moroz, Tetyana Konstantynovych
- PA2377** **Emergence of an immunosuppressive neutrophil phenotype during pneumococcal lung co-infection with influenza A virus**
Hao Wang (Bundoora, Australia), Hao Wang, Steven Bozinovski
- PA2378** **COPD phenotypes revealed by the integrated sputum microbiome and proteome analysis in COPDMAP cohort**
Andrey Tovchigrechko, Chia-Chen Chiang, Deepak Khattry, Claire Emson, David Singh, Jadwiga Wedzichia, Gavin Donaldson, Christopher Brightling, Donna Finch, Outi Vaarala

- PA2379 Presence of airway SCFAs in asthma and response of airway epithelium to SCFAs**
Marianne Kolianna (London, United Kingdom), Ernie Wong, David J. Jackson, Tatiana Kebabze, Carine Blanchard, Sebastian L. Johnston, Elaine Holmes, Gary Frost
- PA2380 Different inhaled corticosteroids altered lung microbiome and regulating the expression of PAF receptor as well as the phagocytosis function of macrophage**
Yen-Fu Chen (Douliou, Taiwan), Hsin-Han Hou, Shih-Lung Cheng, Hao-Chien Wang, Chong-Jen Yu
- PA2381 IL-17RE/IL-17C mediate the recruitment of neutrophils during acute Streptococcus pneumoniae pneumonia**
Christoph Beisswenger (Homburg (Saar), Germany), Patrick Steck, Anja Honecker, Felix Ritzmann, Giovanna Vella, Christian Herr, Markus Bischoff, Timo Speer, Robert Bals
- PA2382 Characterization of the activity of the different oligomeric forms of pulmonary human surfactant protein SP-D**
Raquel Arroyo (Cincinnati, United States of America), Mercedes Echaide, Emma Batllori, Alberto Galindo, Fernando Moreno-Herrero, Jesús Pérez-Gil, Paul S. Kingma
- PA2383 Cellular response to influenza infection: Lymphopenia and a reduced lymphocyte/monocyte ratio**
Saleel Punnilath Abdulsamad (Telford, United Kingdom), Kiran Bhatia, Hadika Khalid, Annabel Makan, Emma Crawford, Nawaid Ahmad, Koottalai Srinivasan, Harmesh Moudgil
- PA2384 Bronchial Lavage Exosome miRNA Correlates to Metabolic Disturbance in Patients with Pulmonary Acinetobacter Baumannii Infection**
Jianqing She (Xi'an, China), Bo Zhou
- PA2385 BPI-fold containing Family A member 1 (Bpifa1) Role in IFN Driven Pulmonary Response**
Sara Khanal (new haven, United States of America), Naiqian Niu, Lokesh Sharma, Wei Liu, Lauren Cohn, Charles Dela Cruz, Clemente Britto
- PA2386 In silico investigation and comparative functional enrichment analysis of the human-respiratory syncytial virus (RSV) and the human-metapneumovirus (MPV) gene interaction networks.**
Erasmia Rouka (Larissa, Greece), Chrissi Hatzoglou, Konstantinos Gourgoulisanis, Sotirios Zarogiannis
- PA2387 Antibody epitope and mimotope prediction of the viroporins M2 of the Influenza A virus, E of the Human SARS coronavirus and SH of the Respiratory Syncytial virus.**
Erasmia Rouka (Larissa, Greece), Chrissi Hatzoglou, Konstantinos Gourgoulisanis, Sotirios Zarogiannis
- PA2388 LSC - 2019 - Interleukin-33: a double-edged sword in mast cell responses to rhinovirus infection**
Chiara Banas (Southampton (Hampshire), United Kingdom), Chiara Banas, Charlene Akoto, Donna Davies, Emily Swindle
- PA2389 Assessment of the phagocytic capability of sputum macrophages and neutrophils in COPD patients.**
Rosemary Gaskell (Manchester (Greater Manchester), United Kingdom), Simon Hall, Barbara Maschera, Ana Vitlic, Edith Hessel, Dave Singh, Simon Lea
- PA2390 Co-expression Networks Analysis in Patients with Asthma and Healthy Controls Challenged with Rhinovirus**
Anirban Sinha (Amsterdam, Netherlands), Xiao Yu, Rene Lutter, Urs Frey, Peter J. Sterk, M.D. De Jong, C Cristella
- PA2391 Differential roles of B and CD4/CD8 T cells in S. aureus-driven lung lymphoid neogenesis**
Lucile Regard (Paris, France), Clémence Martin, Hélène Lajoeste, Jean-Luc Teillaud, Sophie Siberil, Pierre-Régis Burgel
- PA2392 Tumour necrosis factor and signal transducer and activator of transcription 3 pathways; novel targets to treat severe influenza virus infection**
Pratikshya Pandey (New town, Australia), Andrew Flies, Bruce Lyons, Gunasegaran Karupiah
- PA2393 IL-17C associates with disease severity during acute exacerbation of chronic obstructive disease and promotes neutrophilic lung inflammation**
Christoph Beisswenger (Homburg (Saar), Germany), Giovanna Vella, Felix Ritzmann, Christian Herr, Lisa Wolf, Robert Bals
- PA2394 Alterations in sputum inflammatory markers during exacerbations for COPD patients with different stable state levels**
Ingvild Haaland (Bergen, Norway), Solveig Tangedal, Rune Nielsen, Marianne Aanerud, Per S. Bakke, Tomas M. Eagan

TP-08

Session 273

12:50 - 14:40

Thematic poster: Effects of environmental exposures in lung pathology and the underlying mechanisms

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)

Method(s) : Cell and molecular biology General respiratory patient care

Chairs : Mahyar Aghapour (Magdeburg, Germany), Tania Maes (Ghent, Belgium), Niki L. Reynaert (Maastricht, Netherlands), Aideen C. Allen (Toulouse, France)

- PA2395 Effect of Vaping on Airway Barrier Function: A Pilot Study**
Venkataramana Sidhaye (Baltimore, United States of America), Baishakhi Ghosh, Kristine Nishida, Lakshmana Chandrala
- PA2396 A protective effect of FAM13A in human bronchial epithelial cells upon exposure to cigarette smoke**
Qing Chen (Groningen, Netherlands), Qing Chen, Maaïke De Vries, Marike Boezen, Irene Heijink
- PA2397 Cigarette smoke induce Epithelial-Derived Inflammation through activating autophagy via RAGE signaling in bronchial epithelial cells.**
Ching-Hsiung Lin (Changhua City, Taiwan), Yi-Rong Li, Hsiu-Hui Chang, Yu-Yun Ching, Sheng-Hao Lin
- PA2398 Pro-inflammatory effects of exposure of the combination of silicon- and iron-containing particles upon human lung fibroblasts**
Brian Oliver (Camperdown (NSW), Australia), David van Reyk, Sarah Capistrano, Varsha Komalla, Mehra Haghi, Graeme Zosky
- PA2399 Notch-1 expression is increased by cigarette smoke exposure and its activation up-regulates ki67, PCNA proliferative markers and actin polymerizations in bronchial epithelial cells**
Elisabetta Pace (Palermo (PA), Italy), Caterina Di Sano, Claudia D'Anna, Maria Ferraro, Giuseppina Chiappara
- PA2400 Ablation of ADAM17 protects against cigarette smoke-induced emphysema in mice**
Shoji Suzuki (Tokyo, Japan), Makoto Ishii, Takanori Asakura, Ho Namkoong, Satoshi Okamori, Kazuma Yagi, Hirofumi Kamata, Tatsuya Kusumoto, Shizuko Kagawa, Ahmed Hegab, Keisuke Horiuchi, Naoki Hasegawa, Tomoko Betsuyaku
- PA2401 Calcium-sensing receptor (CaSR) antagonists (calcilytics) prevent urban particulate matter (UPM)-induced dendritic cell activation.**
Bethan Mansfield (Cardiff, United Kingdom), Tzer-Ren Ho, Ian Mudway, Christopher Corrigan, Jeremy Ward, Paul Kemp, Kier Lewis, Luis Mur, Catherine Hawrylowicz, Daniela Riccardi
- PA2402 Effects of hydrogen peroxide and butyrate on A549 cell viability and permeability.**
Nur Konyalilar (İstanbul, Turkey), Abdullah Burak Yıldız, Duygu Yazıcı, Hasan Bayram
- PA2403 Cigarette smoke extract induces barrier changes and senescence in primary bronchial epithelial cells**
Cecilia Forss (Mölnådal, Sweden), Alexander Vidal, Michael Hühn
- PA2404 Exposure to electronic cigarette vapour induces functional changes in neutrophils at a sub-cytotoxic dose.**
Alice Jasper (Birmingham, United Kingdom), Aaron Scott, David Thickett
- PA2405 LSC - 2019 - Effect of cigarette smoke on immunoproteasome function during virus infection**
Jie Chen (Changsha (Hunan), China), Jie Chen, Judith Brands, Marta Bueno, Heiko Adler, Ana Mora, Silke Meiners, Ilona Kammerl
- PA2406 Korean Red Ginseng inhibits diesel exhaust particles-induced MUC5AC/B expression and inflammation through suppressing TLR4 and NF- κ B signaling pathway in vitro and in vivo**
Yong-Dae Kim (Daegu, Republic of Korea), Soyoun Kwak, Hyung Gyun Na, Yoon Seok Choi, Chang Hoon Bae, Si-Youn Song
- PA2407 Effect of cigarette smoke extracts (CSE) and e-cigarette vapour extracts (ECVE) on the production of cytokines and chemokines in human airway smooth muscle cells (HASCs).**
A Alqarni (Nottingham, United Kingdom), Wael Alshehri, A Tatler, Mushabbab Alahmari, Abdulrhman Alghamdi, L Pang
- PA2408 LSC - 2019 - Relevant murine model to study the development of COPD pathogenesis in smokers with viral infections**
Martin Wolff (Stülfeld, Germany), Martin Wolff, Natalia El-Merhie, Sebastian Reuter, Torsten Goldmann, Ali Önder Yildirim, Heinz Fehrenbach, Susanne Krauss-Etschmann
- PA2409 Cigarette smoke extract inhibits the NLRP3 inflammasome in human macrophages and impairs cell metabolism via NLRP3-independent activation of Caspase-1**
Chiara Cipollina (Palermo (PA), Italy), Marco Buscetta, Serena Di Vincenzo, Elisabetta Pace
- PA2410 Cigarette smoke extract (CSE) reduces the anti-inflammatory effect of Fluticasone in human airway smooth muscle cells (HASCs)**
Abdulrhman Alghamdi (Nottingham, United Kingdom), Amanda Tatler, Abdullah Alqarni, Mushabab Alahmari, Wael Alshehri, Linhua Pang
- PA2411 Chaperone-mediated autophagy modulates epithelial cell apoptosis in COPD pathogenesis.**
Yusuke Hosaka (Tokyo, Japan), Jun Araya, Yu Fujita, Kazuya Tsubouchi, Shunsuke Minagawa, Hiromichi Hara, Takayuki Nakano, Akihiko Ito, Akihiro Ichikawa, Nayuta Saito, Tsukasa Kadota, Masahiro Yoshida, Mitsuo Hashimoto, Takanori Numata, Yumi Kaneko, Kazuyoshi Kuwano

PA2412 Disease specific upregulation of protein arginine methyltransferases in IPF
Christopher Lambers (Wien, Austria), Fang Lei, Michael Tamm, Konrad Hötzenecker, Peter Jaksch, Michael Roth

PA2413 Epigenetic-like regulation of signalling proteins in chronic obstructive pulmonary disease
Karosham (Diren) Reddy (Glebe, Australia), Razia Zakarya, Brian G. Oliver

TP-09

Session 274

12:50 - 14:40

Thematic poster: New mechanistic insights into pulmonary fibrosis

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#)

Method(s) : Pulmonary function testing Cell and molecular biology Imaging General respiratory patient care Respiratory intensive care Physiology

Chairs : Olivier Burgy (Dijon, France), Manuela Platé (London, United Kingdom), Louise Organ (Nottingham (Nottinghamshire), United Kingdom), Sara Rolandsson Enes (Burlington, United States of America)

PA2414 Neutrophil extracellular traps contribute to pulmonary fibrosis induced by bleomycin
Masaki Suzuki (Chiba, Japan), Jun Ikari, Rie Anazawa, Nozomi Tanaka, Yusuke Katsumata, Ayako Shimada, Eiko Suzuki, Koichiro Tatsumi

PA2415 SP-C deficiency causes early alveolar de-recruitment resulting in a combination of air spaces over-distension and spontaneous fibrotic remodeling in aging lungs
Elena Lopez Rodriguez (Hannover, Germany), Kirsten Sehlmeier, Jannik Ruwisch, Matthias Ochs, Lars Knudsen

PA2416 Electroporation-mediated HGF gene transfer increases mesenchymal stem cell and decreases MMP24 levels in a bleomycin-induced lung injury model.
Amiq Gazdhar (Bern, Switzerland), Kleanthis Fytianos, Sophia Pantasis, Sofia Mykoniati, Mattia Bordoli, Florent Batty, Katrin Hostettler, Thomas Geiser

PA2417 Biological- and imaging biomarkers of edema and fibrosis in a rat model of drug-induced interstitial lung disease (DIILD)
Irma Mahmutovic Persson (Lund, Sweden), Hanna Falk Håkansson, Anders Örbom, Per-Ola Önnervik, Janne Persson, Karin Von Wachenfeldt, Lars E. Olsson

PA2418 Use of Telemetry and Plethysmography to Assess Respiratory Function in Conscious Rats with Bleomycin-Induced Lung Fibrosis
Mary Mcelroy (Edinburgh (Edinburgh), United Kingdom), Carolyn Lam, Islay Cranston, James Baily, Philip Aston, Manasi Nandi, Aileen Milne

PA2419 Quantitation of hydroxyproline in a mouse model of bleomycin-induced lung fibrosis: comparison with histological analysis
Viola Bigatto (Verona, Italy), Elena Manni, Daniela Pompilio, Mariapia Brana', Anna Chalidou, Joachim Velden, Mauro Corsi, Vince Russell, Filippo Andreatta

PA2420 Automated histological image analysis for the assessment of bleomycin-induced pulmonary fibrosis in rodents
Silvia Pontis (Parma, Italy), Fabio Bignami, Daniela Miglietta, Vanessa Pitozzi, Paola Caruso, Maria Gloria Pittelli, Martina Bonatti, Gino Villetti, Maurizio Civelli, Marcello Trevisani

PA2421 An orally available, highly selective 5-hydroxytryptamine 2B (5-HT2B) receptor antagonist ameliorating pulmonary and dermal fibrosis
Christina Wenglén (Lund, Sweden), Helena Arozenius, Lars Pettersson, Gunilla Ekstrom

PA2422 Understanding of Pharmacokinetics and Exposure Drives use of Nintedanib as a Positive Control Reference Item in a Rat Model of Bleomycin-Induced Fibrosis
Mary Mcelroy (Edinburgh (Edinburgh), United Kingdom), James Baily, Oriol Peris Serrano, Angela Marsden, Mike Briggs, Iain Love, Stephen Madden, Senthil Gandhi, Mark Whitmarsh, Alan Young

PA2423 Fibroblast activation triggered by LPA results in matrix synthesis/fibrogenesis different from that of TGF-β1
Jannie Sand (Herlev, Denmark), Natasja Gudmann, Yi Luo, Glenda Trujillo, Brian J. Murphy, Peter T. Cheng, Morten A. Karsdal, Mette J. Nielsen, Diana J. Leeming, Gabor Jarai

PA2424 Hypoxia-inducible factor pathway activation promotes bone-type collagen cross-linking in Idiopathic Pulmonary Fibrosis
Christopher J Brereton (Southampton, United Kingdom), Liudi Yao, Joseph Bell, Franco Conforti, Aiman Alzetani, Aurelie Fabre, Ben G Marshall, Luca Richeldi, Donna E Davies, Yihua Wang, Mark G Jones

PA2425 Erythropoietin (EPO) attenuates the immunohistochemical expression of autophagy antibodies in bleomycin (BLM), induced pulmonary fibrosis (PF) in rats
Drosos Tsavlis (Thessaloniki, Greece), Doxakis Anestakis, Polyanthi Konstantinidou, Konstantina Symeonidou, Dimitrios Koutsonikolas, Anna Tzoumaka, Evangelia Spandou

- PA2426** **PAR-2 mediated interactions between mast cells and fibroblasts cause a switch in fibroblast morphology and cytokine profile**
Anna-Karin Larsson-Callerfelt (Lund, Sweden), Mariam Bagher, Oskar Rosmark, Linda Elowsson Rendin, Annika Nybom, Sebastian Wasserström, Catharina Müller, Oskar Hallgren, Leif Bjermer, Gunilla Westergren-Thorsson
- PA2427** **Deletion of Activated Leukocyte Cell Adhesion Molecule (ALCAM/CD166) Aggravates Pulmonary Fibrosis**
Mi Na Kim (Seoul, Republic of Korea), Jung Yeon Hong, Eun Ji Kwak, Eun Gyul Kim, Kyung Won Kim, Myung Hyun Sohn
- PA2428** **Elevated serum S100A4 levels in patients with silicosis**
Guo lingli (Tangshan, China), Heliang Liu, Xiaohui Hao
- PA2429** **Investigating the role of AKAP13 on epithelial cell TGF β activation**
Louise Organ (Nottingham (Nottinghamshire), United Kingdom), Joanne Porte, Alison John, Gisli Jenkins
- PA2430** **The epigenetic modulator 5-aza-2'-deoxycytidine reduces the fibrotic response of human lung fibroblasts to TGF β 1 in a novel, long term, 3D cell culture system.**
Mark Ward (BRAY, Ireland), David E. Smart, James Roberts, Phillip Monk, Donna E. Davies, Mark G. Jones, Katherine M. A. O'Reilly, John Andrew Baugh
- PA2431** **Targeting the Hippo signaling pathway to enhance ex vivo lung epithelial tissue regeneration and maturation**
Daniel Gorman (Boston, United States of America), Tong Wu, Harald Ott, Sarah Gilpin
- PA2432** **Role of IL23 in the development of fibrotic interstitial lung disease**
Jessica Lau (Rochester, United States of America), Shaohua Wang, John Davis, Eric Matteson, Robert Vassallo

TP-10

Session 275

12:50 - 14:40

Thematic poster: Involvement of the environment and inflammation in pulmonary remodelling

Disease(s) : [Airway diseases](#) [Respiratory critical care](#) [Interstitial lung diseases](#) [Pulmonary vascular diseases](#)

Method(s) : Physiology Cell and molecular biology Imaging Pulmonary rehabilitation

Chairs : Ken Bracke (Ghent, Belgium), Rita Costa (München, Germany), H. Irene Heijink (Groningen, Netherlands), Natalia El-Merhie (Borstel, Germany)

- PA2433** **Early detection of skeletal muscle bioenergetic deficit by non invasive 31-phosphorus magnetic resonance spectroscopy in mice exposed to cigarette smoke**
Sandra Pérez Rial (Madrid, Spain), Esther Barreiro Portela, María Jesús Fernández Aceñero, María Encarnación Fernández Valle, Nicolás González Mangado, Germán Peces-Barba Romero
- PA2434** **Coix lacryma-jobi L. var. ma-yuen Stapf sprout extract (CLSE) protects against cigarette smoke-induced lung inflammation in rats**
Jeong-Woong Park (Incheon, Republic of Korea), Eun Suk Son, Young Eun Lee, Se-Hee Kim, Sung Hwan Jeong
- PA2435** **Molecular mechanisms involved in the therapeutic action of the stimulation of soluble guanylate cyclase (sGC) in an experimental model of guinea pig exposed to cigarette smoke**
Victor I. Peinado (Barcelona, Spain), Daniel Aguilar, Tanja Paul, Isabel Blanco, Olga Tura-Ceide, Joan A. Barberà
- PA2436** **Comparisons on mitochondrial function following exposure of cigarette smoke extract and fine particulate matter in human bronchial epithelial cells**
Yingmin Liang (Hong Kong, Hong Kong), Linwei Tian, Kin-Fat Ho, Mary Sau-Man Ip, Judith Choi-Wo Mak
- PA2437** **Cigarette smoke and diesel particles repress functional responses in lung epithelial progenitors**
Xinhui Wu (Groningen, Netherlands), Sophie Bos, Martina Schmidt, Loes Kistemaker, Reinoud Gosens
- PA2438** **The effect of PM2.5 upon inflammatory damage and expression of PD-L1 in COPD mice models**
Tiangang Ma (Changchun, China), Tiangang Ma, Yanbing Hu, Yuxin Hu
- PA2439** **Autophagic and apoptotic changes in macrophages in response to graphene oxides with or without chemical modification**
JongWook Shin (Seoul, Republic of Korea), Ho Jeong Kim, Byoung Whui Choi, In Won Park
- PA2440** **Inflammatory and antioxidant effects of inhaled nanoparticles on human primary bronchial epithelial cells**
Gabriel Stoleriu (Munich, Germany), Carola Voss, Andrea Schamberger, Michael Gerckens, Gerald Burgstaller, Yaobo Ding, Rudolf Hatz, Juergen Behr, Michael Lindner, Otmar Schmid, Tobias Stoecker, Anne Hilgendorff
- PA2441** **Multi-walled carbon nanotubes elicit sustained pulmonary remodelling depending on gender rather than a functional Nrf2 status**
Agnes W. Boots (Maastricht, Netherlands), Catrin Albrecht, Frederik-Jan Van Schooten, Roel P.F. Schins

- PA2442 Patients with idiopathic pulmonary fibrosis and chronic obstructive lung disease leak inhaled nanoparticles to the blood.**
Mikaela Qvarfordt (Huddinge, Sweden), Alejandro Sanchez-Crespo, Martin Anderson, Maria Diakopoulou, Magnus Svartengren
- PA2443 Copper and zinc in exhaled breath condensate of emphysema patients**
Bart De Brouwer (Nijmegen, Netherlands), Henny Van Daal, Karin Hoppenbrouwers, Britt Hulsen, Rob Janssen
- PA2444 Electronic cigarette liquids show toxic effects in vitro and in vivo**
Aleksandra Divac Rankov (Beograd, Republic of Serbia), Mila Ljubic, Natasa Vignjevic
- PA2445 Effect of Hypertonic Saline Solution on different models of respiratory epithelium inflammation**
Gabriela Andrada (Buenos Aires, Argentina), andrea vanesa dugour, Juan Manuel Figueroa
- PA2446 Snake Envenomation by Crotalus durissus terrificus Induces Acute Lung Injury Involving the Activation of Epithelial Cells**
Rodolfo De Paula Vieira (Sao Jose Dos Campos (SP), Brazil), Márcio V Ferreira, Luis Vicente F Oliveira, Stella R Zamuner, Manoel C Oliveira-Junior, Paula N Nonaka, Camila A A Da Silva, Luane D Nogueira, Marcellly S Matias, Ronaldo A Silva, Celso R F Carvalho, José C Cogo
- PA2448 Hyperhomocysteinemia promotes pulmonary emphysema in murine model of COPD**
Hiroshi Nakano (Fukuoka City, Japan), Sumito Inoue, Hiroyoshi Machida, Kento Sato, Masamichi Sato, Yoshikane Tokairin, Akira Igarashi, Masafumi Watanabe, Yoko Shibata
- PA2449 The new-defined mesenchymal stromal/stem cell marker has a protective role in the development of acute lung injury.**
Yoshio Nakahara (Nagoya, Japan), Naozumi Hashimoto, Koji Sakamoto, Akira Ando, Masahide Inoue, Atsushi Suzuki, Atsushi Enomoto, Yoshinori Hasegawa
- PA2450 Angiotensin-(1-7) therapy attenuates pulmonary emphysema and sickness behavior induced by elastase in a murine model**
Aline Cândida Bastos (Pedro Leopoldo, Brazil), Giselle Magalhães, Juliana Gregorio, Natália Matos, Frank Bezerra, Luciola Barcelos, Robson Santos, Maria Jose Campagnole-Santos, Maria Gloria Rodrigues-Machado
- PA2451 Inflammation and remodeling modulated by anti IL17 in model of lung injury induced by elastase in mice**
Edna Leick (Praia Grande, Brazil), Silvia Fukuzaki, Renato F. Righetti, Tabata M. Santos, Leandro N. Camargo, Aurelio C. Garrido, Luciana R.C.R.B. Aristóteles, Flavia C.R. Souza, Beatriz M. Saraiva-Romanholo, Carla M. Prado, Milton A. Martins, Iolanda F.L.C. Tiberio
- PA2452 Role of probiotics Bifidobacterium breve and Lactobacillus rhamnosus on lung inflammation and airway remodeling in an experimental model of chronic obstructive pulmonary disease.**
Flavio Aimbire (São José dos Campos (SP), Brazil), Jorge Luis Carvalho, Ana Karolina Fialho, Munique Miranda, Regiane Albertini, Alexandre Keller

TP-11

Session 276

12:50 - 14:40

Thematic poster: COPD treatment: cardiovascular, oxygen and vaccination studies

Disease(s) : [Airway diseases](#) [Respiratory critical care](#) [Sleep and breathing disorders](#) [Interstitial lung diseases](#)

Method(s) : Palliative care Epidemiology Public health General respiratory patient care Physiology Pulmonary rehabilitation Pulmonary function testing Cell and molecular biology

Chairs : Arshang Valipour (Wien, Austria), Lowie G.W. Vanfleteren (Gothenburg, Sweden), Vasileios Andrianopoulos (Athens, Greece), John R Hurst (London, United Kingdom)

- PA2453 Acute effects of nasal high-flow during exercise in COPD patients after an exacerbation : a randomized controlled cross-over trial**
Guillaume Prieur (Le Havre, France), Clement Medrinal, Yann Combret, Elise Dupuis Lozeron, Tristan Bonnevie, Francis Edouard Gravier, Jean Quieffin, Bouchra Lamia, Jean Christian Borel, Gregory Reyckler
- PA2454 Application of new home oxygen therapy strategy for COPD patient in Korea : a pilot study**
Ki-Suck Jung (Anyang-si Gyeonggi-do, Republic of Korea), YONG IL HWANG, Seung Hun Jang, Seong Yong Lim, Kwang Ha Yoo, Chin Kook Rhee, Kyung Hoon Min, Hye Yun Park, Yee Hyung Kim
- PA2455 Domiciliary high-flow in patients with severe COPD and chronic hypoxic failure: In whom can we reduce exacerbations.**
Ulla Møller Weinreich (Ålborg, Denmark), Line Hust Storgaard
- PA2456 A patient's perspective: The use of Oxygen Alert Wrist Bands (OxyBands) in COPD**
Emma Rickards (St Helens (Merseyside), United Kingdom), Eliza Mooney, Nikki Glover, Onnor Hampson, Dennis Wat, Sarah Sibley

- PA2457 Performance of contemporary Portable Oxygen Concentrators across diverse breathing behaviours – A bench comparison**
Dion Martin (Sydney (NSW), Australia), Ciara O' Dwyer
- PA2458 The effectiveness of PaCO₂-pH coordinate plane to predict prognosis in patients with chronic respiratory failure receiving long-term oxygen therapy.**
Tomomasa Tsuboi (Joyo, Japan), Takefumi Saito, Shohei Takata, Tetsuro Ohdaira, Shuichi Yano, Tetsuji Kawamura, Toru Yamanaka, Masahiro Abe, Kensuke Sumi, Atsuo Sato
- PA2459 Betablocker therapy and risk of chronic obstructive pulmonary disease – a Danish nationwide study of 1.4 million individuals**
Anne Orholm Nielsen (Hillerød, Denmark), Lars Pedersen, Birgitte Fischer Sode, Morten Dahl
- PA2460 Clinical characteristics of COPD patients suspected of left ventricular diastolic dysfunction**
Sung Kyung Kim (Suwon, Republic of Korea), Seung Hoon Kim, Shin Young Kim, So Hyang Song, Chi Hong Kim
- PA2461 Study Of Risk Factors For Arrhythmias Among Chronic Obstructive Pulmonary Disease Patients Having Ischaemic Heart Disease.**
Saadia Ashraf (Peshawar, Pakistan), Amber Ashraf
- PA2462 SALBUTAMOL AND IPRATROPIUM BROMIDE ARE HIGH RISK FACTORS FOR ATRIAL ARRHYTHMIAS IN PATIENTS WITH COPD AND CVS DISEASES.**
Rahul Sethi (Ejmiacin, Armenia), Hasmik Zakharyan, Armen Muradyan
- PA2463 Effects of tiotropium bromide and fluticasone propionate/salmeterol on myocardial ischemia in patients (pts) with COPD and stable angina during 24-hour ambulatory Holter ECG monitoring**
Kseniia Bielosludtseva (Dnepropetrovsk, Ukraine), Oleksandr Fesenko, Kateryna Bohatska
- PA2464 Pulmonary haemodynamic disorders in chronic obstructive pulmonary disease**
Valentin Calancea (Chisinau, Codru, Republic of Moldova), Eudochia Terna, Tatiana Dumitras, Doina Barba, Irina Cosciug, Sergiu Matcovschi
- PA2465 Predictors of arrhythmias in patients with chronic obstructive pulmonary disease (COPD).**
Elena Klester (Barnaul (Altai Region), Russian Federation), Karolina Klester, Aleksandra Balitskaya, Valeriy Elykomov, Maria Nikolaeva, Irina Sheremetyeva
- PA2466 IMPACT OF CHRONIC ANEMIA ON THE EVOLUTION OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE EXACERBATION (COPDE)**
Emna Ben Jemia (Tunis, Tunisia), Ines Zendah, Chirine Moussa, Hamida Kwass, Habib Ghedira
- PA2467 Analysis of efficiency of joint or consistent vaccination with pneumococcal and influenzal vaccines in patients with chronic obstructive pulmonary disease**
Galina Ignatova (Chelyabinsk, Russian Federation), Galina Ignatova, Elena Blinova, Irina Grebneva, Olga Rodionova
- PA2468 Evaluation in administration of angiotensin II receptor antagonist Valsartan in the treatment of hypertension patients with chronic obstructive pulmonary disease.**
Valentin Calancea (Chisinau, Codru, Republic of Moldova), Nelea Ghicavii, Anatol Cretu, Natalia Antonova, Stela Oprea, Sergiu Matcovschi
- PA2469 Effects of Valsartan on pulmonary hemodynamics in patients with chronic obstructive pulmonary disease (COPD) and secondary pulmonary hypertension**
Valentin Calancea (Chisinau, Codru, Republic of Moldova), Tatiana Dumitras, Nelea Ghicavii, Doina Barba, Diana Fetco-Mereuta, Sergiu Matcovschi
- PA2470 Late Breaking Abstract - The cost, health resources utilization and medications in chronic obstructive pulmonary patients with diabetes mellitus: a population-based cohort study in Taiwan.**
Hungchen Chen (Kaohsiung city, Taiwan), Wen-Feng Fang, Yu-Mu Chen, Chiung-Yu Lin, Meng-Chih Lin
- PA2471 Late Breaking Abstract - Anti-inflammatory activity of novel transtilbene sulfonamide analogues as potential novel therapeutic agents for inflammatory lung disease**
Rhamiya Mahendran (London, United Kingdom), Paul Bassin, Mike Cook, Sharon Rossiter, Abigail Martin, Victoria Hutter

TP-12

Session 277

12:50 - 14:40

Thematic poster: COPD clinical trials: inhaled and oral therapies

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Cell and molecular biology Imaging Pulmonary function testing

Chairs : Henrik Watz (Großhansdorf, Germany), David M. G. Halpin (Devon, United Kingdom), Gaetano Caramori (Messina (ME), Italy), Alice Turner (Birmingham (West Midlands), United Kingdom)

- PA2472** **The safety of LAMA/LABA combination therapy for the ocular and urinary adverse effects in the COPD patients**
kengo ohtsuka (tokyo, Japan), Chihiro Maeda, Yoko Shinka, Tarou Takahashi, Naoko Harada, Megumi Yagihashi, Jyunichi Fujitake, Takeshi Udagawa, Naoki Miyao
-
- PA2473** **Improving COPD symptoms with umeclidinium/vilanterol and impact of baseline disease severity: the EMAX trial**
François Maltais (Québec (QC), Canada), Claus F. Vogelmeier, Isabelle H. Boucot, Leif Bjermer, Edward M. Kerwin, Ian P. Naya, Lee Tombs, Chris Compton, David A. Lipson, Paul Jones
-
- PA2474** **Improving daily COPD symptoms, as measured using the E-RS, with umeclidinium/vilanterol versus monotherapy: the EMAX trial**
Paul Jones (London, United Kingdom), Leif Bjermer, Claus F Vogelmeier, François Maltais, Ian P Naya, Lee Tombs, Isabelle Boucot, Tom Keeley, David Lipson, Chris Compton, Edward M Kerwin
-
- PA2475** **Umeclidinium/vilanterol in preventing clinically important deterioration (CID) in COPD and impact of baseline disease severity: the EMAX trial**
Claus Vogelmeier (Marburg, Germany), Ian P. Naya, Lee Tombs, Edward M. Kerwin, Leif Bjermer, Isabelle H. Boucot, Paul Jones, David A. Lipson, Chris Compton, François Maltais
-
- PA2476** **Comparison of efficacy and safety of twice-daily Glycopyrronium/Formoterol combination with once-daily Glycopyrronium in patients with moderate to severe COPD**
Sundeep Santosh Salvi (Pune (Maharashtra), India), Anand Kumar, Sumit Agrawal, Amrutlal Leuva, Vineet Shukla, Shrikant Deshpande, Santhalingum Balamurugan, Ajeet Singh, Sharad Tikkiwal, Sandeep Gupta, Sandesh Sawant, Abhijit Vaidya, Jaideep Gogtay
-
- PA2477** **Symptom improvement over time with umeclidinium/vilanterol versus monotherapy: a post-hoc analysis of the EMAX trial**
Edward Kerwin (Medford, United States of America), Claus F. Vogelmeier, François Maltais, Isabelle H. Boucot, Lee Tombs, Ian P. Naya, Paul Jones, Tom Keeley, David A. Lipson, Chris Compton, Leif Bjermer
-
- PA2478** **Clinical Assessment of Glycopyrronium in COPD phenotypes and ACOS: Prospective, case control, observational study**
Krishnaprasad Korukonda (Mumbai (Maharashtra), India), Pralhad Prabhudesai, Bhattacharya Parthasarathi, Bhanupratap Singh, Subodh Katiyar
-
- PA2479** **Effects of different classes of bronchodilators on pulmonary hemodynamics in patients with chronic obstructive pulmonary disease>**
Valentin Calancea (Chisinau, Codru, Republic of Moldova), Eudochia Terna, Tatiana Dumitras, Nelea Ghicavii, Ana Popescu, Doina Baba, Sergiu Matcovschi
-
- PA2480** **COPD: Comparison of bronchodilator responsiveness with glycopyrronium and salbutamol**
Parthasarath Bhattacharyya (Kolkata (West Bengal), India), Sanjukta Dasgupta, Sayoni Sengupta, Dipanjan Saha, Debkanya Dey, Mintu Pal
-
- PA2481** **Analysis of exacerbation rates by time interval post-randomization in the KRONOS Phase III study of budesonide/glycopyrronium/formoterol fumarate metered dose inhaler (BGF MDI)**
Klaus F. Rabe (Kiel, Germany), Leonardo M. Fabbri, Fernando J. Martinez, Gary T. Ferguson, Eric Bourne, Shaila Ballal, Patrick Darken, Kiernan Deangelis, Magnus Aurivillius, Colin Reisner, Paul Dorinsky
-
- PA2482** **The IMPACT Trial: Single Inhaler Triple Therapy vs dual therapies: Efficacy across multiple COPD endpoints over time**
David A Lipson (Wynnewood, United States of America), Gerard Criner, Mark Dransfield, David Halpin, Meilan Han, C. Elaine Jones, Sally Kilbride, Peter Lange, David Lomas, Fernando Martinez, Holly Quasny, David Singh, Robert Wise
-
- PA2483** **The IMPACT Trial: Single Inhaler Triple Therapy vs dual therapies: Consistent benefit across multiple exacerbation endpoints**
MeiLan K. Han (Ann Arbor, United States of America), Gerard Criner, Mark Dransfield, David Halpin, C. Elaine Jones, Sally Kilbride, Peter Lange, David Lomas, Fernando Martinez, Holly Quasny, David Singh, Robert Wise, David Lipson
-
- PA2484** **Estimated lifetime effectiveness of triple therapy with budesonide/glycopyrrolate/formoterol fumarate metered dose inhaler (BGF MDI) versus dual LAMA/LABA and ICS/LABA therapies in moderate-to-very severe COPD**
Enrico de Nigris (Cambridge, United Kingdom), Maria Polyzoi, Catrin Treharne, Charles Mccrea, Sophie Arnetorp, Ulf Holmgren, Paul Miller, Precil Varghese, John Haughney
-
- PA2485** **Efficacy of revefenacin based on GOLD 2017 categories: reanalysis of phase 3 data in patients with COPD**
Gary T. Ferguson (Farmington Hills, United States of America), Chris N. Barnes, Glenn Crater
-
- PA2486** **Effect of azithromycin treatment on inflammation in COPD patients**
Rassin Lababidi (Oxford, United Kingdom), Samantha Thulborn, Jennifer Cane, Jodie Simpson, Mona Bafadhel

- PA2487 Carbocisteine in vivo reduces circulating miR-21 and IL-8 in exacerbated COPD patients**
Maria Ferraro (Palermo (PA), Italy), Serena Di Vincenzo, Salvatore Bucchieri, Paola Dino, Maria Stefania Leto Barone, Sebastiano Gangemi, Federico Saibene, Luigi Lanata, Elisabetta Pace
- PA2488 Application of erdosteine in the treatment of occupational chronic obstructive pulmonary disease**
Kateryna Gashynova (Dnipro, Ukraine), Olha Boiko, Viktoriya Rodionova
- PA2489 Late Breaking Abstract - The efficacy of roflumilast in the treatment of COPD(stage B).**
Irina Khachatryan (Yerevan, Armenia), Mikayel Narimanyan
- PA2490 Late Breaking Abstract - Indacaterol/glycopyrronium versus salmeterol/fluticasone in chronic obstructive pulmonary disease: a meta-analysis on the protection against the risk of exacerbation**
Ornella Bonavita (Origgio (VA), Italy), Vincenza Vinaccia, Paolo Morini
- PA2491 Late Breaking Abstract - Tiotropium/olodaterol improves pulmonary function in patients with treatment naive COPD**
Koichiro Takahashi (Saga, Japan), Masaru Uchida, Go Kato, Ayako Takamori, Hironori Sadamatsu, Masahide Tanaka, Ryo Tajiri, Takashi Kinoshita, Keisuke Kojima, Makoto Yoshida, Hiroki Tashiro, Shinichiro Hayashi, Atsushi Kawaguchi, Naoko Sueoka-Aragane, Tomotaka Kawayama

TP-13

Session 278

12:50 - 14:40

Thematic poster: COPD treatment: cohorts and real-world studies

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Pulmonary function testing Epidemiology Public health Pulmonary rehabilitation

Chairs : Andrew Ritchie (London, United Kingdom), Lies Lahousse (Ghent, Belgium), Neil Greening (Leicester (Leicestershire), United Kingdom), Chin Kook Rhee (Seoul, Republic of Korea)

- PA2492 Real-world medication use patterns in stable COPD patients from Romania**
Florin Dumitru Mihaltan (Bucuresti, Romania), Paraschiva Postolache, Oana Cristina Arghir, Ovidiu Fira-Mladinescu, Alecu Silviu
- PA2493 COPD characteristics and progression of patients with high vs low health status: an analysis of the observational DACCORD study**
Heinrich Worth (Fürth, Germany), Carl-Peter Criée, Peter Kardos, Victoria Obermoser, Korbinian Berschneider, Roland Buhl, Claus F. Vogelmeier
- PA2494 The frequent exacerbator in real-life: an analysis of the DACCORD study**
Claus Vogelmeier (Marburg, Germany), Carl-Peter Criée, Heinrich Worth, Victoria Obermoser, Korbinian Berschneider, Peter Kardos, Roland Buhl
- PA2495 Different methods to classify COPD patients into the ABCD severity groups – Preliminary results of the LQ-DMP project**
Larissa Schwarzkopf (Neuherberg, Germany), Boglárka Szentes, Florian Kirsch, Manuel Huber, Anja Schramm, Reiner Leidl
- PA2496 Health care resource utilization (HCRU) in early and late diagnosed Chronic Obstructive Pulmonary Disease (COPD) patients in UK primary care**
Konstantinos Kostikas (Ioannina, Greece), Emil Loeffroth, Robert Fogel, Andreas Clemens, Florian Gutzwiller, Ioannis Kottakis, Bethan Jones, Hui Cao
- PA2497 Clinical consequences of late Chronic Obstructive Pulmonary Disease (COPD) diagnosis compared to early diagnosis in UK primary care**
Konstantinos Kostikas (Ioannina, Greece), Emil Loeffroth, Robert Fogel, Andreas Clemens, Florian Gutzwiller, Ioannis Kottakis, Bethan Jones, Hui Cao
- PA2498 Impact of halotherapy on COPD exacerbations**
Radu Adrian Crisan-Dabija (Iasi (Iasi), Romania), Victorita Mihaela Sandu, Traian Mihaescu, Dumitru Filipeanu, Andrei Cernomaz
- PA2499 Are COPD patients taking triple combination inhalers being overmedicated during acute exacerbations?**
Angela Moran (Christchurch, New Zealand), Sarah Poole, Maxine Harding, Mona Bafadhel
- PA2500 Retrospective study on the use of LABA/LAMA therapy (long acting bronchodilator agent/long acting muscarinic agent) in patients with severe COPD at first diagnosis.**
Francesco Bini (Pavia (PV), Italy), Noemi Grassi, Angelo De Lauretis, Bruno Bodini, Cristina Arosio, Adriano Vaghi

- PA2501 An integrated care intervention (ICI) reduces readmissions after a hospitalization for acute exacerbation of COPD**
Maurizio Moretti (Modena (MO), Italy), Sara Balestracci, Manuela Latorre, Anna Porcu, David Mignani, Fabiola Magnani, Alberto Rocchi, Liliana Villari, Biagio Marsiglia
- PA2502 Data-driven prescription patterns in patients under maintenance treatment for respiratory diseases from the Portuguese prescription database**
Ana Sá-Sousa (Porto, Portugal), Rita Amaral, Rute Almeida, Alberto Freitas, João A Fonseca
- PA2503 Patient pathway modelling using Discrete Event Simulation to reduce readmissions in COPD**
Usame Yakutcan (London, United Kingdom), Eren Demir, John R Hurst, Paul Taylor
- PA2504 Use of Principal Component and Cluster Analysis to Describe Phenotypes in COPD.**
Halehsadat Nekoe Zahraei (Liege, Belgium), Françoise Guissard, Virginie Paulus, Monique Henket, Anne-Francoise Donneau, Renaud Louis
- PA2505 The impact and quality outcomes of a community based COPD annual review service**
Emma Rickards (St Helens (Merseyside), United Kingdom), Djeyapraba Kadar, Sarah Sibley, Dennis Wat, Elaine Gossage
- PA2506 Recent trends in inhaled corticosteroid prescriptions and its impact on COPD management: an analysis of the KOLD/KOCOSS cohorts**
Se Hee Lee (Seoul, Republic of Korea), Ji-Hyun Lee, Ho Il Yoon, Hye Yun Park, Tae-Hyung Kim, Kwang Ha Yoo, Yeon-Mok Oh, Ki Suk Jung, Sang-Do Lee, Sei Won Lee
- PA2507 Risk of bacterial infection in COPD patients with Vitamin D deficiency**
Ravi Shekhar Jha (Gurgaon (Haryana), India)
- PA2508 Real World Effects of Medications for COPD - a UK Population-Based Non-Interventional Cohort Study With Validation Against Randomised Trial Results**
Jennifer Quint (Wimbledon, United Kingdom), Kevin Wing, Elizabeth Williamson, James Carpenter, Lesley Wise, Sebastian Schneeweiss, Liam Smeeth, Ian Douglas
- PA2509 Treatment patterns in stable COPD patients – results from a large observational European study (SPACE)**
Yochai Adir (Haifa, Israel), Andreas Horner, Geeuwke Jan De Vries, Florin Mihaltan, Yunqin Chen, Silviu Alecu, Lukasz Adamek
- PA2510 Clinical control of COPD according to outpatient respiratory clinics: general versus specialized COPD**
Gianna Vargas Centanaro (Madrid, Spain), Myriam Calle Rubio, Elena Forcen Vicente De Vera, Guillermo Rubio De La Garza, Ana Palomar Santamaria, Fernando Pelaez Castro, Soha Smaili, Andrea Albuja, Juan Luis Rodriguez Hermosa
- PA2511 Late Breaking Abstract - Assessment of physical functioning and handling with Tiotropium/Olodaterol (T/O) in patients with COPD requiring long-acting dual bronchodilation in an Italian cohort of patients.**
Carla Scognamillo (Milano (MI), Italy), Alfio Pennisi, Mauro Carone, Mariella D'Amato, Alfeo Fiore Donati, Valeria Ronsivalle, Maria Aliani, Li Chun, Girolamo Pelaia

TP-14

Session 279

12:50 - 14:40

Thematic poster: Real-world experience of monoclonal antibodies in asthma**Disease(s) :** [Airway diseases](#) [Respiratory critical care](#)**Method(s) :** General respiratory patient care Pulmonary function testing Physiology Epidemiology Imaging**Chairs :** Imran Satia (Hamilton (ON), Canada), Celeste Michala Porsbjerg (Copenhagen, Denmark), Amelia Licari (Pavia (PV), Italy), Adel Mansur (Birmingham (West Midlands), United Kingdom)

- PA2512 Prevalence of adrenal insufficiency in patients started on Mepolizumab for severe eosinophilic asthma.**
Lynn Elsey (Hale, United Kingdom), Gael Tavernier, Nusrat Bhola, Leanne Holmes, David Allen, Robert Niven
- PA2513 Evaluation of the steroid sparing effects of Mepolizumab using the Glucocorticoid Toxicity Index**
Pamela Jane McDowell (Bangor (Co. Down), United Kingdom), John Stone, Kirsty Honeyford, Louise Dunn, R Jayne Logan, Claire A Butler, Liam Heaney
- PA2514 Analysis of two-year treatment with omalizumab patients with severe asthma in real clinical practice**
Elena Blinova (Chelyabinsk (Chelyabinsk Oblast), Russian Federation), Galina Ignatova
- PA2515 Treatment eligibility of mepolizumab-treated severe asthma patients in clinical practice**
L.B. Richards (Amsterdam, Netherlands), J.J.M.H. Van Bragt, R Aarab, J.K. Sont, E.J.M. Weersink, G.J. Braunstahl, A. Ten Brinke, E.H.D. Bel, A.H. Maitland-Van Der Zee
- PA2516 Real-life treatment of severe eosinophilic asthma with mepolizumab**
Corrado Pelaia (Catanzaro (CZ), Italy), Maria Teresa Busceti, Sabina Solinas, Rosa Terracciano, Girolamo Pelaia

- PA2517 Real-world effectiveness of reslizumab for severe eosinophilic asthma (SEA)**
Abirami Subramaniam (Dublin, Ireland), Emma Mulligan, Stephen Lane
-
- PA2518 Mepolizumab self-administration via autoinjector and prefilled syringe: the qualitative patient experience**
Shibing Yang (Royersford, United States of America), Lee Evitt, Richard Follows, Will Williams, Huda Shalhoub, Michael Celone, Robyn Von Maltzahn
-
- PA2519 Safety of Mepolizumab for severe eosinophilic refractory asthma in a single-center cohort including a patient with echinococcus hepatic cyst and a patient with lung cancer . A single center one year follow up.**
Carlo Barbetta (Ferrara (FE), Italy), Mariaelisabetta Conte, Francesca Zampieri, Claudia Rinaldo, Piera Peditto, Mario Tamburrini, Umberto Zuccon, Angelo Scarda, Caterina Baghiris, Francesca Buzzulini, Danilo Raffaele Villalta, Francesco Mazza
-
- PA2520 Experience with Mepolizumab in a cohort of patients with eosinophilic severe persistent asthma**
Marta Erro Iribarren (Madrid, Spain), Carolina Cisneros Serrano, Carmen María Acosta Gutiérrez, Ana Roca Noval, Ana Martínez Meca, Elena García Castillo, Marta Hernández Olivo, Joan B Soriano, Julio Ancochea Bermúdez
-
- PA2521 Omalizumab in severe asthma: real life study**
Margarida Costa e Silva (Vila do Conde, Portugal), Inês Sucena, Inês Ladeira, Inês Franco, Ivone Pascoal, Aurora Carvalho, Ricardo Lima
-
- PA2522 Self-administration of mepolizumab via an autoinjector: the patient experience**
Richard Follows (Uxbridge (Middlesex), United Kingdom), Lee Evitt, Jane Bentley, Will Williams, Robyn Von Maltzahn
-
- PA2523 Efficacy and safety of Mepolizumab in a real world severe asthma cohort.**
Anilkumar Pillai (Birmingham (West Midlands), United Kingdom), verity Mitchell, Katie Howles, Lisa White, Adel Mansur
-
- PA2524 Real life experience with omalizumab and mepolizumab in severe asthma : do patient baseline features preclude effectiveness comparison ?**
An Frix (Liege, Belgium), Florence Schleich, Virginie Paulus, Monique Henket, Françoise Guissard, Renaud Louis
-
- PA2525 Adherence to omalizumab: a “real-life” study**
Raffaele Campisi (Portopalo (SR), Italy), Claudia Crimi, Alberto Noto, Maria Pia Foschino, Giuseppe Valenti, Vittorio Viviano, Corrado Pelaia, Luisa Ricciardi, Nicola Scichilone, Nunzio Crimi
-
- PA2526 Does adherence to ICS/LABA therapy affect response to mepolizumab in the treatment of severe asthma?**
Grainne d'Ancona (London, United Kingdom), Linda Green, Mariana Fernandes, Cris Roxas, Leyla Osman, Kirsten Stewart-Knight, Joanna Kavanagh, Alexandra Nanzer-Kelly, David Jackson, Brian Kent
-
- PA2527 Real-world oral glucocorticoid-sparing effect of benralizumab in severe asthma**
David Jackson (London, United Kingdom), Cris Roxas, Louise Thompson, Mariana Fernandes, Linda Green, Joanne Kavanagh, Alexandra Nanzer-Kelly, Grainne D'Ancona, Brian Kent
-
- PA2528 Mepolizumab efficacy in patients with severe eosinophilic asthma and bronchiectasis**
Raffaele Campisi (Portopalo (SR), Italy), Claudia Crimi, Giulia Cacopardo, Giacomo Doria, Rossella Intravaia, Porto Morena, Genco Sabrina, Ramona Sorrentino, Nunzio Crimi
-
- PA2529 Evaluation of bronchial hyperreactivity and other functional parameters in severe asthma patients treated with anti-interleukin-5 monoclonal antibody (IL5)**
Francesco Bini (Pavia (PV), Italy), Noemi Grassi, Dina Visca, Angelo De Lauretis, Antonio Spanevello, Adriano Vaghi
-
- PA2530 A single-center observational study assessing response to mepolizumab in severe eosinophilic asthma**
Nadia Suray Tan (Singapore, Singapore), Manali Mukherjee, Sheau Yng Lim, Chung Hwee Thiam, W.S. Daniel Tan, W.S. Fred Wong, Parameswaran Nair, Veronique Angeli, Hui Fang Lim
-
- PA2531 Discontinuation rates of omalizumab treatment in a cohort of severe asthmatics in Bulgaria**
Diana Hristova (Sofia, Bulgaria), Tanya Kralimarkova, Todor A Popov

TP-15

Session 280

12:50 - 14:40

Thematic poster: Clinical studies of asthma treatments

Disease(s) : [Airway diseases](#) [Respiratory critical care](#)

Method(s) : General respiratory patient care Respiratory intensive care Pulmonary rehabilitation Epidemiology Endoscopy and interventional pulmonology Public health Physiology

Chairs : Sunny Jabbal (Dundee (Angus), United Kingdom), Patrick Berger (Bordeaux, France), Antje T. Schuster (Düsseldorf, Germany)

- PA2532** **Curcumin Improves Therapy of Moderate Partially Controlled Asthma: Placebo-controlled, single blind study**
Edin Jusufovic (Tuzla, Bosnia and Herzegovina), Mitja Kosnik, Jasmina Nurkic, Nermina Arifhodzic, Mona Al-Ahmad, Ljiljana Bulat-Kardum, Munevera Becarevic, Munevera Osmic, Alma Nadarevic, Azra Jusufovic, Dzenan Halilovic, Rifat Sejdinovic, Sanja Brekalo, Besim Prnjavorac
-
- PA2533** **A long-term (2 years) efficacy and safety study of doxofylline in the treatment of asthma**
Mario Cazzola (Roma (RM), Italy), Luigino Calzetta, Paola Rogliani, Ermanno Puxeddu, Maria Gabriella Matera
-
- PA2534** **Interval Exercise Training in Poorly Controlled Asthma: Preliminary Clinical Trial Results**
Anna Freeman (Southampton, United Kingdom), Rosie Geale, Sitara Bali, Kerry Gove, Doriana Cellura, Hannah Burke, Tim Wallis, Karlien H W Paas, Karl J Staples, Sandy Jack, Mike P W Grocott, Tom M A Wilkinson
-
- PA2535** **Montelukast induces better control of symptoms and management of lung function, and decreased inflammation in women compared with men.**
Giuseppe Spaziano (Napoli (NA), Italy), Francesca Polverino, Domenico Giannattasio, Francesco Ferrigno, Maurizio Sessa, Antonietta Rossi, Fiorentina Roviezzo, Mario Polverino, Bruno D'Agostino
-
- PA2536** **Does long-term macrolide treatment reduce asthma exacerbations? An individual patient data meta-analysis**
Sarah Hiles (New Lambton Heights, Australia), Vanessa McDonald, Michelle Guilhermino, Guy Brusselle, Peter Gibson
-
- PA2537** **Towards optimal patient selection for bronchial thermoplasty treatment in severe asthma: results from the TASMA randomized trial**
Annika W.M. Goorsenberg (Amsterdam, Netherlands), Julia N.S. D'Hooghe, Nick H.T. Ten Hacken, Els J.M. Weersink, Elisabeth H. Bel, Pallav L. Shah, Jouke T. Annema, Peter I. Bonta
-
- PA2538** **Clinical phenotypes of asthmatics who require long-term use of tiotropium for asthma control: a real-world study**
Wen-Chien Cheng (Taichung, Taiwan), Biing-Ru Wu, Chih-Yu Chen, Wei-Chun Chen, Wei-Chih Liao, Chih-Yen Tu, Chia-Hung Chen
-
- PA2539** **Lung function normalization with indacaterol/glycopyrronium/mometasone furoate in patients with asthma**
Kenneth R. Chapman (Toronto (ON), Canada), Henrik Watz, Jutta Beier, Dave Singh, Jens M. Hohlfeld, Zuzana Diamant, Veronika Scholz, Arnab Sarkar, Ieuan Jones, Ruobing Li, Pascale Pinot, Hanns-Christian Tillmann
-
- PA2540** **Pharmacokinetics of indacaterol, glycopyrronium and mometasone furoate following once daily inhalation as a fixed-dose combination in healthy subjects**
Hanns-Christian Tillmann (Basel, Switzerland), Brian Ethell, Nasri Abdallah, Surendra Machineni, Anton Drollmann, Stephanie Last, Michael Hahn, Rajkumar Radhakrishnan, Stanislav Ignatenko, Soniya Vaidya
-
- PA2541** **Pharmacokinetics of indacaterol, glycopyrronium and mometasone furoate as a fixed-dose combination in Japanese and Caucasian healthy subjects**
Hanns-Christian Tillmann (Basel, Switzerland), Satoru Inoue, Soniya Vaidya, Yohei Sakita, Surendra Machineni, Kiyoshi Kobayashi, Kenichi Furihata
-
- PA2542** **Lung function, pharmacokinetics, and tolerability of indacaterol maleate and acetate in asthma patients**
S David Miller (North Dartmouth, United States of America), David Miller, Juergen Jauernig, Soniya Vaidya, Brian Ethell, Kristina Wagner, Rajkumar Radhakrishnan, Hanns-Christian Tillmann
-
- PA2543** **Variability in Blood Eosinophils: Findings from the WATCH Cohort of Difficult Asthma**
Adnan Azim (Bournemouth (Dorset), United Kingdom), Newell Colin, Clair Barber, Anna Freeman, Heena Mistry, Aref Kyyaly, Hans Michael Haitchi, Paddy Dennison, Peter Howarth, Ramesh Kurukulaaratchy
-
- PA2544** **Influence of controller therapy with extrafine beclometasone/formoterol on the quality of life of asthma patients with cold and/or osmotic airway hyperresponsiveness**
Natalia L. Perelman (Blagoveshchensk (Amur Oblast), Russian Federation), Anna G. Prikhodko, Ekaterina Y. Kocheharova, Larisa Y. Oshur, Evgeniya Y. Afanaseva
-
- PA2545** **Free serum IgE suppression with omalizumab and clinical outcomes in asthma**
Chuntao Liu (Chengdu (Sichuan), China), Jing Li, Jing Yang, Lu Wang, Michael Humphries, Ioannis Ioannis Kottakis, Robert Fogel, Xiao Hoong Lau, Nanshan Zhong
-
- PA2546** **Omalizumab in the real-world: systematic review of asthma control outcomes reported by patients**
Francis Nissen (Basel, Switzerland), Marc Humbert, Peter Gibson, Konstantinos Kostikas, Xavier Jaumont, Petter Olsson, Luisa Alvares, Jean Bousquet
-
- PA2547** **The relationship between severe asthma eosinophilic phenotypes and the clinical response to benralizumab at 16 weeks**
David Jackson (London, United Kingdom), Cris Roxas, Linda Green, Mariana Fernandes, Louise Thompson, Joanne Kavanagh, Grainne D'Ancona, Alexandra Nanzer-Kelly, Brian Kent

PA2548 Durability of mepolizumab treatment response between doses
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Peter Howarth, Daniel J Bratton, Frank C Albers, Steven Yancey

PA2549 Omalizumab reduces asthma exacerbations and oral corticosteroid use in patients with severe allergic asthma: a systematic review of observational studies
Francis Nissen (Basel, Switzerland), Marc Humbert, Peter Gibson, Konstantinos Kostikas, Xavier Jaumont, Paolo Tassinari, Pascal Pfister, Jean Bousquet

PA2550 Effects of Mepolizumab on symptoms, systemic and bronchial inflammation
Francesca Cherubino (Varese (VA), Italy), Giorgio Bertolotti, Alessandra Ianni, Angelo De Lauretis, Riccardo Pintucci, Dina Visca, Elisabetta Zampogna, Patrizia Pignatti, Antonio Spanevello

TP-16

Session 281

12:50 - 14:40

Thematic poster: Asthma treatment: cohorts and real-world studies

Disease(s) : [Airway diseases](#) [Respiratory critical care](#)

Method(s) : Epidemiology Pulmonary function testing General respiratory patient care Respiratory intensive care Public health

Chairs : Tim Harrison (Nottingham (Nottinghamshire), United Kingdom), Vibeke Backer (Copenhagen, Denmark), Stephen James Fowler (Preston (Lancashire), United Kingdom), Andrew Menzies-Gow (London, United Kingdom)

PA2551 Refractory Asthma in Qena Governorate: Egypt a single center study
Mohamed Shahat Badawy (Luxor, Egypt), Alaa Rashad, Ebtyhaal Mohamed, Mosaab Mohamed

PA2552 Sub-optimal asthma control with medium- or high-dose ICS/LABA: a retrospective cohort study from Japan claims database
Hiromasa Inoue (Kagoshima, Japan), Ki Lee Milligan, Aine Mcconnon, Hajime Yoshisue, Emil Loeffroth, Martin Mcsharry, Akihito Yokoyama, Masakazu Ichinose

PA2553 Difference in asthma control levels by assessment tools: Observational study
Takashi Iwanaga (Osakasayama, Japan), Hiroshi Tanaka, Soichiro Hozawa, Yuji Tohda

PA2554 Use of short-acting beta-2 agonists (SABA) and exacerbations in a nationwide Swedish asthma cohort (HERA)
Christer Janson (Uppsala, Sweden), Brighn Nwaru, Lars Pål Hasvold, Fredrik Wicklund, Gunilla Telg, Magnus Ekstrom

PA2555 Can high doses of inhaled corticosteroids increase the level of total serum cholesterol?: a retrospective cohort study.
Beatriz Aldave Orzaiz (Madrid, Spain), Ana Sánchez Azofra, Carolina Cisneros Serrano, Elena Ávalos Pérez-Urria, Ana Martínez Meca, Carmen Acosta Gutierrez, Adrián Martínez Vergara, Marta Erro Iribarren, Ana Roca Noval, María Teresa Sanz Pastor, Joan B Soriano, Julio Ancochea Bermúdez

PA2556 Prevalence of the use of oral corticosteroids in asthma – a 3-year analysis in Germany
Marek Lommatzsch (Rostock, Germany), Cristina Wilmer, Inessa Schwab Sauerbeck

PA2557 Oral corticosteroid prescription patterns in asthma care in Italy
Trung Tran (Gaithersburg, United States of America), Elizabeth King, Rajiv Sarkar, Cassandra Nan, Annalisa Rubino, Caroline O'Leary, Laura Belton, Jennifer Quint

PA2558 Evaluating inhaled corticosteroid use among pregnant women with asthma: systematic review and meta-analysis
Annelies Robijn (New Lambton Heights (NSW), Australia), Megan Jensen, Karen McLaughlin, Peter Gibson, Vanessa Murphy

PA2559 Montelukast and cardiovascular events: Insights from observational retrospective study
Malvina Hoxha (Tirana, Albania), Visar Malaj, Silvana Quaglini, Valerie Capra, Jilly F Evans, Angelo Sala, G.Enrico Rovati

PA2560 Inhaled corticosteroids in asthma and longitudinal change in lung function: a systematic review and meta-analysis
Daniel Tan (Melbourne, Australia), Daniel Tan, Dinh Bui, Xin Dai, Caroline Lodge, Adrian Lowe, Paul Thomas, Michael Abramson, Haydn Walters, Jennifer Perret, Shyamali Dharmage

PA2561 Characterizing healthcare resource utilization by GINA steps in asthma patients
Jessica Marvel (East Hanover, United States of America), William W. Busse, Juanzhi Fang, Hengfeng Tian, Pablo Altman, Hui Cao

PA2562 Difficult asthma and obesity
Asma Migaou (Monastir, Tunisia), Nesrine Fahem, Lobna Loued, Ahmed Ben Saad, Saoussen Cheikh Mhamed, Sameh Joobeur, Naceur Rouatbi

PA2563 Antibiotics use for asthma exacerbation in Japanese geriatric patients
Yosuke Fukuda (Tokyo, Japan), Tetsuya Homma, Akihiko Tanaka, Hironori Sagara

- PA2564 Oral corticosteroid use in Swedish and Finnish severe asthma patients**
Lauri Lehtimäki (Tampere, Finland), Kirk Geale, Hatef Darabi, Maria Lindh, Luísa Alvares, Rikke Dodge, Alan Altraja, Vibeke Backer, Leif Bjermer, Apostolos Bossios, Christer Janson, Hannu Kankaanranta, Paula Kauppi, Charlotte Suppli Ulrik, Arja Viinanen, Celeste Porsbjerg
- PA2565 SABA and ICS use among mild asthma patients in UK primary care**
Chloe Bloom (London, United Kingdom), Jennifer Quint, Claudia Cabrera
- PA2566 Asthma control (AC) in the adult population from Kuwait: ESMAA study**
Naser Behbehani (Kuwait city, Kuwait), Mona Al-Ahmad, Sana Al-Mutairi, Saleh Al-Mutairi, Abdallah Al-Saedi, Hisham Farouk, Anas Adel, François Montestruc, Mohamed Al-Shammari
- PA2567 Evaluation of asthma control and quality of life after 6 months of treatment with FDC Budesonide/Formoterol-BOREAS study.**
MARIA BERTOLI (ATHENS, Greece), Petros Bakakos, Despina Papakosta, Eleftherios Zervas, Konstantinos Katsoulis, Alexandros Ginis, Kleoniki Apostolidou, Stelios Loukides
- PA2568 Asthma control and quality of life in asthmatic patients treated for 6 months with FDC Budesonide/Formoterol -BOREAS study: a subgroup analysis in patients with comorbidities**
MARIA BERTOLI (ATHENS, Greece), Despina Papakosta, Stelios Loukides, Konstantinos Katsoulis, Eleftherios Zervas, Kleoniki Apostolidou, Alexandros Ginis, Petros Bakakos
- PA2569 How common is stepping-down asthma treatment in England?**
Chloe Bloom (London, United Kingdom), Jennifer Quint
- PA2570 Pulmonary function improvement in patients with asthma during GINA implementation: a 5-year observational follow-up study**
Tho Nguyen Van (Ho Chi Minh, Vietnam), Quan Vu, Lan Le

TP-17

Session 282

12:50 - 14:40

Thematic poster: Airway diseases and blood cells

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Epidemiology Cell and molecular biology Pulmonary function testing

Chairs : Ian M. Adcock (London, United Kingdom), Borja García Cosío Piqueras (Palma de Mallorca, Spain), Luis Pérez De Llano (Lugo, Spain), Virginija Kalinauskaitė-Zukauske (Kaunas, Lithuania)

- PA2571 Use of inhaled corticoids and presence of eosinophilia in patients with COPD: TRACE Cohort**
Laura Carrasco Hernandez, Francisco Puig Rodriguez, Michelle Espinoza Solano, Eduardo Márquez Martín, Francisco Ortega Ruiz, José Luis López-Campos
- PA2572 Lack of seasonal variability of blood eosinophil counts in COPD**
Maja Badovinac (Ljubljana, Slovenia), David Lestan, Matjaž Turel, Matevz Harlander
- PA2573 Chronic Obstructive Pulmonary Disease (COPD) patients with airway eosinophilic inflammation are characterized by lower functional impairment.**
Pierluigi L. Paggiaro (Pisa (PI), Italy), M. L. E. Bartoli, M. Adelaide Roggi, Romina Vargiu, Cristina Cardini, Silvana Cianchetti, Marta Daniele, Gianna Decusatis, Micheli Micole, Barbara Vagaggini, Alessandro Celi
- PA2574 Associations between blood and sputum eosinophils and clinical features of mild-to-moderate COPD**
Katarzyna Mycroft (Warszawa, Poland), Katarzyna Górská, Małgorzata Proboszcz, Magdalena Paplińska-Goryca, Patrycja Nejman-Gryz, Natalia Zak, Piotr Jankowski, Rafał Krenke
- PA2575 Comparison of blood and sputum analysis in evaluation of eosinophilic COPD**
William LeMaster (Beverly Hills, United States of America), Sarah Ingersoll, Daniela Markovic, Russell Buhr, Matthew Flynn, Marissa Dembek, Miguel Villareal, Roslynn McGill, James Johnston, John Belperio, Chris Cooper, Hyewon Phee, Igor Barjaktarevic
- PA2576 Role of eosinopenia in predicting mortality and morbidity in patients with Chronic Obstructive Pulmonary Disease (COPD)**
Jamal Ahmed (Cardiff, United Kingdom), Abdi Ali, Javed Ibrahim, Tanjila Khan, Akinyemi Sesan, Emma Crawford, Koottalai Srinivasan, Harmesh Moudgil, Annabel Makan, Nawaid Ahmad
- PA2577 Stability of blood eosinophils in stable Chronic Obstructive Pulmonary Disease: a retrospective study in primary care.**
Inès Van Rossem (Bruxelles, Belgium), Shane Hanon, Wannas Meskens, Sander Deridder, Jan Vandevoorde, Eef Vanderhelst

- PA2579 Relationship of peripheral eosinophil count in patients with asthma to weight, pulmonary function tests, and exhaled nitric oxide.**
Khalil Ansarin (Tabriz, Islamic Republic of Iran), Ansiyeh Seyedrezazadeh
- PA2580 Comparison of Eosinophilic and Non-eosinophilic Cases with Chronic Obstructive Pulmonary Disease (COPD) in terms of Clinical Arrival, Exacerbations, Quality of Life and Response to Treatment: A Prospective Study**
Yağmur Kaptan (İZMİR, Turkey), Aslı Sunel, Zübeyde Ekin, Deniz Nart, Funda Elmas Uysal, Abdullah Saymer, Alev Gürgün
- PA2581 COPD exacerbations: is eosinophilia a protective factor?**
Ana Rita Azevedo Gigante (Vila Nova de Gaia, Portugal), Eduarda Milheiro Tinoco, Teresa Shiang, Raquel Marçôa, Eloísa Silva, Carla Ribeiro, Manuela Vanzeller
- PA2582 Neutrophil-to-Lymphocyte Ratio and Platelets-to-Lymphocytes Ratio in severe COPD exacerbation: the importance of obstructive sleep apnea**
Nicoleta Stefania Motoc (Oradea (Bihor), Romania), Milena Adina Man, Andrada Elena Campean Urda, Victoria Maria Ruta, Doina Adina Todea, Carmen Monica Pop
- PA2583 Erythropoietin in chronic obstructive pulmonary disease patients without anemia**
Yaroslava Khovaeva (Perm, Russian Federation), Dmitrii Sosnin, Tatyana Syromyatnikova, Larisa Ermachkova, Anna Podyanova, Olga Nenasheva
- PA2584 Systemic inflammation in patients with COPD and anemia of chronic disease**
Anna Kovchun (Sumy, Ukraine), Vladyslava Kmyta, Lyudmyla Prystupa
- PA2585 Hypercoagulation as the main cause of death in COPD**
Elnorahon Abduganieva (Москва, Russian Federation), Djahangir Artikov, Irina Liverko
- PA2586 Lymphopenia is linked to an increased incidence of cancer in smokers without COPD**
Davide Biondini (Udine (UD), Italy), Umberto Semenzato, Matteo Bonato, Mariaenrica Tinè, Erica Bazzan, Marco Damin, Graziella Turato, Jose Maria Marin, Manuel G Cosio, Marina Saetta
- PA2587 Mixed granulocytic phenotype in asthmatic patients**
Patrizia Pignatti (Vigevano (PV), Italy), Dina Visca, Francesca Cherubino, Elisabetta Zampogna, Laura Saderi, Martina Zappa, Giovanni Sotgiu, Antonio Spanevello
- PA2588 Routine blood test biomarkers and their association with exacerbations in COPD**
Alexa Nuñez (Barcelona, Spain), Viviana Marras, Cristina Esquinas, Matevz Harlander, Matjaz Turel, David Lestan, Evgeni Mekov, Rossen Petkov, Pietro Pirina, Silvia Negri, Miriam Barrecheguren, Marc Miravittles
- PA2589 Red cell distribution width on admission correlates with the need of application of Non Invasive Mechanical Ventilation in Acute Exacerbation of COPD**
Theodoros Karampitsakos (Athens, Greece), Argyrios Tzouveleakis, Ourania Papaioannou, Serafeim Chrysikos, Demosthenes Bouros, Katerina Dimakou, Georgios Hillas
- PA2590 Distribution of the cellular inflammatory pattern in induced sputum in an eosinophilic severe asthma population.**
Antoni Marin Muñoz (Badalona (Barcelona), Spain), Clara Padró Casas, Maria Basagaña Torrento, Ignasi Garcia-Olive, M^a Del Mar Martínez Colls, Alicia Francoso Vicente, Filipe Gonçalves Carvallho, Jorge Abad Capa, Antoni Rosell Gratacos, Albert Roger Reig, Aina Teniente Serra, Eva Martínez Cáceres, Tomas Navarro Ferrando, Carlos Martínez Rivera

TP-18

Session 283

12:50 - 14:40

Thematic poster: Long-term evaluation and control of airway diseases

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Pulmonary function testing Public health Epidemiology Endoscopy and interventional pulmonology Cell and molecular biology

Chairs : Fabiano Di Marco (Trezzano Sul Naviglio (MI), Italy), Andras Bikov (Budapest, Hungary), Ciro Casanova Macario (Santa Cruz De Tenerife, Spain), Johann Christian Virchow (Rostock, Germany)

- PA2591 COPD - comorbidities and their impact on the need of medical care**
Penelope Almeida (Vila Nova de Gaia, Portugal), Márcia Cravo, Maria Inês Costa, Sara Xavier Pires, Tiago Oliveira, Sara Vieira Silva, Pedro Leuschner
- PA2592 Influence of muscle strength on long-term mortality in COPD**
Leyre Chasco Eguilaz (Vitoria-Gasteiz, Spain), Amaia Aramburu Ojembarrena, Ane Antón Ladislao, Francisco Javier Moraza Cortés, Susana Aizpiri Rivero, María Gorordo Unzueta, Cristóbal Esteban González
- PA2593 Survival characteristics and predictors of mortality in COPD subjects**
Kapil Sharma (Faridabad (Haryana), India), Avinash Jain, Dps Sudan, Sheena Taneja, J. K Samaria

- PA2594** **Influence of the body mass index on the survival of COPD patients**
Christian Reynaldo Castro Riera (Madrid, Spain), Zichen Ji, Julio Hernández Vázquez, Rodrigo Jiménez García, Ismael Ali García, Ana López De Andrés, Carmen Matesanz Ruiz, Valentín Hernández Barrera, María Jesús Buendía García, Javier De Miguel Díez
-
- PA2595** **The relationship of mid-upper arm circumference with disease severity and prognosis among patients with chronic obstructive pulmonary disease**
Sonia Toujani Chekki (Tunis, Tunisia), Abir Hedhli, Azza Slim, Meriem Mjid, Sana Cheickrouhou, Yacine Ouahchi, Samira Merai
-
- PA2596** **Prognostic Assessment In Copd Subjects: BODE Index And The Health-Related Quality Of Life**
Rajendra Prasad Takhar (Kota (Rajasthan), India), Kapil Sharma, Avinash Jain, Dps Sudan, Sheena Taneja
-
- PA2597** **Clinical examination and all-cause mortality in non-mild COPD population – prospective study**
Vladimir Koblizek (Hradec Králové, Czech Republic), Libor Nevoranek, Michal Kopecky, Eva Kocova, Katerina Neumannova, Barbora Novotna, Marketa Skrobakova, Michal Svoboda, Rostislav Simek, Petr Safranek, Tomas Dvorak, Petra Voglova, Zuzana Liptakova, Lucie Heribanova, Jaroslav Lnenicka, Pavlina Musilova, Kristian Brat, Marek Plutinsky, Patrice Popelkova, Jaromir Zatloukal, Eva Volakova
-
- PA2598** **The association between adherence and outcomes in severe asthma: a systematic review**
Annabelle Culling (Avon, United Kingdom), Paddy Dennison
-
- PA2599** **Have we learnt from the National Review of Asthma Deaths?**
Emma Rickards (St Helens (Merseyside), United Kingdom), Shauna Johnston, Joanne Halewood, Dennis Wat, Sarah Sibley, Hassan Burhan, Gareth Jones, Paul Rutherford, Onnor Hampson
-
- PA2600** **Prevalence of nonadherence to controller therapy in adults with severe asthma – a systematic review and meta-analysis**
Maged Hassan (Plymouth, United Kingdom), Sarah E Davies, Samuel P Trethewey, Adel H Mansur
-
- PA2601** **Specific comorbidities and low adherence are independent risk factors for poorer asthma control and exacerbations in patients with difficult-to-control asthma**
Anna von Bülow (Kgs. Lyngby, Denmark), Vibeke Backer, Uffe Bodtger, Niels Ulrik Søes-Petersen, Susanne Vest, Ida Steffensen, Celeste Porsbjerg
-
- PA2602** **Correlating patient characteristics and adherence to their severe asthma inhaler regimen, and assessment of the Medication Adherence Report Scale**
Phoebe Crane (Pevensey, United Kingdom), Paddy Dennison
-
- PA2603** **The Test of Adherence to Inhalers (TAI) overestimates adherence to asthma's medication.**
Marta Entrenas Castillo (CORDOBA, Spain), Patricia Ramos Álvarez, Julia Bohórquez Ríos, Luis Manuel Entrenas Costa
-
- PA2604** **Physician and patient concordance of perceived asthma control: A US real world study**
Jessica Marvel (East Hanover, United States of America), Anne Fuhlbrigge, Batul Electricwala, James Siddall, Megan Scott, Chloe Middleton, Mark Small
-
- PA2605** **Patients' characteristics and change of asthma symptoms compared to the previous year. Results from the Disease Management Program (DMP) Bronchial Asthma in the North Rhine region in Germany.**
Arne Weber (Köln, Germany), Bernd Hagen, Sabine Groos, Jens Kretschmann, Christine Macare
-
- PA2606** **Bronchoscopy and bronchial biopsy are safe and useful procedures in the evaluation of severe uncontrolled asthma**
Sara Hermoso De Mendoza Aristegui (PALMA, Spain), Cristina Gómez, Nuria Toledo Pons, Amanda Iglesias, Josep Lluís Valera, Jaume Saulaeda, Javier Verdu, Borja G. Cosío
-
- PA2607** **Impact of fine particle concentration in asthma control**
Jaume Bordas-Martinez (barcelona, Spain), Yuliana Pascual González, Samantha Aso González, Nuria Jose Bazán, Ana Romero Ortiz, Jordi Dorca Sargatal, Salud Santos Pérez, Mariana Muñoz-Esquerre
-
- PA2608** **What can be improved in poor controlled asthma**
Nidia Pestana Caires (Funchal, Portugal), Sara Campos Silva, Rita Gerardo, Madalena Emiliano, Ines Duarte, Luisa Semedo, Joao Cardoso
-
- PA2609** **Biomarkers of airways inflammation in patients with severe asthma in a real clinical practice**
Galina Sergeeva (St. Petersburg, Russian Federation), Alexander Emelyanov, Evgenia Leshenkova, Antonina Znakhurenko
-
- PA2610** **Markers of asthma control - Cross-sectional data from a study in Telemark, Norway**
Nikola Zivadinovic (Skien, Norway), Regine Abrahamsen, Martin Veel Svendsen, Geir Klepaker, Reidun Øvstebø, Hans Christian D Aass, Johny Kongerud, Anne Kristin Møller Fell

TP-19

Session 284

12:50 - 14:40

Thematic poster: FeNO in airway diseases and asthma-COPD overlap identification**Disease(s) :** Airway diseases**Method(s) :** Pulmonary function testing General respiratory patient care Physiology Public health Epidemiology Cell and molecular biology**Chairs :** Dina Visca (Tradate, Italy), Bernardino Alcazar Navarrete (Cájar, Spain), Patrizia Pignatti (Vigevano (PV), Italy), Antonio Spanevello (Milan, Italy)

- PA2611 Exhaled nitric oxide in overweight and obese asthma patients compared to normal weight asthmatic patients.**
Khalil Ansarin (Tabriz, Islamic Republic of Iran), Ansiyeh Seyedrezazadeh
-
- PA2612 Usefulness of fraction of exhaled nitric oxide and asthma management questionnaires in predicting a future risk of asthma exacerbation**
Manabu Uematsu (Fukushima, Japan), Junpei Saito, Suguru Sato, Atsuro Fukuhara, Yasuhito Suzuki, Ryuichi Togawa, Yuki Sato, Takefumi Nikaïdo, Yoshinori Tanino, Yoko Shibata
-
- PA2613 Airway and systemic nitric oxide pathway in COPD**
Péter Horváth (Budapest, Hungary), Balázs Csoma, Lajos Nagy, Bence Tóth, Tamás Tábi, Gergő Szűcs, Zsolt István Komlósi, Veronika Müller, György Losonczy, Zsófia Lázár
-
- PA2614 Stability of FENO50 in a COPD cohort in Sweden over 2-year follow-up**
Marieann Högman (Uppsala, Sweden), Björn Stållberg, Karin Lisspers, Hans Hedenström, Kristina Bröms, Christer Janson, Andrei Malinovski
-
- PA2615 Spirometry and FeNO in Children with Mild-Moderate and Severe Asthma.**
Gabriela Andrada (Buenos Aires, Argentina), Magdalena Vocos, Verónica Giubergia, Gimena Donth Leger, Lucero Belen, Velazco Suarez Carlos, Aguerre Verónica, Pelaez Gabriela, Kruger Anahí, Roque Marcela, Primrose Doris, Castaños Claudio, Figueroa Juan
-
- PA2616 Ex-smokers with frequent COPD exacerbations have low FENO in stable condition**
Alexandra Thornadsson (Gävle, Sweden), Andrei Malinovski, Kristina Bröms, Christer Janson, Karin Lisspers, Björn Stållberg, Hans Hedenström, Marieann Högman
-
- PA2617 Combined effects of type 2 inflammation and lung function on exhaled nitric oxide ability to reflect asthma control**
Lucas Demey (Bruxelles, Belgium), Alain Van Muylem, Silvia Perez-Bogerd, Amaryllis Haccuria, Alain Michils
-
- PA2618 Comparison of three different exhaled nitric oxide analyzers in asthma and COPD**
Mauro Maniscalco (Napoli (NA), Italy), Salvatore Fuschillo, Marco Mosella, Sofia Accardo, Alberto De Felice, Carlo Gaudiosi, Michele Martucci, Antonio Molino
-
- PA2619 Simultaneous estimation of partitioned FeNO sources and airway dimensions with tidal breath data**
Patrick Muchmore (Pasadena, United States of America), Shujing Xu, Edward Rappaport, Sandrah Eckel, Frank Gilliland
-
- PA2620 Monitoring of forced expiratory Nitric Oxide (FeNO) during Winter swimming**
Gunther Becher (Bernau, Germany), Stefan Hummel
-
- PA2621 Fractional exhaled nitric oxide (FeNO), Impulse Oscilometry (IOS) and clinical status in 4 to 7 years old asthmatic children**
Gabriela Andrada (Buenos Aires, Argentina), Gimena Donth, Marcela Roque, Magdalena Vocos, Doris Primrose, Carlos Velazco Suarez, Anahi Kruger, Juan Manuel Figueroa
-
- PA2622 ASSOCIATION BETWEEN EXHALED NITRIC OXIDE AND NASAL POLYPOSIS IN SEVERE ASTHMA**
Mauro Maniscalco (Napoli (NA), Italy), Cecilia Calabrese, Maria D'Amato, Antonio Molino, Maria Aliani, Alberto De Felice, Fabio Ricciardolo, Elisiana Carpanano
-
- PA2623 The relationship between fractional exhaled nitric oxide and asthma symptom scores in patients on mepolizumab**
David Jackson (London, United Kingdom), Lydia Shackshaft, Linda Green, Cris Roxas, Mariana Fernandes, Louise Thompson, Grainne D'Ancona, Maria Elstad, Abdel Douiri, Alexandra Nanzer-Kelly, Brian Kent
-
- PA2624 The acceptability and feasibility of FeNo-based asthma management in Australian antenatal clinics- A qualitative descriptive study.**
Karen McLaughlin (North Lambton, Australia), Megan Jensen, Maralyn Foureur, Peter Gibson, Vanessa Murphy
-
- PA2625 Fractional exhaled nitric oxide in patients with chronic obstructive pulmonary disease**
Ferdaous Yangui, Hadhemi Rjab, Nour El Houda Mbarek, Siwar Bousselmi, Mariem Triki, Mohamed Ridha Charfi
-
- PA2626 Cost analysis for therapy management of asthmatics with FeNO in primary care in Germany**
Christian Ernst (Stuttgart, Germany), Salome Wiener, Tanja Wollensak, Sandra Wegner

- PA2627** **Changes in the cellular composition of induced sputum in patients with asthma-COPD overlap**
Ekaterina Y. Kochegarova (Blagoveshchensk (Amur Oblast), Russian Federation), Anna G. Prikhodko, Juliy M. Perelman, Aleksey B. Pirogov, Victor P. Kolosov, Natalia L. Perelman, Valentina I. Pavlenko, Svetlana V. Naryshkina
- PA2628** **Asthma COPD overlap, Diagnostic stability and inflammatory characteristics**
Georgios Patentlakis (Athens, Greece), Petros Bakakos, Anastasia Papaporfyriou, Georgios Papatheodorou, Georgios Hillas, Konstantinos Ostikas, Spyros Papiris, Nikolaos Koulouris, Stelios Loukides
- PA2629** **Are we missing asthma COPD overlap (ACO) diagnosis among patient with COPD? Alameeri Amel(1), Dudina Alexandra(1), Stephen Lane(1), Kennedy Merian(2)**
Amel Alameeri (Dublin 4, Ireland)
- PA2630** **Prevalence and demographics of asthma - COPD overlap (ACO) among asthma and COPD patients in the pulmonary clinic of the University of the Philippines - Philippine General Hospital**
Anjuli May Jaen (Pasay City, Philippines), Lenora Fernandez, Irene Rosellen Tan, Aileen Wang, Ralph Elvi Villalobos, Mariella Cuñada

TP-20

Session 285

12:50 - 14:40

Thematic poster: Physiologic assessment of airway diseases**Disease(s)** : Airway diseases**Method(s)** : General respiratory patient care Pulmonary function testing Physiology**Chairs** : Robab Breyer-Kohansal (Wien, Austria), James Allinson (London, United Kingdom), Guy F. Joos (Ghent, Belgium), Chase Hall (Overland Park, United States of America)

- PA2631** **Forced oscillation technique for sensitive detection of early-stage chronic obstructive pulmonary disease**
Lijuan Gao (Chengdu, China), Yanqiu Wu, Hao Wang, Shuguang Xiong, Rong Qiu, Tao Wang, Yongchun Shen, Lei Chen, Fuqiang Wen
- PA2632** **Forced oscillation technique may identify severe asthma**
Toshihiro Shirai (Shizuoka, Japan), Keita Hirai, Yasuhiro Gon, Shuichiro Maruoka, Kenji Mizumura, Mari Hikichi, Kunihiko Itoh, Shu Hashimoto
- PA2634** **Assessment of expiratory vs inspiratory resistance and reactance using FOT as a measure of air trapping**
Abir Nasr (Teckomatorp, Sweden), Linnea Jarenbäck, Leif Bjermer, Ellen Tufvesson
- PA2635** **Impulse Oscillometry Better Differentiates the Lungs Response from Elderlies Smokers from Non-smokers**
Tamara Guimarães (Jacaré, Brazil), Maysa Brandão Rangel, Amanda Araujo Rosa, Lucas Sales Dias, Jovana Mahler Quirino, Camila Murata, Gabriel Rocha, Aline Cardoso Moraes, Claudio Frizon, Rodolfo Vieira
- PA2636** **Impulse oscillometry in adults with severe asthma**
Luis Carreto (AMADORA, Portugal), Miguel Silveira, Maria Inês Luz Ferreira, Carlos Alves, Hedi Liberato, Ricardo Melo, Fernando Rodrigues
- PA2637** **A comparative study of bedside pulmonary function tests and standard spirometry in stable COPD Patients**
Revan Sidda Aland (Jaipur (Rajasthan), India), Manohar Lal Gupta
- PA2638** **Multiple breath washout testing after paediatric blood and marrow transplantation**
Jonathan Rayment (Vancouver, Canada), Rodrigo Sandoval, Juliana Roden, Mark Chilvers, Kirk Schultz
- PA2639** **Dynamic hyperinflation contributes to systemic and airway inflammation in patients with COPD**
Pablo Mariscal Aguilar (Madrid, Spain), Raúl Galera Martínez, Raquel Casitas Mateo, Elisabet Martínez Cerón, Daniel Laorden Escudero, José Andrés Tenes Mayen, Gabriela González Pozo, Francisco García Río
- PA2640** **The better explanation of COPD: the clinical role of FVC grouping**
Hyoung Kyu Yoon (Seoul, Republic of Korea), An Tai Joon, Seo Wan, Park Chan Kwon, Yoon Hyoung Kyu
- PA2641** **Small airways disease evaluation in healthy smokers with normal spirometry values**
Maria Kipourou (Thermi Thessaloniki, Greece), Pavlos Michailopoulos, Xristoforos Bikas, Evangelos Ntinapogias, Georgios Spyropoulos, Konstantinos Katsoulis
- PA2642** **Validation study of the portable Air Next spirometer: preliminary results**
Konstantinos Kostikas (Ioannina, Greece), Konstantinos Exarchos, Agnes Sioutkou, Christos Chronis, Sofia Peristeri, Athena Gogali, Athanasios Konstantinidis
- PA2643** **Evaluation of pulmonary function parameters and lung age in automobile drivers-A pilot study in a semi-urban area in South India**
Krishna Chaitanya Bolla (Kelambakkam, India), Meenakshi Narasimhan, Aruna Shanmuganathan, Nisha Ganga, R Ragulan

- PA2644** **Using the pre-bronchodilator spirometry curvature to improve estimation of post-bronchodilator airflow obstruction**
Stine Hangaard (Aalborg Ø, Denmark), Thomas Kronborg, Mads Nibe Stausholm, Simon Lebech Cichosz, Ole Hejlesen
-
- PA2645** **How to stage airflow limitation (AL) in patients with stable COPD?**
Ichraf Anane (sousse, Tunisia), Fatma Guezguez, Hend Knaz, Helmi Ben Saad
-
- PA2646** **COPD SCREENING THROUGH COPD-6 AND PIKO-6 MICROSPIROMETERS: WHAT DEVICE IS BETTER IN REAL LIFE CLINICAL PRACTICE?**
Miguel Angel Hernandez Mezquita (Aldeatejada, Spain), Idania De Los Santos, Vanesa Hidalgo Sierra, Soraya Jodra Sánchez, Ana Sánchez Fernández, Rosa Cordovilla Pérez, Ramon Diego Castellanos, Miguel Barrueco Ferrero
-
- PA2647** **Are FEV6, FVC and VC different in diagnosing obstructive ventilatory defect?**
Cláudia Sabina Sousa (Funchal, Portugal), David Barros Coelho, Pedro Amorim, Paulo Viana, Natália Martins, Marta Drummond
-
- PA2648** **Considerable variation exists among spirometry interpretation algorithms**
Anthony D. D'Urzo (Toronto (ON), Canada), Katrina D'Urzo
-
- PA2649** **Aligning lung function equipment and reference values in adults.**
Sylvia Verbanck (Bruxelles, Belgium), Daniel Schuermans, Bruce Thompson, Eef Vanderhelst
-
- PA2650** **Reducing the variability of DLCO measurements in clinical trials**
Anette Hagberg (Möln dal, Sweden), Joanne Betts, Cecilia Kristensson, John Mo, Sara Asimus, Muhammad Waqas Sadiq, Thomas Koernicke, Rainard Fuhr, Wayne Brailsford, Christina Keen, Jukka Mäenpää

TP-21

Session 286

12:50 - 14:40

Thematic poster: Cardiovascular comorbidities in COPD**Disease(s) :** Airway diseases Pulmonary vascular diseases**Method(s) :** Pulmonary function testing Epidemiology Public health Imaging Pulmonary rehabilitation General respiratory patient care Endoscopy and interventional pulmonology Cell and molecular biology**Chairs :** Jose Maria Marin Trigo (Zaragoza, Spain), Stefano Centanni (Milano (MI), Italy), Donald Sin (Vancouver (BC), Canada)

- PA2651** **Influence of concomitant chronic heart failure on incorrect evaluation of chronic obstructive pulmonary disease assessment tests**
Viktoriiia Batashova-Halinska (Odesa, Ukraine), Leonid Kholopov, Ivan Vishnivetsky
-
- PA2652** **The comparative characteristic of indicators of cardiointervalogram, ergoreflex and 6-MWT in patients with COPD**
Irina Ponomareva (Ryazan, Russian Federation), Vladimir Abrosimov, Alexey Kosyakov
-
- PA2653** **Pulmonary hemodynamics and remodeling of the right heart in patients with COPD, depending on the risk group.**
Elena Klester (Barnaul (Altai Region), Russian Federation), Karolina Klester, Yakov Shoikhet, Valentina Yarkova, Victor Nikitin, Alena Denisova
-
- PA2654** **COPD as an additional risk factor for cardiovascular and respiratory events in patients with respiratory viral infection**
Maria De Los Angeles Zambrano Chacon (MADRID, Spain), Laura Esteban-Lucía, Camila Sofía García Talavera, Luis Nieto Roca, Ana María Venegas Rodríguez, Ricardo Fernández Roblas, Ana María Pello Lázaro, Álvaro Aceña Navarro, Felipe Villar Álvarez
-
- PA2655** **Cardiovascular disease in patients requiring NIV for ECOPD.**
Nicholas Lane (Newcastle Upon Tyne, United Kingdom), Tom Hartley, John Steer, Mark Elliott, Milind Sovani, Helen Curtis, Elizabeth Fuller, Patrick Murphy, Dinesh Shrikrishna, Keir Lewis, Neil Ward, Christopher Turnbull, Victoria Ferguson, Nicholas Hart, Stephen Bourke
-
- PA2656** **BODY COMPOSITION ALTERATIONS AND ENDOTHELIAL DYSFUNCTION IN COPD AND HF.**
María Fernanda Salgado Fernández (México City, Mexico), Fernanda Salgado Fernández, Dulce González Islas, Arturo Orea Tejada, Rocio Nayeli Sánchez Santillán, Aimeé Flores Vargas, Angelia Jiménez Valentín, Alan Aldair Ibarra Fernández, Roberto Dávila Ramos, Karla Balderas Muñoz, Viridiana Peláez Hernández
-
- PA2657** **The role of prostanoids for stress induced left ventricular diastolic dysfunction in non-severe COPD patients**
Radostina Cherneva (Sofia, Bulgaria), Zheina Cherneva, Paulina Sugareva, Rosen Petkov, Dimitar Kostadinov
-
- PA2658** **The impact of aging on COPD, cardiovascular comorbidities and systemic inflammation**
Emanuela Tudorache (Timisoara (Timis), Romania), Ovidiu Fira Mladinescu, Cristian Oancea, Noemi Porojan Suppini, Bogdan Timar, Doina Ecaterina Tofolean, Ariadna Petronela Fildan

- PA2659 Relationship between hypoxia and phase angle in COPD and Heart Failure patients**
Aimee Flores Vargas (Ciudad de Mexico, Mexico), Dulce Gonzalez Islas, Rocio Sanchez Santillan, Lesli Verdeja Vendrell, Alan Aldair Ibarra Fernandez, Yuridia Piltzi Montiel, Andrea Samantha Hernandez Lopez, Rafael Hernandez Zenteno, Viridiana Pelaez Hernandez, Karla Balderas Muñoz
- PA2660 Correlation between body mass index and spirometry parameters in chronic obstructive pulmonary disease patients with ischemic heart disease and obesity.**
Olga Nesterovska (Chernivtsi, Ukraine), Iryna Nemish, Ganna Stupnytska, Oleksandr Fediv
- PA2661 Assessment of quality of life (QoL) of patients with COPD and with ST-Segment Elevation Myocardial Infarction (STEMI).**
Elena Klester (Barnaul (Altai Region), Russian Federation), Karolina Klester, Yakov Shoikhet, Irina Sheremetyeva, Alexandra Balitskya
- PA2662 Comparative analysis of global longitudinal strain in patients with ST-segment elevation myocardial infarction (STEMI) with and without concomitant COPD.**
Elena Klester (Barnaul (Altai Region), Russian Federation), Karolina Klester, Yakov Shoykhet, Alexandra Balitskya, Valentina Yarkova, Viktor Nikitin
- PA2663 Pulmonary hypertension in COPD patients: a systematic review and meta-analysis**
Vanessa Bellou (Ioannina, Greece), Lazaros Belbasis, Konstantinos Kostikas, Ioanna Tzoulaki, Evangelos Evangelou
- PA2664 Echocardiographic abnormalities in patients with COPD**
Aimee Flores Vargas (Ciudad de Mexico, Mexico), Rocio Sanchez Santillana, Arturo Orea Tejeda, Dulce Gonzalez Islas, Alan Aldair Ibarra Fernandez, Luis Hernandez Urquieta, Karla Balderas Muñoz, Roberto Davila Ramos, Angelia Jimenez Valentin, Fernanda Salgado Fernandez, Yuridia Pilotzi Montiel, Andrea Samantha Hernandez Lopez
- PA2665 Alterations in water status as risk factor for hospital length stay in COPD and heart failure patients**
Angelia Jiménez Valentín (Mexico City, Mexico), Arturo Orea Tejeda, Dulce Gonzalez Islas, Fernanda Salgado Fernandez, Roberto Davila Ramos, Andrea Samantha Lopez Hernandez, Rocio Sanchez Santillán, Rafael Hernandez Zenteno, Karla Balderas Muñoz, Viridiana Pelaez Hernandez, Alan Ibarra Fernández
- PA2666 Distribution of body water in hospitalized patients with Chronic Obstructive Pulmonary Disease and Right Heart Failure.**
Alan Aldair Ibarra Fernández (Mexico city, Mexico), Dulce González Islas, Arturo Orea Tejeda, Fernanda Salgado Fernández, Angelia Jiménez Valetín, Aimeé Flores Vargas, Rocio Sánchez Santillán, Roberto Davila Ramos, Karla Balderas Muñoz, Viridiana Peláez Hernández
- PA2667 Prevalence of lung function abnormalities in smokers with ischemic heart disease**
Ferdaous Yangui, Amany Touil, Saoussen Antit, Lilia Zakhama, Soraya Ben Youssef, Mohamed Ridha Charfi
- PA2668 Lung function, blood pressure, and QT duration in a Chinese general population: The Xinxiang rural cohort study**
Xiang Zeng (Xinxiang (Henan), China), Dongling Liu, Xiangmei Zhao, Lihui Gui, Weidong Wu
- PA2669 Value of peak oxygen pulse for detection of cardiac comorbidities in patients with chronic obstructive pulmonary disease**
Stefanie Keymel (Dusseldorf, Germany), Deborah Weber, Robert Orzech, Stefan Krüger
- PA2670 Prognostic value of Cardiac Troponin I in AECOPD and its impact on mortality**
Rafi Ahmed Jan (Srinagar (Jammu and Kashmir), India), Umer Hafiz Hafiz, Sana Irshad, Tajamul Hussain

TP-22

Session 287

12:50 - 14:40

Thematic poster: Bronchiectasis

Disease(s) : [Airway diseases](#) [Sleep and breathing disorders](#)

Method(s) : General respiratory patient care Pulmonary function testing Imaging Epidemiology Cell and molecular biology

Chairs : Felix C. Ringshausen (Hannover, Germany), Otto Chris Burghuber (Wien, Austria), Michael Loebinger (London, United Kingdom), Concepcion Prados Sánchez (Madrid, Spain)

- PA2671 Explorative analyses of inflammatory pathways and the effect of azithromycin in bronchiectasis patients**
Yanaika Shari Sabogal Piñeros (Amsterdam, Netherlands), Josje Altenburg, Susanne Vijverberg, Esmee Hoefsmits, Barbara Dierdorp, Tamara Dekker, Wim Boersma, Rene Lutter
- PA2672 Objective cough count in bronchiectasis patients is reproducible and relates to quality of life**
Angela Key (Liverpool (Merseyside), United Kingdom), Kimberley Holt, Jaclyn Smith, Paul Walker
- PA2673 Cardiac Involvement In Chronic Obstructive Pulmonary Disease (COPD) Secondary To Post TB Bronchiectasis V/S Non Post Tb Bronchiectasis**
Kumar Utsav (Varanasi (Uttar Pradesh), India)

- PA2674 Gender differences in patients admitted by exacerbation of bronchial asthma with bronchiectasis**
Jose Rafael Teran Tinedo (Madrid, Spain), Gema Sánchez Muñoz, Christian Castro Riera, Zichen Ji, Ana López De Andres, Rodrigo Jiménez García, Valentín Hernández Barrera, Luis Puente Maestu, Javier De Miguel Díez
- PA2675 Validation of the Danish version of the Bronchiectasis Health Questionnaire (BHQ)**
Mikkel Hvass (Aarhus N, Denmark), Tina N. Gissel, Jette Fly, Kirstine Børsting, Arietta Spinou, Ulla Møller Weinreich
- PA2676 The radiographic bronchiectasis in patients with COPD-OSA overlap syndrome**
Xia Yang (, China), Xin Tang, Jie Cao, Lixia Dong
- PA2677 Factors associated with length of stay of hospitalised exacerbations for non-cystic fibrosis bronchiectasis**
Isaac Fong (Singapore, Singapore), Sean Loh, Aza Taha, Kah Yee Tham, Anthony Yii
- PA2678 Cross-sectional evaluation of serum and sputum calprotectin in bronchiectasis disease monitoring**
Daan Raats (Hasselt, Belgium), Tatjana Decaestecker, Matilda Fogelström, Lieven Dupont, Natalie Lorent
- PA2679 FEV1 measurement at home versus measurement in the hospital in children with asthma and cystic fibrosis**
Rick Gerzon (Maastricht, Netherlands), Quirijn Jöbssis, Michiel Banner, Bjorn Winkens, Edward Dompeling
- PA2680 Co-existence of Bronchiectasis and COPD. Comparison to COPD or Bronchiectasis alone.**
Aikaterini Dimakou (Agia Paraskeyi, Greece), Maria Kaponi, Sofia Koukidou, Ourania Papaioannou, Antonia Dihalaki, Anna Gousiou, Georgios Hillas
- PA2681 The association between bronchiectasis and systemic inflammation**
Asma Jarrar (Tunis, Tunisia), Asma Jarrar, Haifa Zaibi, Nouha Guediri, Rana Fessi, Meriem Ferchichi, Besma Dhahri, Jihen Ben Amar, Hichem Aouina
- PA2682 Late Breaking Abstract - Characteristics of Patients Diagnosed with Severe Asthma at UK Specialist Centres: Variation by Ethnicity**
John Busby (Belfast, United Kingdom), David J Jackson, Adel H Mansur, Andrew Menzies-Gow, Salman Siddiqu, Liam G Heaney, Rekha Chaudhuri, Paul E Pfeffer
- PA2683 Depression in patients with Non-Cystic Fibrosis Bronchiectasis**
Giulia Cacopardo (Palermo (PA), Italy), Federica Cumbo, Lucia Spicuzza, Raffaele Campisi, Claudia Crimi, Giulia Saitta, Ferri Sebastian, Eugenio Aguglia, Nunzio Crimi
- PA2684 Risk Factor for Chronic Obstructive Pulmonary Disease in Never-Smoker Patients with Non-Cystic Fibrosis Bronchiectasis**
Jong Deog Lee (Jinju (Gyeongsangnam-do), Republic of Korea), Seung Jun Lee
- PA2685 Risk factors for the decline of pulmonary function among bronchiectasis patients in Japan**
Masaki Fujita (Fukuoka, Japan), Tomoya Sasaki, Rintaro On, Takato Ikeda, Takemasa Matsumoto
- PA2686 Haemoptysis amongst Asian Non-Cystic Fibrosis Bronchiectasis patients: a unique phenotype**
Si Ling Young (Singapore, Singapore), Si Yuan Chew, Carrie Kah-Lai Leong, Pei Yee Tiew, Mariko Siyue Koh, Gan Liang Tan, Ken Cheah Hooi Lee
- PA2687 Severity of bronchiectasis: FACED Score vs Bronchiectasis Severity Index**
Asma Jarrar (Tunis, Tunisia), Asma Jarrar, Haifa Zaibi, Nouha Guediri, Rana Fessi, Mariem Ferchichi, Besma Dhahri, Jihen Ben Amar, Hichem Aouina
- PA2688 Which score is better in association with exercise capacity and QoL in noncystic fibrosis bronchiectasis patients? FACED or BSI?**
Yelda Varol (Izmir, Turkey), Hulya Sahin, Nimet Aksel, Ali Kadri Cirak
- PA2689 Microbiological and inflammatory characteristics of exacerbations in COPD patients with comorbid radiographic bronchiectasis**
Sibel Atış Naycı (Mersin, Turkey), Eylem Sercan Ozgur, Gamze Çavusoglu Bozdoğan, Cengiz Özge
- PA2690 Age-associated change in respiratory microbiome architecture in healthy Singaporean subjects**
Micheál Mac Aogáin (Singapore, Singapore), Nur Atikah Binte Mohamed Ali, Akina Tsang, Shuen Lee, Kai Deng Fam, Margaret Yap, Chin Leong Lim, Sanjay Haresh Chotirmall

TP-23

Session 288

12:50 - 14:40

Thematic poster: Clinical implications of COPD management

Disease(s) : [Airway diseases](#)

Method(s) : General respiratory patient care Epidemiology Pulmonary function testing Physiology Public health Imaging

Chairs : Eduardo Márquez Martín (Sevilla, Spain), Andre Nyberg (Umeå, Sweden), Florence Schleich (Liège, Belgium), Núria Toledo Pons (Palma De Mallorca, Spain)

- PA2691** **Longitudinal study of CAT in a COPD cohort and its relationship with change in patient's impression of disease severity. Preliminary data.**
Maria Rosaria Vulpi (Toritto (BA), Italy), Enrico Buonamico, Vito Liotino, Michela Dimitri, Alberto Capozzolo, Silvano Dragonieri, Onofrio Resta
-
- PA2692** **EXACT-PRO correlates with FEV1 and systemic inflammation but not airway inflammation**
Ahmed Javid Yousuf (Oxford (Oxfordshire), United Kingdom), Gita Parekh, Sarah Parker, Sara Glover, Jo Finch, Liesl Carr, Vijay Mistry, Annelise Duvoix, Linda O'Brien, Keir Lewis, Christopher Brightling
-
- PA2693** **Features of COPD in correlation with COPD assessment test**
Leila Boussoffara (Mahdia, Tunisia), Imen Touil, Soumaya Bouchareb, Nadia Boudawara, Amani Msakni, Jalel Knani
-
- PA2694** **Benefits of long-term oxygen therapy among COPD patients with moderate resting desaturation**
Ahmed Ben Saad (Monastir, Tunisia), Asma Migaou, Nesrine Fahem, Saousen Cheikh Mhamed, Samah Joobeur, Naceur Rouatbi
-
- PA2695** **Clinical characteristics of COPD and resources in general and specialized COPD outpatient respiratory clinics.**
Gianna Vargas Centanaro (Madrid, Spain), Myriam Calle Rubio, Elena Forcen Vicente De Vera, M. Jose Bernabe Barrios, Soha Smaili, Domingo Sesma Gonzalez, Juan Luis Rodriguez Hermosa
-
- PA2696** **Clinical prediction guides in COPD, a real life evaluation**
Margarida Barata (Lisboa, Portugal), Ricardo Gomes, João Portela, Helena Grumete, Fernando Menezes, José Duarte
-
- PA2697** **Burden and drivers of severe hypoxemia in real life patients with stable COPD**
Maeva Zysman (Montreuil, France), Gaëtan Deslee, Thierry Perez, Pierre Regis Burgel, Olivier Le Rouzic, Graziella Brinchault-Rabin, Pascale Nesme-Meyer, Isabelle Court-Fortune, Gilles Jebrak, Pascal Chanez, Denis Caillaud, Jean Louis Paillasseur, Nicolas Roche
-
- PA2698** **Daily symptom variability in patients with stable COPD in Brazil**
Marcio Penha (Cotia (SP), Brazil), Ana Maria Baptista Menezes, Irma Godoy, Claudia Henrique Costa, Adalberto Rubin, Marcelo Gregorio, Marina Lima, Aldo Albuquerque Neto, Monica Corso Pereira, Suzana Tanni, Rodrigo Athanasio, Elizabeth Bessa, Fernando Wehrmeister, Cristina Lourenco, Alberto Cukier
-
- PA2699** **Home management of severe Chronic Obstructive Pulmonary Disease (COPD): results from a randomized controlled study in Italy**
Maria Adelaide Roggi (Lucca (LU), Italy), Valentina Lorenzoni, Romina Vargiu, Giorgio Corona, Ilaria Palla, Sabrina Santerini, Maria Laura Bartoli, Barbara Vagaggini, Giuseppe Turchetti, Pierluigi Paggiaro
-
- PA2700** **The use of Prevoxair application in patients with COPD.**
Soha Esmaili (, Spain), Juan Luis Rodriguez Hermosa, Antonia Fuster Gomila, Luis Puente Maestu, Carlos Amado Diago, Francisco Callejas González, Rosa Malo De Molina Ruiz, Alfonso Montero Pacios, Myriam Calle Rubio
-
- PA2701** **The validation of the COPD screening questionnaires and establishment for the detection of COPD subjects in the general medical check-up setting.**
Masaki Hanibuchi (Shikoku-Chuo, Japan), Yukari Ishimura, Shinichi Hamada, Atsuro Saijo
-
- PA2702** **Exercise capacity in chronic obstructive pulmonary disease: Cardiopulmonary exercise testing versus 6-minute walk test**
João Pedro Neiva Machado (Coimbra, Portugal), Jose Coutinho Costa, Teresa Costa, Cidalia Rodrigues
-
- PA2703** **Correlation of obstructive pulmonary disease assesment test with spirometric estimated lung age in tunisian patients of stable chronic obstructive pulmonay disease**
Malek Chaabouni (Sfax, Tunisia), Khoulood Kchaou, Rim Kammoun, Malek Chaabouni, Asma Haddar, Leila Triki, Ines Kammoun, Hela Zouari, Kaouthar Masmoudi
-
- PA2704** **Agreement Between COPD Assessment Test (CAT) And Modified Medical Research Council (mMRC) Dyspnea Scores For GOLD COPD Classification: A Cross-Sectional Analyses**
Maria Montes De Oca (Caracas, Venezuela), Ana Menezes, Fernando Wehrmeister, Victorina Lopez, Larissa Ramirez, Marc Miratvilles
-
- PA2705** **HAND GRIP STRENGHT AND CAT SCORE IN COPD**
Ezequiel Baran (Manuel B. Gonnet, Argentina)
-
- PA2706** **COPD Assessment Test (CAT) has a positive relationship with exacerbations in COPD patients.**
Soung-Jun Min (seoul, Republic of Korea), Yil-Seob Lee, Yong-Bum Park, Ho-Kee Yum, Myung-Jae Park, Jee-Hong Yoo
-
- PA2707** **Muscle ultrasound measurements in COPD patients**
Fatma Chermiti Ben Abdallah (Tunis, Tunisia), Imen Bachouch, Nidhal Belloumi, Henda Neji, Soraya Fenniche

PA2708 Factors affecting the development of airflow limitation among cigarette smokers
Won-Kyung Cho (SEOUL, Republic of Korea), Youngmee Kim

TP-24

Session 289

12:50 - 14:40

Thematic poster: Clinical approach to asthma management

Disease(s) : Airway diseases

Method(s) : Pulmonary function testing General respiratory patient care Epidemiology Physiology Respiratory intensive care Public health

Chairs : Carlos Antonio Amado Diago (Santander (Cantabria), Spain), Paola Rogliani (Roma (RM), Italy), Pierluigi L. Paggiaro (Pisa (PI), Italy), Jose Luis Lopez-Campos Bodineau (Sevilla, Spain)

PA2709 Bronchodilator response in adult-onset asthma according to age
Minna Tammola (Jyväskylä, Finland), Ha-Kyeong Won, Pinja Ilmarinen, Heewon Jung, Leena E Tuomisto, Lauri Lehtimäki, Onni Niemelä, Tae-Bum Kim, Hannu Kankaanranta

PA2710 Risk factors for airway remodeling and irreversible airway obstruction in Asthma
Sophie Graff (Liège, Belgium), Catherine Moermans, Monique Henket, Virginie Paulus, Renaud Louis, Florence Schleich

PA2711 The impact of gestation, and its interaction with asthma, on spirometry indices: a longitudinal analysis of lung function in pregnant women with and without asthma.
Megan Jensen (Callaghan, Australia), Annelies Robijn, Peter Gibson, Christopher Oldmeadow, Vanessa Murphy

PA2712 Protocol to identify potential severe asthma in UK primary care
Dermot Ryan (Derby (Derbyshire), United Kingdom), Heath Heatley, Lakmini Bulathsinhala, Victoria Carter, Isha Chaudhry, Naeimeh Hosseini, Ruth Murray, Sinthia Bosnic-Anticevich, Liam Heaney, David Jackson, Rupert Jones, Andrew Menzies-Gow, Paul Pfeffer, John Busby, Alan Kaplan, Eric Van Ganse, Manon Belhassen, Chin-Kook Rhee, Arnaud Bourdin, Peter G Gibson, Trung N Tran, J. Mark Fitzgerald, Mona Al-Aahmad, Vibeke Backer, David Price

PA2713 Under-referral of high risk asthma patients to specialist care in England
Chloe Bloom (London, United Kingdom), Samantha Walker, Jennifer Quint

PA2714 Severe asthma registry from the Institute for pulmonary diseases of Vojvodina: Baseline characteristics
Sanja Hromis (Sremska Kamenica, Republic of Serbia), Marija Dugajlić, Biljana Zvezdin, Violeta Kolarov, Jelena Crnobrnja, Mirjana Jovančević Drvenica, Dunja Sijačić

PA2715 Effect of anti-IL5 treatment on symptoms of chronic rhinosinusitis, otitis and hearing loss in patients with severe eosinophilic asthma
Mirjam I. Wiegman (Leeuwarden, Netherlands), Johannes A. Kroes, Akke-Nynke Van Der Meer, Rolof G. P. Gijtenbeek, Kim De Jong, Anneke Ten Brinke

PA2716 Clinical differences of normal weight, over weight and obese asthma patients
Bilun Gemicioğlu (Istanbul, Turkey), Benan Musellim, Berk Degirmenci, Esra Sari, Emine Karabul, Ipek Calik, Ayse Firuze Ozgokce, Onur Merzifonlu

PA2717 Benefits from Tele-asthma management programme
Olaiya Bronte Moreno (Vitoria-Gasteiz, Spain), Sandra Dorado Arenas, Silvia Pascual Erquicia, Isabel Urrutia Landa, Pedro Pablo España Yandiola, Maria Iciar Arrizubieta Basterrechea, Sonia Rodriguez Pedrosa, Itziar Noria Alonso, Amaia Aramburu Ojembarrena, Txomin Zabala Hernandez, Amaia Artaraz Ereño, Leyre Chasco Eguilaz, Patricia Garcia Hontoria, Ana Jodar Samper

PA2718 A review of diagnoses made in a Severe Asthma Service
Emily Heiden (Winchester (Hampshire), United Kingdom), Rachel Harvey, Ruth De Vos, Jessica Gates, Matthew Jones, David Lodge, Thomas Brown, Anoop Chauhan, Hitasha Rupani

PA2719 "Language" of sibilant rales in patients with asthma and relationship with degree of bronchial obstruction
Yuriy Petrov (Ryazan (Ryazan Oblast), Russian Federation), Irina Ponomareva, Vladimir Abrosimov, Sergey Glotov, Yuriy Byalovsky

PA2720 Association between cough frequency, health status and Th2 inflammation in severe asthma
Joshua Holmes (Belfast (Belfast), United Kingdom), Liam Heaney, Surinder Birring, Hannah Fletcher, Lorcan Mcgarvey

PA2721 Variable expiratory airflow limitation: focus on catamenial asthma
Roman Yatsyshyn (Ivano-frankivsk (Ivano-Frankivsk'ka Oblast'), Ukraine), Petro Gerych, Natalia Cherniuk, Bohdana Doskaliuk, Irena Popadynets, Vira Mygovich

- PA2722** **EVALUATION OF SMALL AIRWAY DISEASE (SAD) IN ASTHMA. CONCORDANCES AND DISCREPANCIES BETWEEN DIFFERENT TECHNIQUES.**
Idoia Salinas Garrido (VIZCAYA, Spain), Nuria Marina Malanda, Elena López De Santamaría, Joseba Andia Iturrate, Elena Garay Llorente, Victor Bustamante Madariaga, Juan Bautista Gáldiz Iturri
-
- PA2723** **Late Breaking Abstract - Determinants of disease control in patients with severe COPD. The CLAVE Study**
Juan José Soler-Cataluña (La Eliana (Valencia), Spain), Pere Almagro, Arturo Huerta, Diego Gonzalez-Segura, Borja G. Cosío
-
- PA2724** **A digital therapy for proactively managing exacerbations and delivering therapeutic benefit to patients with moderate to severe asthma**
Sumanth Swaminathan (New York, United States of America), Anthony Gerber, Klajdi Qirko, Nicholas Wysham, Ethan Corcoran, Ted Smith
-
- PA2725** **Asthma exacerbations with long-term follow-up: a retrospective study**
Naoko Nagano (Tokyo, Japan), Motoyasu Iikura, Shinyu Izumi, Haruhito Sugiyama
-
- PA2726** **Predicting physician decision to prescribe systemic corticosteroids following an exacerbation of airways disease**
Andreas Halner (OXFORD (Oxfordshire), United Kingdom), Sally Beer, Richard Russell, Mona Bafadhel
-
- PA2727** **EVALUATION OF OF SMALL AIRWAYS INFLAMMATORY PARAMETERS IN A GROUP OF ASTHMATIC PATIENTS**
Victor Bustamante Madariaga (Bilbao (Bizkaia), Spain), Idoia Salinas Garrido, Nuria Marina Malanda, Elena López De Santa Maria Miro, Marian Garcia Carreira, Mar Mayor Alvarez, Juan Bautista Galdiz Iturri
-
- PA2728** **LSC - 2019 - Neutrophil gelatinase-associated lipocalin and IL-6 – markers predictors for exacerbations in Asthma - COPD overlap, compared to COPD and Asthma**
Miroslav Mihaylov (Sofia, Bulgaria), Miroslav Mihaylov, Vania Youroukova, Julieta Hristova, Denitsa Dimitrova, Dora Marinova

TP-25

Session 290

12:50 - 14:40

Thematic poster: Asthma and allergies worldwide**Disease(s)** : [Airway diseases](#) [Respiratory critical care](#)**Method(s)** : General respiratory patient care Respiratory intensive care Pulmonary function testing Cell and molecular biology Epidemiology Public health Endoscopy and interventional pulmonology**Chairs** : Susanne J. H. Vijverberg (Utrecht, Netherlands), Ibon Eguiluz Gracia (Málaga, Spain), Anna Konishcheva (Moscow, Russian Federation), Zuzana Diamant (Lund, Sweden)

- PA2729** **Differences in allergen-positive reactivity distribution among adults and children in southern China: an investigation based on real-world medical big data**
Baoqing Sun (Guangzhou (Guangdong), China), Haisheng Hu, Wenting Luo
-
- PA2730** **Characteristics of severe asthma in China with one year follow-up: the C-BIOPRED study**
Qingling Zhang (Guangzhou (Guangdong), China), Xiuhua Fu, Lei Zhu, Wei Gu, Jian Kang, Guochao Shi, Zhongmin Qiu, Huahao Shen, Changzheng Wang, Lina Zhao, Yunqin Chen, Sam Lim, Chang Xiao, Kai Fan Chung, Nanshan Zhong
-
- PA2731** **Allergic sensitization profile of polysensitized asthmatic patients in Southern China using molecule-based IgE technique**
Haisheng Hu, Baoqing Sun, Wenting Luo
-
- PA2732** **Prevalence of food allergies and the quality of life in Korea: finding from the Korea National Health and Nutrition Examination Survey**
SangWon Yoon (Seoul, Republic of Korea), Sang Won Yoon, In-Won Park, Jae-Woo Jung, Jae-Chol Choi, Jae-Yeol Kim, Byoung-Whui Choi, Jong-Wook Shin
-
- PA2733** **Study of fungal allergen and Aspergillus fumigatus component sensitization in a Southern Chinese Cohort**
Wenting Luo (Guangzhou (Guangdong), China), Baoqing Sun, Zehong Wu
-
- PA2734** **Polymorphisms of IL17A/F in Siberian children with different severe asthma**
Svetlana Smirnova (Krasnoyarsk, Russian Federation), Marina Smolnikova, Sergey Tereshchenko
-
- PA2735** **Food allergy and asthma in children from the Eastern Siberia of Russia**
Svetlana Smirnova (Krasnoyarsk, Russian Federation), Anna Barilo, Irina Borisova
-
- PA2736** **The level of exhaled nitric oxide in the inhabitants in the Arctic zone of Western Siberia**
Sergey Andronov (Nadym (Yamal-Nenets), Russian Federation), Andrei Lobanov, Alexandr Emelyanov, Andrei Popov, Liliya Lobanova, Ruslan Kochkin, Elena Bogdanova, Irina Protasova

- PA2737 Risk Factors Associated with Asthma among Adults in Khuzestan, Southwest Iran**
Hanieh Raji (Ahwaz, Islamic Republic of Iran), Maryam Dastoorpoor, Esmacil Idani, Elham Maraghi
-
- PA2738 Lack of association between asthma, atopy and helminthic infection in school-age children in the province of Bengo, Angola**
Margarete Lopes Teixeira Arrais (Luanda, Angola), Ofélia Sachicola, Francisca Quifica, Jorge Gama, Luis Taborda-Barata, Miguel Brito
-
- PA2739 Replication study of asthma exacerbation genes in Latino children and youth**
Antonio Espuela (San Cristobal de la Laguna, Spain), Esther Herrera Luis, Natalia Hernandez-Pacheco, Scott Huntsman, Celeste Eng, Esteban G. Burchard, Fabian Lorenzo-Díaz, Maria Pino-Yanes
-
- PA2740 Poor asthma control and high prevalence of sensitization to dust mites, *Blomia tropicalis*, in Polynesian asthmatic patients**
Michael Phelippeau (Taravao, French Polynesia), Guillaume Lezmi
-
- PA2741 Association of asthma control with allergic rhinitis severity in adult patients**
Triya Damayanti, Deasi Anggraini, Fersia Liza, Wiwien Wiyono
-
- PA2742 Significance of spirometry lung examination and complete blood count values in patients with asthma, chronic urticaria and Hymenoptera venom allergy**
Grzegorz Kardas (Łódź, Poland), Agnieszka Daszyńska-Kardas, Marta Ambrożewicz, Agata Gabryelska, Radosław Wujcik, Piotr Kuna, Michał Panek
-
- PA2743 Allergen-specific IgE patterns in allergic diseases of respiratory system with atopic dermatitis.**
Svetlana Smirnova (Krasnoyarsk, Russian Federation), Anna Barilo, Irina Borisova
-
- PA2744 The structure of sensitization to aeroallergens in children with atopic bronchial asthma**
Mariya Gluhova (Moscow, Russian Federation), M.Yu. Nilova, E.V. Tush, T.I. Eliseeva, I.I. Balabolkin, V.A. Bulgakova, L.R. Murakaeva, N.A. Popova, I.A. Klimanov, S.K. Soodaeva
-
- PA2745 Fertility treatment among asthmatic women with life births – Associated with perennial allergy?**
Casper Tidemandsen (København NV, Denmark), Anne Vejen Hansen, Vibeke Backer, Elisabeth Juul Gade, Zarqa Ali, Charlotte Suppli Ulrik
-
- PA2746 Early and late onset asthma: are they the same?**
Maria Alvarenga Santos (Loures, Portugal), Joana Afonso Branco, Mariana Ramalho, Catarina Custódio, Filipa Todo Bom, Sofia Furtado
-
- PA2747 Economic burden of severe asthma associated with blood eosinophil elevation before introduction of Monoclonal Antibody Therapy**
Cristina De Juana Izquierdo (VALENCIA, Spain), Eva Martínez-Moragón, María Climent, Inmaculada Lluch, Eusebi Chiner, Marta Acosta, Andrea Esteve, Sergio Calvache, María José Bueso
-
- PA2748 Analysis of psychological variables – depression levels, anxiety and mood traits - in patients with asthma, chronic urticaria and Hymenoptera venom allergy**
Grzegorz Kardas (Łódź, Poland), Agnieszka Daszyńska-Kardas, Marta Ambrożewicz, Agata Gabryelska, Radosław Wujcik, Piotr Kuna, Michał Panek

TP-26

Session 291

12:50 - 14:40

Thematic poster: Clinical aspects of airway diseases**Disease(s) :** Airway diseases Respiratory critical care**Method(s) :** Pulmonary function testing Public health General respiratory patient care Cell and molecular biology Respiratory intensive care Epidemiology Physiology**Chairs :** Gareth Hynes (Oxford (Oxfordshire), United Kingdom), Shamsah Kazani (Cambridge, United States of America), Peter Wark (New Lambton Heights (NSW), Australia), Christina Bal (Wien, Austria)

- PA2749 The prevalence and clinical characteristics of T2-high and T2-low endotype of severe uncontrolled asthma distinguished by combining popular type-2 biomarkers**
Keiji Oishi (Ube, Japan), Tsunahiko Hirano, Kazuki Matsuda, Kazuki Hamada, Sho Uehara, Ryo Suetake, Yoshikazu Yamaji, Maki Asami-Noyama, Nobutaka Edakuni, Kazuto Matsunaga

- PA2750 The prevalence of subtypes of type-2 inflammation in a real-life population of patients with difficult-to-control asthma**
Laurits Frøssing (Copenhagen V, Denmark), Anna Von Bülow, Vibeke Backer, Celeste Porsbjerg

- PA2751 The German Severe Asthma Registry and Type 2-high and Type 2-low asthma phenotypes**
Stephanie Korn (Mainz, Germany), Andrea Koch, Christian Schulz, Monika Gappa, Hartmut Timmermann, Rainer Ehmann, Maren Schuhmann, Eckard Hamelmann, Roland Buhl
-
- PA2752 The Impact of Current Smoking on Severe Asthma in the Wessex Severe Asthma Cohort**
Jessica Gates (Tunbridge Wells, United Kingdom), Thomas Brown, Thomas Jones, Scott Elliott, Kerry Gove, Clair Barber, Anoop Chauhan, Peter Howarth
-
- PA2753 Dupilimab Efficacy in Patients with Uncontrolled, Moderate-to-Severe Asthma by Body Mass Index**
Stephanie Korn (Mainz, Germany), William W. Busse, José María Echave-Sustaeta, Anne E. Dixon, Janos Mucsi, Megan S. Rice, Yamo Deniz, Paul Rowe, Heribert W. Staudinger, Nikhil Amin, Marcella Ruddy, Neil M.H. Graham, Ariel Teper
-
- PA2754 Physical activity pattern of severe asthmatic patients treated with biological therapy.**
Giovanna Elisiana Carpagnano (Bari, Italy), Giulia Scioscia, Giovanni Messina, Donato Lacedonia, Francesco Sessa, Maria Pia Foschino Barbaro, Giorgia Lepore, Carla Quarato, Maria Pia Venuti, Annarita Depalo, Cristina Colanardi
-
- PA2755 Diagnostic value of combined sIgG and sIgE of *Aspergillus fumigatus* in allergic broncho pulmonary aspergillosis and severe asthma with fungal sensitisation**
Haisheng Hu, Baoqing Sun, Huimin Huang
-
- PA2756 Cost analysis for patients with severe asthma receiving omalizumab treatment**
Kurtuluş Aksu (Ankara, Turkey), Hale Ateş, Özlem Özdedeoğlu, Buket Başa Akdoğan, Ilkay Koca Kalkan, Gözde Köycü Buhari, Ferda Öner Erkeköl
-
- PA2758 EVALUATION OF THE IMMUNOGLOBULIN G LEVEL AND THE GAMMAGLOBULIN FRACTION OF THE PROTEINOGRAM IN THE COPD EXACERBATOR PHENOTYPE**
Jordi Juanola Pla (Mataro, Spain), Ramon Boixeda Viu, Isabel Moreno Hernandez, Maria Bartolomé Regue, Mireia Garcia Caballero, Analia Duran Molina, Mariona Perez Godia, Elisabet Palomera Fanegas, Mateu Serra-Prat, Jordi Almirall Pujol
-
- PA2759 The relationship between frailty and Patient-Reported Outcomes in elderly patients with stable asthma**
Masaaki Kusunose (Obu, Aichi, Japan), Ryo Sanda, Ayumi Narita, Koichi Nishimura
-
- PA2760 New view at the problem of COPD with bronchial asthma (A)**
Lyudmyla Konopkina (Dniepropetrovsk, Ukraine), Alina Babenko, Tetyana Pertseva, Larysa Botvinikova, Olena Myronenko
-
- PA2761 Microbiological features of the indicators of bronchial asthma (BA) and chronic obstructive pulmonary disease (COPD) during remission**
Mariya Smirnova (Yaroslavl (Yaroslavl Oblast), Russian Federation), Galina Osipova, Tatiana Ospelnikova, Galina Danilina, Kirill Zykov
-
- PA2762 Roles of sensitization to staphylococcus enterotoxin in patients with obstructive lung diseases**
Chie Morimoto (Kyoto, Japan), Hisako Matsumoto, Susumu Sato, Tsuyoshi Oguma, Atsuyasu Sato, Noriyuki Tashima, Yumi Ishiyama, Hironobu Sunadome, Tadao Nagasaki, Isao Ito, Shigeo Muro, Toyohiro Hirai
-
- PA2763 Microbiome landscape and disease duration role in allergy in adult patients with bronchiectasis**
Kateryna Gashynova (Dnipro, Ukraine), Kseniia Suska, Valeriia Dmytrychenko
-
- PA2764 Bronchiectasis and aspergillus-associated diseases in severe asthma**
Paolo Solidoro (Moncalieri (TO), Italy), Francesca De Blasio, Davide Dassetto, Renza Ambrosanio, Annamaria Rella, Luca Riberi, Caterina Bucca
-
- PA2765 Increased relative levels of IgG subclasses, mainly IgG3, in patient with bronchiectasis and history of exacerbations; preliminary results from a single tertiary center.**
Pia Ghosh (Stockholm, Sweden), Ingrid Gerhardson, Barbro Dahlen, Apostolos Bossios
-
- PA2766 Peripheral blood eosinophilia and sensitization to *Aspergillus fumigatus* in adult patients (pts) with non-cystic fibrosis bronchiectasis (B)**
Kateryna Gashynova (Dnipro, Ukraine), Valeriia Dmytrychenko, Kseniia Suska
-
- PA2767 Bronchial inflammation, respiratory symptoms and lung function in patients who finished treatment for pulmonary tuberculosis: is it the beginning of a new disease?**
Ileana Palma (Ciudad Autónoma Buenos Aires, Argentina), Liliana Castro Zorrilla, Analía Resguardo, Daniel Martinez, Diana Troncoso, Vilma Cruz, Jose Vina, Leandro Alves, Marcela Natiello, Rosa Estevan, Nuria Lazari, María Ines Medin, Sandra Inwentarz, Alejandro Videla, Domingo Palmero
-
- PA2768 Relationship between atopy, asthma and alpha-1 antitrypsin deficiency**
Alberto Fantin (Parma, Italy), Marina Aiello, Annalisa Frizzelli, Chiara Longo, Melissa Negri, Francesco Bonatti, Antonio Percesepe, Giuseppina Bertorelli, Ernesto Crisafulli, Iliaria Ferrarotti, Roberta Pisi, Alfredo Chetta

TP-27

Session 292

12:50 - 14:40

Thematic poster: Asthma epidemiology in the 21st century**Disease(s) :** [Airway diseases](#)**Method(s) :** Epidemiology Public health General respiratory patient care Physiology**Chairs :** Jennifer Quint (Wimbledon, United Kingdom), Bo Lundback (Göteborg, Sweden), Sven-Arne Jansson (Umeå, Sweden), Grzegorz Bro ek (Katowice, Poland)

- PA2769 Seasonal influenza vaccination in Canadian adolescents with and without asthma.**
Yue Chen (Ottawa (ON), Canada), Xiao-Mei Mai
-
- PA2770 Use of PFT (spirometry) to diagnose and manage asthma in Ontario, Canada, 2000-2016**
Emilie Terebessy (Toronto (ON), Canada), Jingqin Zhu, Rachel Mcgihon, Ivy Fong, Jocelyn Liang, Teresa To
-
- PA2771 Respiratory health services use among children and adolescents in Ontario, Canada: A population-based study of trends from 2006-2016**
Ivy Fong (Toronto, Canada), Rachel Mcgihon, Emilie Terebessy, Jocelyn Liang, Jingqin Zhu, Teresa To
-
- PA2772 Damp housing is a risk factor for atopic asthma in a First Nations population of adults**
Donna Rennie (Saskatoon (SK), Canada), Chandima Karunanayake, Joshua Lawson, Shelley Kirychuk, James Dosman, Sylvia Abonyi, Jeremy Seesequasis, Pawha Punam
-
- PA2773 Sex hormones and asthma in a nationwide study of U.S. adults**
Erick Forno (Pittsburgh, United States of America), Yueh-Ying Han, Juan C. Celedon
-
- PA2774 Asthma and affective traits in adults: a genetically informative study**
Bronwyn Brew (Stockholm, Sweden), Kelli Lehto, Nancy Pedersen, Yi Lu, Catarina Almqvist
-
- PA2775 Assessment of fitness to dive in candidates with possible asthma – a pilot study**
Charlotte Suppli Ulrik (Virum, Denmark), Amalie Ustrup, Signe Knag Pedersen
-
- PA2776 Body mass index at school age and hospital admissions for asthma and chronic obstructive pulmonary disease in middle-age and elderly adults: A prospective study of 240,293 children**
Charlotte Suppli Ulrik (Virum, Denmark), Zorana Andersen, Jenifer Baker, Thorkild Sørensen, Søren Lophaven
-
- PA2777 Gestational weight gain in asthmatic women and asthma in the offspring**
Charlotte Suppli Ulrik (Virum, Denmark), Zarqa Ali, Gregor Jemec
-
- PA2778 Asthma is still a risk factor for mortality in Sweden and Norway – the Nordic EpiLung Study**
Helena Backman (Lulea, Sweden), Laxmi Bhatta, Linnea Hedman, Ben Brumpton, Iida Vähätalo, Paul G. Lassman-Klee, Bright I. Nwaru, Xiao-Mei Mai, Sigrid Anna Vikjord, Anne Lindberg, Bo Lundbäck, Eva Rönmark, Arnulf Langhammer
-
- PA2779 Low income rather than low education is associated with respiratory symptoms in northern Sweden**
Christian Schyllert (Luleå, Sweden), Linnea Hedman, Caroline Stridsman, Pinja Ilmarinen, Päivi Piirilä, Steinar Krokstad, Bo Lundbäck, Anne Lindberg, Eva Rönmark, Helena Backman
-
- PA2780 Impact of asthma diagnosis during pregnancy on perinatal outcomes**
Cristina Longo (Amsterdam, Netherlands), Mireille Schnitzer, Amélie Forget, Lucie Blais
-
- PA2781 The course of asthma in preschool children with asthma**
Oluwafemi Oluwole (Saskatoon (SK), Canada), Donna Rennie, Donna Goodridge, Trent Litzenberger, Luan Chu, Ulfat Khanam, Josh Lawson
-
- PA2782 Asthma is associated with frailty: the GAZEL cohort**
Benjamin Landré (Paris, France), Rachel Nadif, Marcel Goldberg, Marie Zins, Joël Ankri, Marie Herr
-
- PA2783 Association between asthma and allergic diseases and circadian preference (chronotype) of the adolescents**
Prasun Haldar (Kolkata, India), Smriti Debnath, Santi Gopal Maity, Ritabrata Mitra, Moumita Biswas, Soumya Bhattacharjee, Sujoy Saha, Aratrika Das, Soumya Sengupta, Isabella Annesi-Maesano, Judith Garcia-Aymerich, Atanu Ghosh, Arghya Bandyopadhyay, Dwiptirtha Chattopadhyay, Saibal Moitra, Subhabrata Moitra
-
- PA2784 Incidence and remission of asthma in Australian children: findings from a population cohort**
Guy Marks (Sydney (NSW), Australia), Rose Ampon, Leanne Poulos, Helen Reddel
-
- PA2785 London-wide variation in ambulance activity for paediatric asthma**
Duke Razon (Stockton-on-Tees, United Kingdom), Ingrid Wolfe, Richard Iles, Joanne Nevett, Katy Pike

PA2786 **Effect of host and environmental factors on asthma control: AIS LIFE project.**
Sandra Baldacci (Pisa (PI), Italy), Sara Maio, Marzia Simoni, Anna Angino, Patrizia Silvi, Stefania La Grutta, Giovanni Viegi, Franco Ruggiero, Gianni Bedini, Francesca Natali, Lorenzo Cecchi, Marija Prentovic, Uwe Berger, Amir Moustafa, Isabella Annesi-Maesano, Samuel Monnier, Michel Thibaudon, Simone Orlandini

PA2787 **Late Breaking Abstract - Wheeze phenotypes from very early infancy to 5 years: the CHILD Cohort Study.**
Padmaja Subbarao (Toronto (ON), Canada), Ruixue Dai, Maxwell Tran, Theo Moraes, Wendy Lou, Allan Becker, Piush Mandhane, Stuart Turvey, Malcolm Sears

PA2788 **Late Breaking Abstract - Characteristics of T2-biomarker low severe asthma patients in the UK Severe Asthma Registry (UKSAR)**
John Busby (Belfast, United Kingdom), Paul E Pfeffer, David J Jackson, Adel H Mansur, Andrew Menzies-Gow, Salman Siddiqu, Rekha Chaudhuri, Liam G Heaney

TP-28

Session 293

12:50 - 14:40

Thematic poster: Tuberculosis epidemiology, bronchiectasis, other infections and spirometry

Disease(s) : Airway diseases Sleep and breathing disorders Respiratory critical care

Method(s) : Epidemiology General respiratory patient care Public health Imaging Pulmonary function testing

Chairs : Giovanni Sotgiu (Porto Torres (SS), Italy), Sarah Brode (Toronto (ON), Canada), Eva Polverino (Barcelona, Spain), Guillermo Jose Perez Mendoza (Las Palmas, Spain)

PA2789 **Identifying and mapping TB hot spots in an urban slum by integrating geographic positioning system and the local postman - A PILOT STUDY**
Chitra Chandrashekar (Hyderabad (Andhra Pradesh), India), Venkata Sanjeev Kumar Neela, Vijayalakshmi Valluri

PA2790 **Etiology and clinical characteristics of bronchiectasis in Taiwan: a multi-center cohort study**
Hung Yu Huang (Taipei, Taiwan), Chun-Yu Lo, Fu-Tsai Chung, Chih-Hsin Yeh, Chun-Hua Wang

PA2791 **Treatment Outcomes of Tuberculosis among New Smear Positive and Retreatment Cases: Retrospective Study in Two Egyptian Governorates**
Gehan H. Abo E-Magd (Tanta, Egypt), Fawzy El Emeiry, Safynaz Shalaby, Marwa Madi

PA2792 **The Disease Burden of Bronchiectasis in Korea: A National Database Study**
Bumhee Yang (Seoul, Republic of Korea), Hye Yun Park, Danbee Kang, Juhee Cho, Jae Seung Lee, Sei Won Lee, Yeon-Mok Oh, Sang-Heon Kim, Jang Won Sohn, Ho Joo Yoon, Hyun Lee

PA2793 **Catastrophic total costs due to tuberculosis among affected households in Uganda; prevalence, drivers and policy implications.**
Charles Batte (Kampala, Uganda), Bruce Kirenga, Achilles Katamba, Inés Garcia Baena

PA2794 **Pattern of Periodontal diseases in Hospitalized Patients with Non-Tubercular Respiratory diseases**
Ajay Kumar Verma (Lucknow (Uttar Pradesh), India), Abhaya Gupta, Arpita Singh, Surya Kant, Ram Awadh Singh Kushwaha, Umesh Pratap Verma, Hemant Kumar, Anuj Pandey

PA2795 **Indoor urban environment and conventional risk factors for paediatric tuberculosis among 1-12 years old children in a megacity in Pakistan: a matched case control study**
Ambreen Sahito (Karachi, Pakistan), Fehmina Arif, Zafar Fatmi, Masood Kadir

PA2797 **Increased Risk of Heart Failure In Patients of Bronchiectasis – A Nationwide Population-Based Study**
Yu-Chen Tsai (Kaohsiung, Taiwan), Ming-Ju Tsai, Chia-Min Chen, Jen-Yu Hung, Chau-Chyun Sheu, Inn-Wen Chong

PA2798 **Late Breaking Abstract - CMV serology and COPD-related mortality: a longitudinal study**
Raffaella Nenna (Tucson, United States of America), Jing Zhai, Samuel Packard, Amber Spangenberg, Duane Sherrill, Fernando Martinez, Marilyn Halonen, Stefano Guerra

PA2799 **Spirometric features in non-smoking women exposed to wood smoke**
Salma Mokaddem Mohsen (Tunis, Tunisia), Soumaya Khaldi, Khadija Ayed, Islem Latifa Hadj Khelifa, Najla Oueslati, Saloua Ben Khamsa Jameleddine

PA2800 **Are spirometry indices associated with microvascular complications in type 1 diabetes subjects?**
Smita Dhadge (Pune, India), Alma Baptist, Rohan Shah, Smita Dhadge, Sanjay Shah, Kalpana Jog, Chittaranjan Yajnik, Sundeep Salvi

PA2801 **Is the association between physical activity and lung function due to reverse causation? An application of exploratory and causal approaches**
Annabelle Bédard (Barcelona, Spain), Simone Accordini, Anne-Elie Carsin, Shyamali Dharmage, Elaine Fuertes, Vanessa Garcia-Larsen, Joachim Heinrich, Christer Janson, Deborah Jarvis, Ane Johannessen, Bénédicte Leynaert, José Antonio Maldonado Pérez, Gabriela Prado Peralta, Isabelle Pin, Giulia Squillaciotti, Joost Weyler, Judith Garcia-Aymerich

PA2802 Factors affecting early adult lung function
Mohit Aggarwal (Delhi, India), Navya Mishra, Anurag Agrawal, Sundeep Salvi, Chittaranjan Yajnik, Tanica Lyngdoh

PA2803 Observational study of adult patients with uncontrolled asthma in pneumology outpatients clinics in Slovenia
Stanislav Kajba (Celje, Slovenia)

PA2804 Gender differences in the prevalence of dyspnea
Stanislav Kotlyarov (Ryazan, Russian Federation), Aleksei Bulgakov

PA2805 Differentiating asthma from chronic obstructive pulmonary disease (COPD) in medico-economic databases: myth or reality?
Arnaud Bourdin (Montpellier Cedex 5, France), Milka Maravic, Raphaël Sigogne, Nicolas Roche, Sara Mounir, Dejan Milic, Morgan Geoffroy, Stéphane Gaïffas, Emmanuel Bacry

PA2806 Who do we exclude if we only consider subjects with excellent quality spirometry? Analysis of UK Biobank longitudinal data.
Alexandra Lenoir (Lausanne, Switzerland), James Potts, Jennifer Quint, Deborah Jarvis

PA2807 Elevated serum high sensitive cardiac Troponin I is associated with mortality among adults with Restrictive Spirometric Pattern
Ulf Nilsson (Umeå, Sweden), Petra Sandin, Sara Johansson, Helena Backman, Anders Blomberg, Lenita Lindgren, Anne Lindberg

PA2808 Late Breaking Abstract - Geographic accessibility and chronic respiratory disease outcomes: a decision support tool
Shabnam Asghari (St. John's, NL, Canada), Oliver Hurley, Gelareh Ghaderi, Masoud Mahdavian

TP-29

Session 294

12:50 - 14:40

Thematic poster: Environment, work and respiratory health in occupational and environmental lung diseases

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#) [Thoracic oncology](#)

Method(s) : Physiology General respiratory patient care Epidemiology Pulmonary function testing Public health Cell and molecular biology Imaging

Chairs : Vivi Schlüsslen (Århus C, Denmark), Gareth Walters (Birmingham (West Midlands), United Kingdom), Torben Ingvar Sigsgaard (Århus, Denmark), Metin Akgün (Erzurum, Turkey)

PA2809 Occupational asthma audit criteria - do they meet the needs of UK specialist clinicians?
Christopher Barber (Sheffield (South Yorkshire), United Kingdom), David Fishwick

PA2810 Assessing the impact of workers' prior experience of lung function testing and potential effects on future testing
Jade Sumner (Buxton (Derbyshire), United Kingdom), Edward Robinson, Ruth Wiggans, Chris Barber, David Fishwick

PA2811 Design and validation of a questionnaire for asbestos exposure for clinical practice
Julia Sampol Sirvent (Barcelona, Spain), José María Ramada Rodilla, Santos Hernández Carrascosa, Rafael Panadés Valls, María Jesús Cruz Carmona, Daniel Álvarez Simon, Jaume Ferrer Sancho

PA2812 Development and validation of a scale to assess cotton dust related knowledge, attitude and practices among textile workers: The Multi-TEX Scale
Natasha Shaukat (Karachi, Pakistan), Asaad Nafees, Zafar Fatmi

PA2813 Trends of asbestos-related occupational diseases in Finland in 2005-2015
Irmeli Lindström (Helsinki, Finland), Hille Suojalehto, Johanna Lehtimäki, Kirsi Koskela

PA2814 Pneumococcal vaccination for preventing occupationally acquired infections in healthcare workers
Lyubov Shpagina (Novosibirsk, Russian Federation), Ilya Shpagin, Olga Kotova, Galina Kuznetsova, Evgenij Loktin, Anastasiya Rukavitsyna

PA2815 OCCUPATIONAL TUBERCULOSIS IN A LOW PREVALENCE COUNTRY DURING 2005-2015
Irmeli Lindström (Helsinki, Finland), Kirsi Koskela, Johanna Lehtimäki, Hille Suojalehto

PA2816 The role of the innate immune system in a mouse model of chemical-induced asthma
Jeroen Vanoirbeek (Leuven, Belgium), Lore Pollaris, Tatjana Decaestecker, Anne-Charlotte Jonckheere, Hung-Chang Tsui, Greetje Vande Velde, Benoit Nemery, Peter Hoet

PA2817 Cobalt chloride can induce a respiratory immune response after dermal exposure in a mouse model
Hung-Chang Tsui (Leuven, Belgium), Tatjana Decaestecker, Kaat Dekoster, Anne-Charlotte Jonckheere, Steven Ronsmans, Greetje Vande Velde, Benoit Nemery, Peter Hoet, Jeroen Vanoirbeek

- PA2818** **YKL-40 and KL-6 in serum and sputum samples of patients diagnosed with hypersensitivity pneumonitis.**
Silvia Sánchez-Díez (Barcelona, Spain), María Jesús Cruz, Miquel De Homdedeu, Iñigo Ojanguren, Christian Romero-Mesones, Ana Villar, Xavier Muñoz
-
- PA2819** **Prevalence of sensitization to avian or fungal proteins in different work environments.**
Silvia Sánchez-Díez (Barcelona, Spain), María Jesús Cruz, Miquel De Homdedeu, Tomás Montalvo, Iñigo Ojanguren, Christian Romero-Mesones, Juan Carlos Senar, Sandra Franco-Gutiérrez, Víctor Peracho-Tobeña, Xavier Muñoz
-
- PA2820** **Severe emphysema and not progressive fibrosis, as the long-term sequela of hypersensitivity pneumonitis caused by a contaminated humidifier**
Gareth Walters (Birmingham (West Midlands), United Kingdom), Alastair Robertson, Sherwood Burge
-
- PA2821** **Characteristics of a cohort of patients with work related asthma in a monographic consultation of asthma.**
Roxana Genoveva Chirinos Guevara (barcelona, Spain), Christian Romero Mesones, Maria Jesús Cruz Carmona, Iñigo Ojanguren, Donghai Ma, Siilvia Sánchez, Miquel Dehomdedeu, Xavier Muñoz
-
- PA2822** **Dust exposure and respiratory status of workers in the wood processing industry in Benin City, Nigeria**
Joshua Aigbirior (Benin City, Nigeria), Ogie Tada Ehondor, Eruke Elizabeth Egbagbe, Gregory Efosa Erhabor
-
- PA2823** **Respiratory Health and Urinary Trace Metals among Artisanal Stone-crushers: a Cross-sectional Study in Lubumbashi, DR Congo**
Tony Kayembe-Kitenge (Lubumbashi, Democratic Republic of the Congo), Patrick Katoto Chimusa, Paul Musa Obadia, Georges Kalenga Ilunga, Cyrille Katshiez Nawej, Tim Nawrot, Sebastien Mbuyi-Musanzayi, Vincent Haufroid, Célestin Banza Lubaba Nkulu, Benoit Nemery
-
- PA2824** **Chronic obstructive pulmonary disease in dairy farmers - assessment by job exposure matrices**
Sasho Stoleski (Skopje, North Macedonia), Jordan Minov, Jovanka Karadzinska Bislimovska, Dragan Mijakoski, Aneta Atanasovska, Dragana Bislimovska
-
- PA2825** **Respiratory symptoms, lung function changes, and COPD in lead-zinc miners**
Dragan Mijakoski (Skopje, North Macedonia), Jovanka Karadzinska-Bislimovska, Sasho Stoleski, Jordan Minov, Dragana Bislimovska, Aneta Atanasovska
-
- PA2826** **Imaging and functional disorders in occupational bronchiolitis, follow-up 1,7 years**
Galina P. Orlova (St. Petersburg, Russian Federation), Natalya S Yakovleva
-
- PA2827** **Lung function, blood markers and genetic polymorphisms differences, between subjects exposed and not to silica**
Elisa Lombardi (São Paulo (SP), Brazil), Fernanda Gonçalves, Isabela Firigato, Mario Terra-Filho, Gustavo Prado, Ubiratan Santos

TP-30

Session 295

12:50 - 14:40

Thematic poster: Air pollution and the lungs**Disease(s) :** [Airway diseases](#) [Interstitial lung diseases](#)**Method(s) :** Epidemiology Public health Pulmonary function testing Physiology Cell and molecular biology Imaging**Chairs :** Rafael E. de la Hoz (New York, United States of America), Paul Cullinan (London, United Kingdom), Matthew Loxham (Southampton (Hampshire), United Kingdom), Isabella Annesi Maesano (Paris, France)

- PA2828** **Wood smoke exposure induces the activation of bronchoalveolar lavage lymphocytes**
Maria Sehlstedt (Umeå, Sweden), Ala Muala, Jamshid Pourazar, Gregory Rankin, Oskari Uski, Annelie Behndig, Christoffer Boman, Natxo Garcia Lopez, Robert Lindgren, Thomas Sandström, Anders Blomberg
-
- PA2829** **Small airways effects of exposure to wood smoke**
Ala Muala (Umeå, Sweden), Rebecka Österdahl, Maria Sehlstedt, Greg Rankin, Jamshid Pourazar, Jenny Bosson, Christoffer Boman, Robert Lindgren, Natxo Garcia Lopez, Annelie Behndig, Anders Blomberg, Thomas Sandström, Fredrik Öhberg
-
- PA2830** **Wildfire Smoke Exposure During Infancy Results in Impaired Lung Function**
Maarten Lanclus (Vremde, Belgium), Jed Bassein, Sandya Ganesh, Myra Dela Pena-Ponce, Jan De Backer, Dennis Belmans, Cedric Van Holsbeke, Lisa Miller
-
- PA2831** **Mitigating the health effects of Desert Dust Storms through exposure reduction approaches: The LIFE MEDEA Asthma study.**
Panayiotis Kouis (Nicosia, Cyprus), Eleni Michailidi, Stefania I. Papatheodorou, Maria G. Kakkoura, Eleni Dimitriou, Petros Koutrakis, Emmanuil Galanakis, Panayiotis K. Yiallourous
-
- PA2832** **Evaluation of respiratory symptoms and lung function in adolescents living in a ceramic industrial park zone**
Rafael Futoshi Mizutani (São Paulo (SP), Brazil), Mário Terra-Filho, Telma Santos Nery, Cleide Lopes, Renata Ferlin Arbex, Marcos Abdo Arbex, Rafael Stelmach, Ubiratan Paula Santos

- PA2833 Identification of the major contributing sources to ambient PM2.5 oxidative potential in Athens, Greece**
Constantinos Sioutas (Los Angeles, United States of America), Sina Taghvaei, Mohammad H. Sowlat, Evangelia Diapouli, Manousos Ioannis Manousakas, Vasiliki Vasilatou, Kostas Eleftheriadis
- PA2834 The effects of ambient air pollution on the risk of hospitalisation with acute respiratory illnesses in children: an overview of systematic reviews.**
Charlotte King (London, United Kingdom), Anna Elisa Surace, Graham Jeffers, Daniel Hawcutt, Ian Sinha
- PA2835 Airways inflammation in healthy individuals induced by traffic pollution can be sensed by fractional exhaled breath temperature (fEBT)**
Marina Labor (Zagreb, Croatia), Ivana Huljev Šipoš, Tin Gojević, Davor Plavec
- PA2836 Biodiversity and inflammatory properties of *Aspergillus section Versicolores* - what flood has to do with it?**
Maja Šegvic Klaric (Zagreb, Croatia), Daniela Jakšić, Sándor Kocsubé
- PA2837 Chronic obstructive pulmonary disease in urban bus drivers**
Jordan Minov (Skopje, North Macedonia), Saso Stoleski, Kristin Vasilevska, Dragan Mijakoski, Aneta Atanasovska, Dragana Bislimovska
- PA2838 Chronic Obstructive Pulmonary Disease (COPD) in non-smoking Sri Lankan adults.**
Kirthi Dias Gunasekera (Colombo, Sri Lanka), D Lakmali Amarasiri, Amitha Fernando, Rajitha Wickramasinghe
- PA2839 The Impact of Air Pollution, Including Asian Sand Dust, on Respiratory Symptoms and Health-related Quality of Life in Outpatients With Chronic Respiratory Disease in Korea**
Cheol-Hong Kim (Gyeonggi-do, Republic of Korea), Motoyuki Nakao, Yoko Ishihara, Dong-Gyu Kim
- PA2840 Blood lead levels based on smoking status and COPD**
Joo Hun Park (Suwon, Republic of Korea), Seung Soo Sheen, Keu Sung Lee, Eunyoung Lee, Bumhee Park
- PA2841 Air Pollution and Hospital Admission for Respiratory Diseases in Athens, Greece**
Maria Gangadi (Athens (Alimos), Greece), Georgios Dounias, Petros Bakakos, Vasilios Panagoulas, Efthimios Zervas, Nikoleta Rovina, Paraskevi Katsaounou
- PA2842 The risk factors analysis of chronic obstructive pulmonary diseases in the clean-up workers of Chornobyl NPP accident**
Lyudmila I. Shvayko (Kyiv, Ukraine), Kostiantyn Bazyka, Viktor Sushko
- PA2843 Household Biomass Particulate Matter Increases Susceptibility to *Streptococcus pneumoniae* Infection**
Lisa Miyashita (London, United Kingdom), Gary Foley, Ruairaidh Dobson, Ana M Rule, Sean Semple, Jonathan Grigg
- PA2844 The increased urinary polycyclic aromatic hydrocarbons (PAH) are associated with chronic obstructive pulmonary disease (COPD) in Dusty Area Cohort of South Korea.**
Da Hae Moon (Chuncheon (Gangwon-do), Republic of Korea), Sung Ok Kwon, Jeongwon Heo, Woo Jin Kim, Seon Sook Han
- PA2845 Ac-SDKP increases α -TAT 1 and promotes the apoptosis in lung fibroblasts and epithelial cells double-stimulated with TGF- β 1 and silica**
Fang Yang (, China)

TP-31

Session 296

12:50 - 14:40

Thematic poster: Tobacco cessation interventions in different settings and populationsDisease(s) : **Airway diseases** **Sleep and breathing disorders**

Method(s) : Epidemiology General respiratory patient care Public health Physiology Cell and molecular biology Pulmonary rehabilitation

Chairs : Rafaela Sofia Biga Campanha (Lisboa, Portugal), Asl Görek Dilekta l (Bursa, Turkey), Athina Diamanti (Pefki, Greece), Isabel Nerin De La Puerta (Zaragoza, Spain)

- PA2846 Impact of the economic crisis on the Portuguese smoking behavior**
Andreia Filipa Fonseca Carriço (Guarda, Portugal), Filipa Fernandes, Marcos Oliveira, Gonçalo Samouco, Rebeca Natal, João Costa, Filomena Luís, Luís Ferreira
- PA2847 Follow-up loss in smoking cessation consultation: can we predict and prevent it?**
Bruno Miguel Oliveira Cabrita (Guimarães, Portugal), Maria Antónia Galego, Daniela Rodrigues, Ana Luisa Fernandes, Cláudia Coelho, Sílvia Correia, Paula Simão, Jorge Ferreira, Joana Amado
- PA2848 AXIETY AND DEPRESSION IN SMOKING CESSATION CLINICS**
Eva B. Cabrera Cesar (Granada, Spain), Carlos Rabade Castedo, Carlos Antonio Amado Diago, José Ignacio De Granda Orive, Federico Fiorentino, Carmen Matesanz Ruiz, Eva Belén De Higes Martinez De Higes Martinez

- PA2849 Ramadan Score: Evaluation of nicotine dependence and smoking cessation**
Med Ghofrane Jaffel (Gafsa, Tunisia), Islam Mejri Ep Ajili, Mohamed Ghofrane Jaffel, Asma Omrane, Samira Mhamdi, Ines Laouini, Selsabil Daboussi, Chiraz Aichaouia, Mohsen Khadhraoui, Zied Moatemri, Rezaieg Cheikh
-
- PA2850 Impact of educational level in smoking cessation**
Ana Cláudia Rodrigues Vieira (Almada, Portugal), Joana Ferra, Joana Carvalho, Inês Oliveira, Cristina Matos, Fernando Nogueira
-
- PA2851 Smoking cessation success according to anxiety levels: experience of a smoking cessation program**
Joana Raquel Monteiro Ferra (Cacém, Portugal), Ana Cláudia Vieira, Joana Sofia Carvalho, Ines Carrilho Oliveira, Cristina Matos, Fernando Nogueira
-
- PA2852 Barriers to smoking cessation: the patient's perspective**
Joana Raquel Monteiro Ferra (Cacém, Portugal), Ana Cláudia Vieira, Joana Sofia Carvalho, Cristina Matos, Fernando Nogueira
-
- PA2853 Comparing smoking cessation behavior, attitudes and knowledge between physicians and nurses**
Ana Luisa Ramos (Lisboa, Portugal), Inês Oliveira, Margarida Mestre, Joana Carvalho, Cristina Matos, Fernando Nogueira
-
- PA2854 Do healthcare professionals' smoking habits affect their interventions for smoking cessation in hospitalized patients?**
Inês Lourenço Farias Carrilho De Oliveira (Almada, Portugal), Ana Luisa Ramos, Ana Margarida Mestre, Joana Carvalho, Cristina Matos, Fernando Nogueira
-
- PA2855 Success predicting factors in smoking cessation in asthma patients.**
Francisco Guillermo Puig Sanchez (sevilla, Spain), Juan Francisco Medina Gallardo, Auxiliadora Romero Falcón, Javier Castilla Guerra, Ana Ruiz Bernal, Laura Carrasco Hernández, Francisco Javier Alvarez Gutiérrez
-
- PA2856 Training in smoking cessation in hospital medical residents**
Miguel Filipe Martins de Matos Navarro Guia (Carnaxide, Portugal), Miguel Silveira, José Pedro Boléo-Tomé, Cecília Pardal, Fernando Rodrigues
-
- PA2857 A study to observe the impact of intense audio visual counselling in tobacco consumers attending tobacco cessation clinic at a tertiary care centre**
Darshan Kumar Bajaj (Lucknow (Uttar Pradesh), India), Surya Kant, Abhishek Dubey, Jyoti Bajpai, Richa Tyagi, Manoj Pandey, Mona Asnani
-
- PA2858 Impact of the diagnosis of a respiratory disease in smoking cessation**
Ana Cláudia Rodrigues Vieira (Almada, Portugal), Joana Ferra, Joana Carvalho, Cristina Matos, Fernando Nogueira
-
- PA2859 Implementation of the new regulations of SEPAR on the treatment of smoking in hospitalized patients**
Eva B. Cabrera Cesar (Granada, Spain), Alicia Ruiz Martin, Alvaro Martinez Mesa, Nuria Reina Marfil, M^a Carmen Vera Sanchez, M^a Carmen Fernandez Aguirre, Jose Luis Velasco Garrido
-
- PA2860 Effect of a single group motivational intervention on smoking cessation among hospital workers.**
Angela Carmen Reina Gonzalez (, Spain), Nuria Reyes, Zulema Palacios Hidalgo, Inmaculada Alfageme, Ines De La Cruz
-
- PA2861 The staff smoking review**
Jessica Gates (Tunbridge Wells, United Kingdom), Daphne Kaklamanou, Thomas Brown, Hitasha Rupani, Emily Heiden, David Lodge, Ruth De Vos, Matthew Jones, Carole Fogg, Anoop Chauhan
-
- PA2862 Characteristics of patients treated with nicotine replacement therapy (NRT) prescribed during hospitalization**
Maria Perez Morales (San José del Valle, Spain), Carolina España Domínguez, María Morales González, Isabel Muñoz Ramírez, Mercedes Merino Sánchez, Aurelio Arnedillo Muñoz
-
- PA2863 Psychiatrists as a barrier for psychiatric patients to quit smoking**
Zafeiria Barmpareassou (Athens, Greece), Aliko Korkontzelou, Martha Andritsou, Khristina Gkriniouk, Eleni Mpiniari, Panagiotis Zaharatos, Dimos Fotopoulos, Paraskevi Katsaounou
-
- PA2864 Effectiveness of a smoking reduction intervention programme for smoking parents of paediatric patients in Hong Kong**
Siyu Dai (Hong Kong, Hong Kong), Kate Ching Ching Chan

TP-32

Session 297

12:50 - 14:40

Thematic poster: Phenotypes and endotypes of bronchiectasis

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Pulmonary function testing Imaging Epidemiology Cell and molecular biology Public health

Chairs : Anne Bernadette Chang (Brisbane (QLD), Australia), Melissa McDonnell (Oranmore (Co Galway), Ireland), Weijie Guan (Guangzhou (Guangdong), China), Paolo Tarsia (Milano (MI), Italy)

- PA2865 The effect of maintenance azithromycin on radiological features in patients with bronchiectasis**
Lotte Terpstra (Alkmaar, Netherlands), Josje Altenburg, Firdaus Mohamed Hoesein, Pim De Jong, Wim Boersma
-
- PA2866 Acute exacerbation of bronchiectasis and the impact on the duration of antibiotic therapy**
Patricia Elena Oscanoa Huaman (Barcelona, Spain), Rosanel Amaro Rodriguez, Albert Gabarrus Barri, Victoria Alcaraz Serrano, Giulia Scioscia, Rosario Menendez, Raúl Mendez, Antoni Torres Martí
-
- PA2867 Bronchiectasis Severity Index and FACED score correlation determinants**
João Cordeiro Da Costa (Leiria, Portugal), Raquel Viana, Cândida Gonçalves Silva, Salvato Feijó
-
- PA2868 Lung function in non-cystic fibrosis bronchiectasis – determinant factors**
Ana Raquel Viana da Silva (Santarém, Portugal), João Cordeiro Da Costa, Cláudia Carvalho, Salvato Feijó
-
- PA2869 GORD/PPI and exacerbations in adults with bronchiectasis**
Isabell Pink (Hamburg, Germany), Jessica Rademacher, Andres De Roux, Pontus Mertsch, Stefanie Konwert, Roland Diel, Grit Barten-Neiner, Annegret Zurawski, Tobias Welter, Felix Ringshausen
-
- PA2870 Clinical and functional profile of patients with non-cystic fibrosis bronchiectasis according to the presence of chronic bronchial infection**
Jessica de Campos Medeiros (Campinas, Brazil), Monica Corso Pereira, Adria Cristina Da Silva
-
- PA2871 Pseudomonas aeruginosa as an independent predictor of decreased lung function in bronchiectasis**
João Cordeiro Da Costa (Leiria, Portugal), Raquel Viana, Cândida Gonçalves Silva, Cláudia Carvalho, Salvato Feijó
-
- PA2872 Multidrug resistant bacteria in bronchiectasis exacerbations**
Pedro Samuel Martinho Pereira (Mar, Portugal), Lídia Gomes, José Costa, Catarina Ferreira
-
- PA2873 Eosinophils: a biological marker for bronchiectasis exacerbations?**
Ana Raquel Viana da Silva (Santarém, Portugal), João Cordeiro Da Costa, Elisabete Gomes, Salvato Feijó
-
- PA2874 The bronchodilator response and clinical characteristics of patients with bronchiectasis**
Wilson Goh (Singapore, Singapore), Ee Chen Jaclyn Tan, Xiao Na Wang, Poh Seo Quek, Lai Mei Tham, Lay Chin Tan, John Abisheganaden, Albert Yick Hou Lim
-
- PA2875 Viral prevalence in stable bronchiectasis: analysis of the Cohort of Asian and Matched European Bronchiectasis (CAMEB)**
Micheál Mac Aogáin (Singapore, Singapore), Kai Xian Thng, Nur Atikah Binte Mohamed Ali, Ashley Giam Yan Hui, Albert Lim Yick Hou, Teck Boon Low, Thun How Ong, Brian Oliver, Mariko Siyue Koh, John Abisheganaden, James D. Chalmers, Sanjay Haresh Chotirmall
-
- PA2876 Is there a correlation between the bronchiectasis severity and health-related quality of life?**
Daniele Oliveira dos Santos (Ribeirão Preto, Brazil), Beatriz Andresa Da Silva Galli, Ricardo Grassi Moroli, Jéssica Perossi, Larissa Perossi, José Antônio Baddini-Martinez, Ada C. Gastaldi
-
- PA2877 Phenotyping of adult patients with bronchiectasis and Yellow-Nail-Syndrome (YNS)- data from the German and the European Bronchiectasis Registries (PROGNOSIS and EMBARC)**
Isabell Pink (Hamburg, Germany), Sabine Dettmer, Jessica Rademacher, Andres Deroux, Pontus Mertsch, Stefanie Konwert, Roland Diel, Grit Barten-Neiner, Annegret Zurawski, Tobias Welter, James Chalmers, Pieter Goeminne, Pierre-Regis Burgel, Felix Ringshausen
-
- PA2878 The relationship between radiological severity and clinical phenotype in bronchiectasis**
Hani Abo-Leyah (Perth (Perthshire), United Kingdom), Aislinn Browne, Luis Carreto, Simon Finch, James Chalmers
-
- PA2879 Validation of an etiological diagnostic model in adults with a diagnosis of bronchiectasis.**
Giulia Scioscia (Lucera (FG), Italy), Antonella Ielpo, Ernesto Crisafulli, Victoria Alcaraz, Albert Gabarrus, Patricia Oscanoa, Rosanel Amaro, Antoni Torres
-
- PA2880 Acute exacerbation of bronchiectasis - reality of a Pneumology Department**
João Pedro Neiva Machado (Coimbra, Portugal), Jose Coutinho Costa, Filipa Costa, Teresa Costa
-
- PA2881 A broad immunological screening may impact treatment in bronchiectasis patients**
Elisa Franceschi (Milano (MI), Italy), Barbara Vigone, Giovanni Sotgiu, Michele Gaffuri, Andrea Gramegna, Carlotta Di Francesco, Alice Gelmini, Laura Saderi, Martina Dettori, Manuela Seia, Marco Mantero, Pieter Goeminne, James Chalmers, Stefano Aliberti, Francesco Blasi

PA2882 LSC - 2019 - Sputum protein profiling identifies a key role for neutrophil extracellular traps in exacerbations of bronchiectasis and treatment response
Holly Rachael Keir (Dundee (Angus), United Kingdom), Holly Rachael Keir, Brandon Tan, Christopher John Fong, Alison Dicker, Guillermo Suarez-Cuartin, Oriol Sibila, Megan Louise Crichton, Andrew Cassidy, Simon Finch, Eleanor Pumphrey, Thomas Fardon, Jeffrey Huang, James D Chalmers

PA2883 Exacerbations and inhaled corticosteroids in bronchiectasis patients
João Cordeiro Da Costa (Leiria, Portugal), Raquel Viana, Patricia Jesus, Salvato Feijó

PA2884 The role of systemic markers of inflammation in bronchiectasis.
Giulia Scioscia (Lucera (FG), Italy), Rosanel Amaro, Victoria Alcaraz, Albert Gabarrus, Patricia Oscanoa, Rosario Menendez, Raul Mendez, Antoni Torres

TP-33

Session 298

12:50 - 14:40

Thematic poster: Airway infection in COPDDisease(s) : **Airway diseases**

Method(s) : General respiratory patient care Public health Cell and molecular biology Pulmonary function testing Epidemiology Pulmonary rehabilitation Physiology

Chairs : Aran Singanayagam (London, United Kingdom), Mona Bafadhel (Oxford (Oxfordshire), United Kingdom), Marjolein Brusse-Keizer (Enschede, Netherlands), Alison Dicker (Dundee (Angus), United Kingdom)

PA2885 "A Study of Infective Etiology in Patients With Acute Exacerbation of COPD"
Anshul Mangla (Pehowa (Haryana), India), Eshita Shah, Stani Francis, Arti Dhawal

PA2886 Pneumococcal vaccination in chronic respiratory patients – a cohort study
Rebeca Martins Natal (Guarda, Portugal), Gonçalo Samouco, Marcos Oliveira, João Fernandes Costa, Denisa Mendonça, Luís Vaz Rodrigues

PA2887 Impact of Pseudomonas aeruginosa on exacerbation and death in patients with chronic obstructive pulmonary disease.
Josefin Eklöf (København N, Denmark), Rikke Sørensen, Truls Sylvan Ingebrigtsen, Pradeesh Sivapalan, Imane Achir, Jonas Bredtoft Boel, Jette Bangsborg, Christian Ostergaard, Ram Benny Dessau, Ulrich Stab Jensen, Andrea Browatzki, Therese Sophie Lapperre, Julie Janner, Ulla Møller Weinreich, Karin Armbruster, Torgny Wilcke, Niels Seersholm, Jens-Ulrik Stæhr Jensen

PA2888 Antibiotic in non-purulent hospitalised-treated exacerbations of COPD: a randomised double-blind placebo-controlled trial
Arturo Humberto Huerta Garcia (Barcelona, Spain), Nestor Soler, Adrian Ceccato, Rebeca Domingo, Olivia Vilaro, Albert Gabarrus, Jesus Aibar, Antoni Torres

PA2889 Community acquired pneumonia in COPD patients: ?linical features and peculiarities of immune system
Elmiraamirova Elmiraamirova (Ufa (Bashkortostan), Russian Federation), Usman Farkhutdinov, Shamil Farkhutdinov

PA2890 Hospitalization for influenza among patients with chronic obstructive pulmonary disease
Susan Bolge (Raritan , United States of America), Furaha Kariburyo, Huseyin Yuce, Roman Fleischhackl

PA2891 Australian perceptions of pertussis and vaccine preventable disease in the setting of asthma and COPD
Elisa Turriani (Wavre, Belgium), Julianne Bayliss, Roshnee Randhawa, Kyu-Bin Oh, Walid Kandeil, Victoria Jenkins, Michael Nissen

PA2892 Characterization of viral infections in stable and exacerbated COPD
Eleni Papakonstantinou (Thessaloniki, Greece), Daiana Stolz, Leticia Grize, Daniel Schilter, Werner Strobel, Renaud Louis, Christian Schindler, Hans Hirsch, Michael Tamm

PA2893 Effects of a self-management program in exacerbated Chronic Obstructive Pulmonary Disease
Laura Lopez Lopez (Granada, Spain), Alicia Conde Valero, Georgina Jiménez Lozano, María Granados Santiago, Ramón Romero Fernández, Marie Carmen Valenza

PA2894 Airway FABP4 is decreased in COPD patients with airway bacterial infection
Lidia Perea (Barcelona, Spain), Ana Rodrigo-Troyano, Elisabet Cantó, Marisol Domínguez-Álvarez, Jordi Giner, Ferran Sánchez-Reus, Alfons Torrego, Judit Villar-García, Sara Quero, Marian Garcia, Eduard Monsó, Rosa Faner, Alvar Agustí, Silvia Vidal, Oriol Sibila

PA2895 Calprotectin as a biomarker of pneumonia in patients hospitalized with AECOPD
Elena Valerevna Titova (Trondheim, Norway), Lena Løfblad, Arne Åsberg , Anne Hildur Henriksen

- PA2896 Results of vaccination against pneumococcal infection in patients with chronic lung diseases**
Angelina Kraposhina (Krasnoyarsk (Krasnoyarsk), Russian Federation), Irina Demko, Natalya Gordeeva, Irina Soloveva, Marina Mamaeva, Elena Sobko
- PA2897 Early diagnosis of invasive pulmonary aspergillus in patients with chronic obstructive pulmonary diseases: a case control study**
Yangqing Zhan (Guangzhou, China), Feng Ye
- PA2898 Outcome of influenza vaccination in elderly with pneumonia**
Emine Bahar Kurt (Ankara, Turkey), Deniz Akçayöz
- PA2899 A simple workflow for comparative analysis of longitudinal isolates of nontypeable Haemophilus influenzae**
Rajendra KC (Hobart, Australia), Nicholas M Harkness, Louise A Cooley, Belinda Mcewan, Graeme Zosky, Gunasegaran Karupiah, Ronan F O'Toole
- PA2900 The characteristics of mycobacterioses in patients with chronic lung diseases**
Anna Sargsyan (Moscow, Russian Federation), Natalia Makaryants, Larisa Lepekha, Evgeniy Shmelev
- PA2901 Clinical characteristics and prognostic factors of patients with Stenotrophomonas maltophilia pneumonia: 10 years experience of single center**
Deniz Kizilirmak (Manisa, Turkey), Yavuz Havlucu
- PA2902 Prevalence and burden of bronchiectasis in a lung cancer screening program**
Maria Sanchez-Carpintero Abad (Orkoien (Navarra), Spain), Javier J Zulueta, Juan Pablo De Torres, Ana Belén Alcaide, Pablo Sánchez Salcedo, Usua Montes, Juan Luis Quevedo, Gorka Bastarrika, Arantza Campo Ezquibela
- PA2903 Late Breaking Abstract - The high prevalence and load of Epstein-Barr virus in adults with bronchiectasis: A prospective cohort study**
Weijie Guan (Guangzhou (Guangdong), China), Chunlan Chen, Yan Huang, Miguel Angel Martinez-Garcia, Jingjing Yuan, Huimin Li, Xiaorong Han, Rongchang Chen, Nanshan Zhong

TP-34

Session 299

12:50 - 14:40

Thematic poster: Severe pneumonia: epidemiology, mechanisms and treatment**Disease(s) :** Airway diseases Respiratory critical care**Method(s) :** Epidemiology General respiratory patient care Respiratory intensive care Cell and molecular biology Physiology**Chairs :** Eric Mortensen (Simsbury, United States of America), Rosanel Amaro Rodriguez (Premia de Dalt (Barcelona), Spain), Filipe Froes (Lisboa, Portugal), Antoni Torres (Barcelona, Spain)**PA2904 EFFECT OF CHLORHEXIDINE BATH ON THE PREVENTION OF VENTILATOR ASSOCIATED PNEUMONIA: A META-ANALYSIS**

Mark Jay Robles (Makati, Philippines), Jay Fonte

PA2905 Detection and characterization of carbapenem resistant enterobacteriaceae in sohag university hospitals

Abdellah Ali (Sohag, Egypt), Tamer Mohamed

PA2906 Density incidence and outcome of VAP in home mechanical ventilated patients in Brazil

Carolina Guimarães (São Paulo, Brazil), Heloisa Gaspar, Claudio Flauzino, Fabiana Jacober

PA2907 Prevalence and risk factors of sepsis in very old patients with CAP

Cristina Dominedò (Rome, Italy), Catia Cilloniz Campos, Antonella Ielpo, Miquel Ferrer, Albert Gabarrús, Denise Battaglini, Jesús Bermejo-Martin, Andrea Meli, Carolina García-Vidal, Adamantia Liapikou, Antoni Torres

PA2908 Pilot study for risk assessment of aspiration pneumonia

Tomotaka Nishizawa (Saitama, Japan), Hiroki Ota, Gen Kida, Yuta Tsukahara, Emiri Tsumiyama, Hideaki Yamakawa, Rie Kawabe, Tomohiro Oba, Shintaro Sato, Yuichi Niikura, Daisuke Kurai, Keiichi Akasaka, Masako Amano, Haruyuki Ishii, Hidekazu Matsushima, Naomi Yamashita, Hajime Takizawa

PA2909 Etiology and antibiotic resistance patterns in adults with severe community-acquired pneumonia in Russia

Alexander Sinopalnikov (Moscow, Russian Federation), Ivan Zakharenkov, Svetlana Rachina, Roman Kozlov, Svetlana Yatsyshina, Natali Ivanchik, Natalya Dechnich, Yulia Yanovich, Svetlana Gordeeva, Uliana Portnyagina, Marina Lebedeva, Marina Archipenko

PA2910 Scoring system predicting mortality in melioidosis

Pornanan Domthong (Khon Kaen, Thailand), Uthumporn Domthong, Surasak Faisatjathum

- PA2911** **Effect of corticosteroids on inflammatory markers in patients with severe cap and high inflammatory response according to presence of lymphopenia**
Adrian Ceccato (Ituzaingo (Prov. De Buenos Aires), Argentina), Raul Mendez, Albert Gabarrus, Carles Agusti, Oriol Sibila, Catia Cilloniz, Miquel Ferrer, Rosario Menendez, Jesus Bermejo, Antoni Torres
- PA2912** **Investigation of protein C activity as a prognostic factor for HCAP; single-center observational study**
Issei Oi (Kyoto, Kyoto, Japan), Isao Ito, Naoya Tanabe, Satoshi Konishi, Nobuyoshi Hamao, Toyohiro Hirai
- PA2913** **Late Breaking Abstract - Role of PD-1/PD-L1 pathway in Pneumocystis pneumonia**
Zhaohui Tong (Beijing, China), Chao Zhang
- PA2914** **Influence of Diabetes on serum profiles immune mediators and their association with the severity in adult patients hospitalized for pneumonia.**
Renata Baez-Saldaña (Ciudad de México, Mexico), Carlos Lopez-Elizondo, Ricardo Lascurain-Ledesma, Leslie Chave-Galan, Patricia Gorocica-Rosete
- PA2915** **Corticosteroids for community-acquired pneumonia: are we still there?**
Maria Joana Pereira Catarata (Porto, Portugal), Gil Gonçalves, Maria João Matos, António Jorge Ferreira
- PA2916** **Thirty-Day Readmission Among Patients With Non-Ventilator Hospital Acquired Pneumonia and Effects on Outcomes.**
Kam S Ho (New York, United States of America), Jacqueline Sheehan, James Salonia
- PA2917** **Ventilator-Induced Lung Injury Increases Systemic Inflammation in Murine Pseudomonas Aeruginosa Pneumonia**
Matthias Felten (Berlin, Germany), Chunjiang Tan, Sebastian Ferencik, Eleftheria Letsiou, Norbert Suttorp, Martin Witzernath
- PA2918** **Acute heart failure and fatal arrhythmia in severe pneumonias, caused by influenza A(H1N1pdm09) virus**
Sergey Lukyanov (Chita (Zabaykalsky Krai), Russian Federation), Julia Pervoushina, Vladimir Gorbunov
- PA2919** **Flu A(H1N1pdm09) and pneumonia: the burden of comorbidities (2009 vs 2019)**
Elena Khomenko (Chita, Russian Federation), Elena Khomenko, Sergey Lukyanov, Andrey Malyarchikov, Nadezhda Vyatkina, Elizabeth Pavlichenko, Konstantine Shapovalov
- PA2920** **Follow-up cultures in ventilator-associated pneumonia**
Cristina Dominedò (Rome, Italy), Adrian Ceccato, Miquel Ferrer, Albert Gabarrús, Catia Cillóniz, Otavio T. Ranzani, Enric Barbeta, Gennaro De Pascale, Massimo Antonelli, Antoni Torres
- PA2921** **Changing incidence of pneumonia diagnosis in UK primary care from 2002-2017: Population-based cohort study**
Xiaohui Sun (London, United Kingdom), Abdel Douiri, Martin Gulliford
- PA2922** **Clinical Efficacy and Cost-Effectiveness Analysis of Cefepime or Piperacillin/tazobactam both with Ciprofloxacin in MICU Patients with Severe Pneumonia**
Myung Goo Lee (Chuncheon, Republic of Korea)
- PA2923** **Clinical impact of multiplex bacterial PCR of bronchoalveolar lavage in patients with suspected LRTI**
Anna Salina (Riga, Latvia), Desiree Schumann, Kathleen Jahn, Kurosch Purkabiri, Raphael Mueller, Werner Strobel, Michael Tamm, Daiana Stolz

TP-35

Session 300

12:50 - 14:40

Thematic poster: Clinical investigations of non-TB mycobacterial infection

Disease(s) : Airway diseases Respiratory critical care Thoracic oncology

Method(s) : General respiratory patient care Epidemiology Public health Surgery Imaging

Chairs : Claire Andrejak (Amiens, France), Imran Sulaiman (Dublin 8, Ireland), Jakko van Ingen (Nijmegen, Netherlands), Eva Van Braeckel (Ghent, Belgium)

- PA2924** **Clinical features of radiologically atypical Mycobacterium kansasii lung disease in Japan**
Yusaku Kusaba (Tokyo, Japan), Manabu Suzuki, Eriko Morino, Jin Takasaki, Haruhito Sugiyama
- PA2925** **Clinical characteristics and outcomes of surgically resected solitary pulmonary nodules due to nontuberculous mycobacterial infections**
Yeonseok Choi (Seoul, Republic of Korea), Byung Woo Jhun, Sang-Won Um, Hojoong Kim, O Jung Kwon, Hong Kwan Kim, Yong Soo Choi, Jhngook Kim, Young Mog Shim, Hee Jae Huh, Nam Yong Lee, Won-Jung Koh
- PA2926** **Characteristics of drug susceptibility of M. abscessus subsp. abscessus and M.chelonae**
Marina Makarova (Moscow, Russian Federation), Marina Makarova, Dmitrii Kudlay, Julia Mikhailova, Lidia Guntupova, Svetlana Saphonova, Vitalii Litvinov

- PA2927 The prevalence of non-tuberculous mycobacterium pulmonary infection in a tertiary hospital in Singapore**
Cheryl Hui Ling Khoong (Singapore, Singapore), Jonathan Soon, Akash Verma, Partha Pratim De, John Abisheganaden, Albert Yick Hou Lim
-
- PA2928 Clinical features of respiratory nontuberculous mycobacteria – a four-year comparison by immunosuppression status**
Tiago João Martins Oliveira (Ribeirão - Vila Nova de Famalicão, Portugal), Diogo Guerra, Joana Fragoso, Hugo Cruz, Fernando Guedes, Miguel Abreu, Josefina Méndez, José Pinheiro Braga, Rui Sarmento E Castro, Helena Ramos
-
- PA2929 Prevalence of non-tuberculous mycobacterial disease among patients evaluated for pulmonary tuberculosis in Iraq 2015-2018**
Ahmed Mankhi (Baghdad, Iraq), Layth Al-Salihi, Rukia Ali, Mohemmed Tbena
-
- PA2930 Clinical efficacy of sitafloxacin for refractory non-tuberculous mycobacterial lung disease: A single-center retrospective study**
Yuki Nakamura (Matsusaka City, Mie Prefecture, Japan), Osamu Hataji, Kazuki Furuhashi, Yuta Suzuki, Tadashi Sakaguchi, Kentaro Ito, Yoichi Nishii, Osamu Taguchi, Gabazza Esteban Cesar
-
- PA2931 Clinical, Radiological, Microbiological and pulmonary function Spectrum of Post Tubercular Bronchiectasis A Contemporary Study from Tertiary Care Centre**
Surya Kant (Lucknow (Uttar Pradesh), India), Jyoti Bajpai, Manoj Kumar Pandey, Akshyaya Pradhan
-
- PA2932 Clinical characteristics and treatment outcomes of patients with macrolide-resistant Mycobacterium avium complex pulmonary disease: a systemic review and meta-analysis**
Youngmok Park (Seoul, Republic of Korea), Eun Hye Lee, Inkyung Jung, Goeun Park, Young Ae Kang
-
- PA2933 Non-tuberculous mycobacterium infection in adult patients: a 10-year single-centre experience**
Andrew Pitcher (Brighton, United Kingdom), Annabel Brown, Sonia Raffé, Zoe Pude, Paul Seddon, Katy Fidler, Katharine Hurt
-
- PA2934 Adherence to NTM treatment guidelines in three reference centers in Belgium**
Nina Cardinaels, Yannick Vande Weygaerde, Peter Bomans, Taeyang Chin, Eva Van Braeckel, Natalie Lorent
-
- PA2935 Incidence and outcomes of Mycobacterium abscessus infections in non-Cystic Fibrosis patients**
Paul Whitaker (Leeds (West Yorkshire), United Kingdom), Amirah Valli, Deborah Gascoyne-Binzi, John Watson
-
- PA2936 Outcomes of patients undergoing treatment for non-tuberculous mycobacteria lung disease**
Stefano Aliberti (Milan, Italy), Giovanni Sotgiu, Paola Castellotti, Maurizio Ferrarese, Lisa Pancini, Ana Pasat, Nicolò Vanoni, Maura Spotti, Ester Mazzola, Andrea Gramegna, Laura Saderi, Carlo Federico Perno, Jakko Van Ingen, Luigi Ruffo Codecasa, Francesco Blasi
-
- PA2937 New isolation of non-tuberculous mycobacteria in patients with bronchiectasis - data from the European Bronchiectasis Registry (EMBARC)**
Felix C. Ringshausen (Hannover, Germany), James D. Chalmers, Eva Polverino, Francesco Blasi, Anthony De Soyza, Montserrat Vendrell, Pieter Goemmine, Wim Boersma, Charles Haworth, Marlène Murriss-Espin, Katerina Dimakou, Adam T. Hill, Rosario Menendez, Antoni Torres, Tobias Welte, Robert Wilson, Stuart Elborn, Stefano Aliberti, Michael Loebinger
-
- PA2938 Insufficient serum L-ficolin is associated with the disease progression in pulmonary Mycobacterium avium complex disease**
Tomofumi Kobayashi (Sapporo city, Japan), Koji Kuronuma, Atsushi Saito, Kimiyuki Ikeda, Shigeru Arika, Mituso Otsuka, Hirofumi Chiba, Hiroki Takahashi
-
- PA2939 Looking into real world practice of elder pulmonary non-tuberculous mycobacterial infection.**
Yoshitaka Uchida (Tokyo, Japan), Jiro Terada, Tetsuya Homma, Ryoichi Honda, Haruhisa Saito, Hironori Sagara
-
- PA2940 Clinical characteristics and outcomes of patients with Mycobacterium avium complex lung disease positive for Aspergillus precipitating antibody**
Tatsuya Shirai (Musasino-shi, Japan), Koji Furuuchi, Kozo Morimoto, Keiji Fujiwara, Keitaro Nakamoto, Yoshiaki Tanaka, Yuka Sasaki, Kozo Yoshimori, Haruyuki Ishii, Ken Ohta
-
- PA2941 Nontuberculous mycobacteria, a 5-year study of respiratory tract samples**
Cristina Matesanz Lopez (Madrid, Spain), Cristina Loras Gallego, María Teresa Río Ramírez, Juana Begoña Cacho Calvo, Elena Canal Casado, Araceli Abad Fernández
-
- PA2942 Screening non-tuberculous mycobacteria in patients with bronchiectasis**
Anna Torrente Nieto (, Spain), Gerard Munoz Castro, Marta Plana Pes, Pilar Segovia Calero, Maria Buxó Pujolras, Montse Motje Casas, Ma Jose Redondo Martin, Montserrat Vendrell Relat

- PA2943** **The increasing trend of nontuberculous mycobacterial pulmonary diseases in a tertiary referral hospital in South Korea between 2006 and 2016**
Youngmok Park (Seoul, Republic of Korea), Chi Young Kim, Moo Suk Park, Young Sam Kim, Joon Chang, Young Ae Kang

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Session 301

12:50 - 14:40

Thematic poster: Tuberculosis: from diagnosis to complications**Disease(s) :** **Airway diseases****Method(s) :** Epidemiology Cell and molecular biology General respiratory patient care Pulmonary function testing Imaging Physiology Surgery Public health Palliative care**Chairs :** Inês Tavares Ladeira (Vila Nova de Gaia, Portugal), Heinke Kunst (London, United Kingdom), Alberto Garcia-Basteiro (Maputo, Mozambique), Margareth Maria Pretti Dalcolmo (Rio De Janeiro (RJ), Brazil)

- PA2944** **Fenofibrate is associated with higher risk of mortality in patients with tuberculosis infection**
Ching-Lung Liu (Taipei, Taiwan), Yen-Ta Lu, Wu-Chien Chien, Chi-Hsiang Chung

- PA2945** **Evaluation of the effect of Category I anti tuberculous therapy on the vitamin D status of pulmonary tuberculosis patients**
Abhishek Tandon (Rohtak (Haryana), India), K.B. Gupta, Vipul Kumar, Veena Singh

- PA2946** **Dynamics of carbohydrate metabolism in patients with destructive pulmonary tuberculosis**
Olga Shvets (Kharkiv, Ukraine)

- PA2947** **Recurrent tuberculosis among HIV-infected patients in Novokuznetsk, Russia.**
Irina Viktorova (Novokuznetsk (Kemerovo), Russian Federation), Vera Zimina, Sergey Dolgikh, Svetlana Degtyareva, Arkadiy Khanin

- PA2948** **Transition from restrictive to obstructive lung function impairment during treatment and follow-up of active pulmonary tuberculosis.**
Brian Allwood (Cape Town, South Africa), Elizna Maasdorp, Grace Kim, Chris Cooper, Jonathan Goldin, Richard Van Zyl-Smit, Eric Bateman, Rodney Dawson

- PA2949** **Pulmonary tuberculosis Sequelae: a health problem in the north of Tunisia**
Tasnime Zneigui (Jendouba (Gouvernorat de Jendouba), Tunisia), Imen Sifi, HEND Ouertani, Ridha Abidi, Neila Maaroufi, Samira Aouadi

- PA2950** **Predictors of treatment failure among pulmonary tuberculosis patients in Pakistan**
Shifa Habib (Karachi (Sindh), Pakistan), S. M. Asad Zaidi, Wafa Jamal, Imran Zafar, Talha Kazmi, Muhammad Yasir

- PA2951** **Utilizing chest X-ray based active case finding approach for early tuberculosis case detection in Pakistan**
Wafa Jamal (Karachi, Pakistan), Shifa Habib, Kiran Azeemi, S. M. Asad Zaidi, Wafa Jamal, Talha Kazmi, Muhammad Waqar

- PA2952** **Radiological patterns of different variants of disseminated pulmonary TB**
Rasul Amanshedov (Moscow, Russian Federation), Lyudmila Dmitrieva, Larisa Lepekha, Raxana Kazho, Anatoliy Sigaev, Atadzhan Ergeshov

- PA2953** **The use of a simplified chest X-ray evaluation score for the assessment of tuberculosis**
Irina Ruxandra Strambu (Bucuresti (Sector 5), Romania), Alina Paun, Dragos Cosmin Zaharia, Alexandra Sora, Traian Panciu

- PA2954** **Active case finding for tuberculosis among prisoners in Karachi, Pakistan.**
Wafa Jamal (Karachi, Pakistan), Wafa Jamal, Kiran Azeemi, Muhammad Waqar, Kanwal Ikram, S. M. Asad Zaidi, Shifa Habib

- PA2955** **Increased FDG uptake on 18F-FDG PET/CT in residual lesions of tuberculosis**
Myungsun Lee (Seoul, Republic of Korea), Jihyun Jang, Soyeoung Yoon, Jiyeon Lee, Ina Jeong, Yukyung Lee

- PA2956** **Radiologic pattern as a predictor of multi-drug resistant tuberculosis; a multicenter study.**
Diah Handayani (Jakarta Selatan, Indonesia), Ika Fajarwati, Gatut Priyonugroho, Erlina Burhan, Tutik Kusmiati, Irawaty Muzakkir, Parluhutan Siagian, Bambang Sigit Riyanto, Banteng Hanang Wibisono, I Gede Ketut Sajinadiyasa, Nugroho Harry Susanto

- PA2957** **Chest CT scan as an initial diagnostic method for tuberculosis infection detected by mass screening in the intermediate-burden country**
Hee Soon Chung (Seoul, Republic of Korea), Jung-Kyu Lee, Dong-Hyun Joo, Eun Young Heo, Deog Kyeom Kim

- PA2958** **N-acetylcysteine and mortality in hospitalized pulmonary tuberculosis infection**
Thammasorn Jeeraumponwat (Khon Kaen, Thailand)
-
- PA2959** **Drug resistance of Mycobacterium tuberculosis in the Ural region of Russian Federation**
Igor Medvinskiy (Yekaterinburg (Sverdlovsk), Russian Federation), Elena Filatova, Vadim Testov, Konstantin Glebov, Anna Panova, Irina Burmistrova, Sergey Sterlikov, Ekaterina Filina
-
- PA2960** **Indications to surgery for lung tuberculomas today.**
Elena Krasnikova (Moscow, Russian Federation), Larisa Lepeha, Ruslan Tarasov, Maria Erokhina, Vilayat Aliev, Svetlana Sadovnikova, Mamed Bagirov
-
- PA2961** **A mycobacterial encoded hypothetical protein is localized in mitochondria and regulates oxidative phosphorylation of infected macrophage.**
RIKESH KUMAR DUBEY (LUCKNOW, India), Ekta Dhamija, Alok K Mishra, Dheeraj Soam, Shivraj M Yabaji, Kanchan Srivastava, Kishore K Srivastava
-
- PA2962** **Prevalence of CNS lesions in patients with pulmonary tuberculosis and HIV infection**
Aleksander Pashukhin (Moscow (Moscow), Russian Federation), Nataliya Stavitskaya, Sergey Smerdin, Irina Chernova

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Session 302

12:50 - 14:40

Thematic poster: Tuberculosis and comorbidities

Disease(s) : **Airway diseases** **Thoracic oncology**

Method(s) : General respiratory patient care Epidemiology Imaging Pulmonary function testing Transplantation Public health

Chairs : Jose Maria Garcia Garcia (Candas (Asturias), Spain), Lorenzo Guglielmetti (Paris, France), Gina Gualano (Roma (RM), Italy), Ivan Solovic (Vysne Hagy, Slovakia)

- PA2963** **Predictors of tuberculosis in injection drug users**
Eugeniu Cotelea (Chisinau, Republic of Moldova), Evelina Lesnic
-
- PA2964** **Newly detected pulmonary tuberculosis in patients combined with diabetes mellitus and without it.**
Rizvan Abdullaev (Moscow, Russian Federation), Oksana Komissarova, Svetlana Aleshina
-
- PA2965** **Markers of thyroid dysfunction in patients with MDR tuberculosis.**
Elena Chumakova (Moscow, Russian Federation), Yelena Chumakova, Rizvan Abdullaev, Oksana Komissarova, Vasilii Odinets
-
- PA2966** **Transthyretin in patients with pulmonary tuberculosis combined with diabetes**
Rizvan Abdullaev (Moscow, Russian Federation), Oksana Komissarova, Olga Berejnaya
-
- PA2967** **Erectile dysfunction in pulmonary tuberculosis: Is there an association?**
Ahmed Metwaly (Assuit, Egypt), Doaa Magdy, Randa Ahmed
-
- PA2968** **Unusual presentations of tuberculosis in East London**
Donald Pang (London (England), United Kingdom), Erik Skyllberg, Matthew Waite, Ananna Rahman, Matthew Burman, Simon Tiberi, Heinke Kunst
-
- PA2969** **Comorbidity: pulmonary tuberculosis and chronic obstructive pulmonary disease.**
Marina A. Yakimova (Moscow, Russian Federation), Natalya Karpina, Olga Gordeeva, Rasul Asanov
-
- PA2970** **Prevention and mechanism of undesirable adverse reactions in patients with pulmonary tuberculosis with extensive drug-resistance (XDR) combined with type 2 diabetes**
Ludmila Shovkun (Rostov-on-Don, Russian Federation), Dmitry Kudlay, Nikolai Nikolenko, Elena Campos, Irina Franchuk
-
- PA2971** **Study on prevalence and associated factors of Diabetes Mellitus among Tuberculosis Patients in Iran**
Abolfazl Mozaffari (Qom, Islamic Republic of Iran), Maryam Hendiani
-
- PA2972** **Influence of diabetes mellitus on sputum conversion rate in pulmonary tuberculosis and on antituberculous drug resistance**
Belma Paralija (Sarajevo, Bosnia and Herzegovina), Aida Mujakovic
-
- PA2973** **Chest radiologic pattern in Diabetic patients with Pulmonary Tuberculosis (PTB)**
Devasahayam Jesudas Christopher (Vellore (Tamil Nadu), India), Linu Cherian Kuruvilla, Pradosh Kumar Sarangi, Balamugesh Thangakunam, Aparna Irodi, Deepa Shankar
-
- PA2974** **Risk Factors for tuberculosis in patients on anti-TNF treatment**
Yağmur Kaptan (İZMİR, Turkey), Asli Sunel, Mehmet Nedim Taş, Fahrettin Oksel, Kenan Aksu, Abdullah Saymer

- PA2975** **Screening tests for latent tuberculosis prior to anti-TNF alpha therapy – a systematic review and meta-analysis**
Andreia Filipa Fonseca Carriço (Guarda, Portugal), André Ramalho, João Santos, Luís Azevedo, Raquel Duarte, Alberto Freitas
- PA2976** **Extrapulmonary tuberculosis in patients with chronic kidney disease receiving renal replacement therapy**
Ananna Rahman (Essex, United Kingdom), Emma Johnson, Krishna Shah, Kieran Mccafferty, Simon Tiberi, Heinke Kunst
- PA2977** **Tuberculosis of the immunocompromised: what particularities?**
Hager Kchouk (Tunis, Tunisia), Amani Ben Mansour, Alia Ezzaouia, Azza Slim, Soumaya Ben Saad, Hafaoua Daghfous, Fatma Tritar
- PA2978** **Accuracy of pleural fluid c-reactive protein in differentiating between tuberculous and malignant pleural effusions: a meta-analysis**
Roland Reuben B. Angeles (Manila, Philippines), Rich Ericson King, Jubert Benedicto, Adovich Rivera
- PA2979** **Over diagnosis of smear negative pulmonary tuberculosis in patients with allergic bronchopulmonary aspergillosis: A study from high tuberculosis burden country**
Nousheen Iqbal (Karachi (Sindh), Pakistan), Muhammad Irfan, Urooj Riaz, Saira Saeed, Muhammad Dawood Amir Sheikh, Safia Awan, Ali Zubairi
- PA2980** **Adverse effects of anti-tuberculosis drugs in hemodialysis patients**
Olga Gordeeva (Moscow, Russian Federation), Natalya Karpina, Raisa Vedernikova, Inna Schultz, Anna Bagdasarian
- PA2981** **Cough- and sputum-related quality of life is associated with the features of cavitation in pulmonary tuberculosis**
Kyohei Oishi (Shizuoka, Japan), Toshihiro Shirai, Taisuke Akamatsu, Takahito Suzuki, Hiromasa Nakayasu, Kanami Tamura, Toshihiro Masuda, Shingo Takahashi, Yuko Tanaka, Yutaro Kishimoto, Yoshinari Endo, Mika Saigusa, Akito Yamamoto, Satoru Morita, Kazuhiro Asada
- PA2982** **Side effects of tuberculosis chemotherapy in women of reproductive age: vaginal dysbacteriosis**
Svetlana Kayukova (Moscow, Russian Federation), Zhanna Lulueva, Vladimir Romanov, Atadzhan Ergeshov

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Session 303

12:50 - 14:40

Thematic poster: Extra-pulmonary tuberculosis and comorbidities**Disease(s)** : [Airway diseases](#) [Respiratory critical care](#)**Method(s)** : Endoscopy and interventional pulmonology General respiratory patient care Epidemiology Public health Physiology Cell and molecular biology**Chairs** : Cécile Magis-Escurra (Nijmegen, Netherlands), Onn Min Kon (London, United Kingdom), Johannes Eimer (London, United Kingdom)

- PA2984** **Regional study on the management and outcomes of Tuberculous Uveitis**
Onyinye Akpenyi (, United Kingdom), Sayed Alderazi, Guy Hagan, Nazim Nathani
- PA2985** **A Case Series of Pericardial TB in a large European Centre**
Anand Sundaralingam (Brighton (Brighton and Hove), United Kingdom), Yakup Kilic, Matthew Burman, Ananna Rahman, Veronica White, Nivenka Jayasekera, Mathina Darmalingam, Simon Tiberi, Heinke Kunst
- PA2986** **Antituberculosis drug- induced hepatitis, an unpredictable phenotype**
Maria Celeste da Silva Alcobia (Coimbra, Portugal), Luís M Nogueira, Bárbara Oliveiros, Carlos Robalo Cordeiro, Henriqueta C Silva
- PA2987** **Utility of Xpert® MTB/RIF assay for extrapulmonary tuberculosis, a two year study**
Rajesh Agrawal (Bareilly, India), Rajat Agarwal, Utkarsh Gupta
- PA2988** **The utility of Xpert MTB/RIF in the diagnosis of Tubercular Mediastinal Lymphadenopathy by Endobronchial Ultrasound.**
Ankit Bhatia (Ghaziabad (Uttar Pradesh), India), Rajesh Gupta, Sharad Joshi, Nitesh Tayal, Praveen Pandey, Ankit Gupta
- PA2989** **Sensitivity and Specificity of Cartridge Based Nucleic Acid Amplification Test in pleural biopsy obtained by thoracoscopy.**
Deepak Muthreja (Nagpur (Maharashtra), India), Rajesh Swarnakar, Anil Sontakke
- PA2990** **Safety of bedaquiline for treatment of MDR/XDR tuberculosis in HIV co-infected patients**
Armine Galstyan (Moscow, Russian Federation), Sergey Borisov, Michail Sinitsyn, Diana Ivanova, Ludmila Slogodskay
- PA2991** **Mycobacterium tuberculosis detection rates by molecular genetic methods among patients with tuberculosis in the Russian Federation.**
Elena Veselova (Moscow, Russian Federation), Anna Panova, Grigory Kaminskiy, Vadim Testov , Anastasia Samoiloa, Irina Vasilyeva

PA2992	Drug resistance and HIV rates are high in Eastern European patients with Tuberculosis in a South East London Hospital Sharenja Ratnakumar (London, United Kingdom), Xin Yi Choon, Moerida Belton, Paramita Palchadhuri, Louise Cotton
PA2993	The peculiarities of drug susceptibility of M. tuberculosis isolated from patients with late-stage HIV infection Natalya Karpina (Moscow, Russian Federation), Artem Dudchenko, Elena Larionova, Atadzhan Ergeshov
PA2994	Impact of seasons on tuberculosis mortality for HIV+ and HIV- TB patients Evgeny Belilovskiy (Moscow, Russian Federation), Olga Chizhova, Sergey Borisov, Mishael Sinitsyn
PA2995	Hospitalized tuberculosis: HIV versus non-HIV patients Miguel Filipe Martins de Matos Navarro Guia (Carnaxide, Portugal), Micaela Caixeiro, José Pedro Boléo-Tomé, Patrícia Pacheco, Fernando Rodrigues
PA2996	Burden of the primary drug resistance of Mycobacterium tuberculosis in HIV-positive patients Anna Panova (Moscow, Russian Federation), Vadim Testov, Grigory Kaminskiy, Anastasia Samoiloa, Elena Veselova, Irina Vasilyeva
PA2997	Clinical, immunological and epidemiological correlations of Tuberculosis / HIV Coinfection in patients Infected with HIV in Olt County in Romania between 2005-2015 Victor Ionel Grecu (Craiova (Dolj), Romania), Cristina Calarasu, Floarea Mimi Nitu, Florentina Dumitrescu
PA2998	Treatment tactics in patients with tuberculous pleurisy anzhela polyakova (Moscow, Russian Federation), Natalia Chernyh, Marina Tikhonova, Vladimir Romanov, Rasul Amansahedov
PA2999	Anti-tubercular drug concentrations in Pulmonary Tuberculosis patients - Diabetic vs Non-Diabetic groups. Devasahayam Jesudas Christopher (Vellore (Tamil Nadu), India), Deva Jedidiah, Barney Isaac, Binu Mathew, Blessed Winston
PA3000	Effectiveness of mesodiencephalic modulation in treatment of XDR TB patients with concomitant type II diabetes mellitus anzhela polyakova (Moscow, Russian Federation), Natalia Chernyh, Marina Tikhonova, Vladimir Romanov
PA3001	Efficacy of treatment in MDR and XDR lung TB patients in the follow-up period with the use of new anti-tuberculosis agent Anna Starshinova (St. Petersburg, Russian Federation), Ekaterina Beliaeva, Michail Nazarenko, Maria Pavlova, Irina Chernochaeva, Piotr Yablonskiy
PA3002	Clinical relevance of differentiation between Mycobacterium avium and M. intracellulare in M. avium complex pulmonary disease in Croatia Goran Glodić (Zagreb, Croatia), Ivan Sabol, Ljiljana Zmak, Ana Marija Šola, Ante Marušić, Ana Hećimović, Feđa Džubur, Marko Jakopović, Ljiljana Kardum Bulat, Gordana Pavliša, Miroslav Samaržija, Antonija Čivljak, Antonija Dakić, Mateja Janković Makek

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Session 304

12:50 - 14:40

Thematic poster: Tuberculosis: diagnosis

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology General respiratory patient care Epidemiology Endoscopy and interventional pulmonology Physiology Transplantation Surgery

Chairs : Alena Skrahina (Minsk region, Belarus), Adrian Rendon (Monterrey, Mexico), Jan Heyckendorf (Hamburg, Germany), Gunar Günther (Bremgarten bei Bern, Switzerland)

PA3003	The role of genexpert in the diagnosis of mycobacterium tuberculosis Chinnu Sasikumar (Kodungallur, India), Ketaki Utpat, Unnati Desai, Jyotsna Joshi
PA3004	The significance of IP-10 level in blood serum for TB diagnosis in patients with late-stage HIV infection Natalya Karpina (Moscow, Russian Federation), Artem Dudchenko, Mikhail Averbakh, Atadzhan Ergeshov
PA3005	Interferon-gamma response by years after tuberculosis infection, measured with QuantiFERON-TB Plus (, Japan), Hideaki Nagai, Maho Suzukawa, Katsuyuki Higa, Shunsuke Akashi, Masahiro Kawashima, Nobuharu Ohshima, Akira Yamane, Atsuhisa Tamura, Hirotohi Matsui, Shigeto Tohma
PA3006	Efficacy of Matrix Metalloproteinase-9 in Differentiating Tuberculous from Non-Tuberculous Pleural Effusion Nezar Ali Moulaei (zahdan, Islamic Republic of Iran), Abas Ali Niazi, Mehdi Nouralazadeh, Mosayeb Shahriyar
PA3007	Role of CBNAAT in Extrapulmonary Tuberculosis- An ongoing pilot study. Harshil Alwani (New Delhi (Delhi), India), Saswat Subhankar, C. Mohan Rao, Debee Prasad Dash

- PA3008** **Prevention of adverse reactions due to pharmacotherapy in MRTB considering polymorphism of glutathione-S-transferase M1 and T1 genes**
Igor Semianiv (Chernivtsi, Ukraine), Lilia Todoriko, Tatiana Sprynsian, Inga Yeremenchuk
- PA3009** **Predicting the efficiency of the treatment of drug-resistant tuberculosis depending on the polymorphism variation of glutathione-S-transferase genes**
Igor Semianiv (Chernivtsi, Ukraine), Lilia Todoriko, Tatiana Sprynsian, Marianna Semianiv
- PA3010** **Experimental justification choice to prevent hepatotoxic reactions to anti-TB drugs based on gene-phenotypic characteristics**
Alexey Kazakov (Moscow, Russian Federation), Galina Mozhokina, Yulia Zyuzuza, Larisa Petrova
- PA3011** **The value of immunological methods in the complex diagnostics of TB in chronic renal failure patients in the terminal stage**
Olga Gordeeva (Moscow, Russian Federation), Maxim Telepnev, Irina Nikitina, Irina Shabalina, Larisa Chernousova, Natalya Karpina, Irina Lyadova
- PA3012** **Lung microRNAs as biomarkers of post primary TB variants.**
Galina Shepelkova (Moscow, Russian Federation), Vladimir Evstifeev, Anush Ergesheva, Alexander Guskov, Mamed Bagirov, Vladimir Yermeev
- PA3013** **Diagnostic performance of antigen induced IFN- γ production in pleural fluid in tuberculous pleurisy**
Sergey Skorniyakov (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Olga Kosareva, Sergey Tsvirenko, Olga Fadina, Svetlana Karskanova, Sergey Melyakh, Tatyana Lugovkina
- PA3014** **Tuberculosis Antigen Stimulated CXCR3 Ligand Assay for the Diagnosis of Tuberculous Lymphadenitis**
Wou Young Chung (Suwon, Republic of Korea), Yun Jung Jung, Ji Eun Park, Seug Soo Sheen, Keu Sung Lee, Kwang Joo Park
- PA3016** **Autoantibodies to vimentin different modifications in patients with tuberculosis and different granulomatous lung diseases**
Anna Malkova (Saint Petersburg, Russian Federation), Anna Starshinova, Sergey Lapin, Elena Surkova, Julia Zinchenko, Natalia Basantsova, Boris Gildburd, Petr Yablonskiy
- PA3017** **Relationship of interleukin 10 1082 G/A gene polymorphism with the duration of nephrotoxic onset due to anti tuberculosis drugs in multi drug resistant tuberculosis patients**
Harsini Harsini (surakarta, Indonesia), Umarudin Umarudin, Jatu Aphridasari
- PA3018** **Contribution of invasive methods in the diagnosis of pulmonary tuberculosis**
Azza Slim, Hafaoua Daghfous, Amani Ben Mansour, Alia Ezzaouia, Hager Kchouk, Sonia Ben Saad, Fatma Tritar
- PA3019** **Genetic Determinants of Drug Resistance in Mycobacterium tuberculosis Beijing B0/W148 isolates**
Tatiana Umpeleva (Ekaterinburg, Russian Federation), Kseniya Belousova, Ludmila Golubeva, Nataliya Eremeeva, Diana Vakhrusheva
- PA3020** **Estimation of resistance of M.tuberculosis different genotypes to disinfectants**
Natalya Eremeeva (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Tatyana Umpeleva, Kseniya Belousova, Diana Vakhrusheva, Vladimir Kanichev, Leonid Lavrechuk
- PA3021** **Benchtop NMR-based metabolomic analysis as a diagnostic tool for tuberculosis in clinical urine samples**
Jesus Ruiz-Cabello (San Sebastian, Spain), Jose Luis Izquierdo-Garcia, Patricia Comella-Del-Barrio, Ramon Campos-Olivas, Federico Casanova, Jose Dominguez
- PA3022** **Predicted factors of radiographic sequelae in tuberculosis treated patients.**
Alia Ezzaouia, Hafaoua Daghfous, Ameni Ben Mansour, Azza Slim, Hager Kchouk, Soumaya Ben Saad, Fatma Tritar
- TP-40** **Session 305** **12:50 - 14:40**
- Thematic poster: Early detection, follow-up and epidemiology of lung cancer**
- Disease(s) :** Thoracic oncology
- Method(s) :** General respiratory patient care Imaging Pulmonary function testing Epidemiology Surgery Endoscopy and interventional pulmonology Public health
- Chairs :** Wouter H. van Geffen (Leeuwarden, Netherlands), Dragana M. Jovanovi (Beograd, Republic of Serbia), Joanna Domaga a-Kulawik (Warszawa, Poland), Joachim Aerts (Rotterdam, Netherlands)
- PA3023** **The role of Radiological follow-up protocol in patients with surgically resected Non-Small Cell Lung Cancer.**
Rashad Salman (Leeds (West Yorkshire), United Kingdom), Jonathan Robson, Thomas Quinn

- PA3024 Lung Cancer Prevalence after 4 years of screening in a COPD/Emphysema centered screening program**
Maria De Los Angeles Zambrano Chacon (MADRID, Spain), Laura Núñez García, Carolina Gotera Rivera, María Teresa Pérez Warnisher, Rosario Melchor Iñiguez, Erwin Javier Pinillos Robles, Elena Cabezas Pastor, Abdulkader El Hachem Debek, Marcel Rodríguez Guzmán, Patricia Lazo Meneses, Javier Alfayate Sanchez, Nicolás Mangado, Germán Peces-Barba Romero, Luis Seijo Maceiras
-
- PA3025 Prevalence of bronchiectasis in a lung cancer screening program**
Laura Núñez Garcia (Madrid, Spain), María Ángeles Zambrano Chacón, Carolina Gotera Rivera, Teresa Pérez Warnisher, Rosario Melchor Iñiguez, Erwin Javier Pinillos Robles, Elena Cabezas Pastor, Abdulkader El Hachem Debek, Marcel Rodríguez Guzmán, Patricia Lazo Meneses, Javier Alfayate Sánchez, Nicolás González Mangado, Germán Peces-Barba Romero, Luis Seijo Maceiras
-
- PA3026 Risk factors and prognosis of non-solid nodules in a lung cancer screening program**
Aranzazu Campo Ezquibela (Pamplona (Navarra), Spain), Paula Elena Yuste Olmos, Maria Del Mar Ocon De Miguel, Ana Belén Alcaide Ocaña, Juan Pablo De Torres Tajés, Juan Antonio Berto Botella, Jesus Pueyo Villoslada, María Dolores Lozano Escario, Javier Zulueta Francés
-
- PA3027 Determining the perception of lung cancer screening programme amongst medical patients in single tertiary centre.**
Mohamed Faisal (Kuala Lumpur (Wilayah Persekutuan), Malaysia), Kok Wei Hao, Andrea Ban
-
- PA3028 Lung cancer-CT screening performed in a high risk portuguese population**
Sara Carla Moura Cabral (Matosinhos, Portugal), Inês Abreu, Daniela Madama, Amélia Estevão, Eugénio Cordeiro, João Pimentel, Nuno Miranda, Carlos Robalo Cordeiro
-
- PA3029 CT-imaging and pathological analysis of preinvasive lesions and minimally invasive adenocarcinoma presented as pulmonary ground-glass opacity**
Tiangang Ma (Changchun, China), Tiangang Ma, Yanbing Hu, Danhua Qu
-
- PA3030 Combining exhaled-breath analysis data with clinical parameters to improve the diagnosis of lung cancer**
Sharina Kort (Enschede, Netherlands), Marjolein Brusse-Keizer, Hugo Schouwink, Emanuel Citgez, Frans De Jongh, Jan Willem Gerritsen, Job Van Der Palen
-
- PA3031 Screening performance of carcinoembryonic antigen and cytokeratin-19 fragment with smoking status adjusted cut-off level in combination with low-dose computed tomography for 2-year lung cancer outcome.**
Natthaya Triphuridet (Bangkok, Thailand), Sirachat Vidhyarkorn, Akeanong Worakitsitatorn, Naree Chuengkhlai, Waraphorn Krongthong, Jayanton Patumanond, Chirayu Auewarakul
-
- PA3032 Exploring the role of virtual lung cancer follow-up post-surgical resection.**
Patrick Devlin (Edinburgh, United Kingdom), Philip Reid
-
- PA3033 Lung cancer in never-smokers**
Bernard Tanguy (Saint-Denis, Reunion), Maurice Tanguy
-
- PA3034 Lung Cancer screening- a need for local adaptation?**
Fraser Easton (bristol, United Kingdom), Angela Yarde, Sarah Foster, Janet Fallon
-
- PA3035 CHARACTERISTICS OF SECOND TUMORS AND RECURRENCES IN SURGICALLY TREATED LUNG CANCER**
Francisco Jose Laso Del Hierro (MADRID, Spain), Pablo Lopez Yeste, Marwan Mohamed Choukri, Ainhoa Izquierdo Perez, Juan Manuel Corral Cano, Jose Julio Zapatero Gaviria, Ignacio Muguruza Trueba, Sara Isabel Vicente Antunes, Felipe Villar Alvarez
-
- PA3036 Autofluorescence bronchoscopy - role in current clinical practice**
Valentin Caius Cosei (Bucuresti (Sector 3), Romania), Camelia Badescu, Ruxandra Ulmeanu
-
- PA3037 Prognostic value of mean platelet volume in non-small cell lung cancer: a real-world, registry-based study**
Andriani Charpidou (Athens, Greece), Kyriaki Cholidou, Nektarios Anagnostopoulos, Dimitra Grapsa, Ioannis Gkiozos, Eleni Kokkotou, Antonios Vassias, Sofia Tsagouli, Petros Bakakos, Ilias Kotteas
-
- PA3038 The Burden of Asymptomatic Lung Cancer**
Sofia Hanger (London, United Kingdom), Chirag Haria, Dana Li, Rahul Mogal
-
- PA3039 In whom could we diagnose second primary lung cancers 'early'?**
Richard Lee (London, United Kingdom), Nick Low, Sanjay Popat
-
- PA3040 ERS Taskforce harmonised standards for lung cancer (LC) registration in Europe and the current Greek screenshot;Is it a long way to Tipperary?**
Georgia Hardavella (London, United Kingdom), Gerasimos Metaxas, Konstantina Mproupi, Ioannis Karampinis, Ilias Kainis

PA3041 **An eleven year analysis of a national health insurance database on primary lung cancer**
Jonray Magallanes (Manila, Philippines), Joel Santiagué

TP-41

Session 306

12:50 - 14:40

Thematic poster: Biology and prognosis of lung cancer

Disease(s) : Thoracic oncology Airway diseases

Method(s) : General respiratory patient care Epidemiology Imaging Cell and molecular biology Surgery Physiology Palliative care

Chairs : Kevin Blyth (Glasgow (Glasgow), United Kingdom), Andriani Charpidou (Athens, Greece), Ilona Rousalova (Praha, Czech Republic), Diego Kauffmann-guerrero (Munich, Germany)

PA3042 **Role of chemokines in resectable non-small cell lung cancer (NSCLC)**
Marie Drösslerová (Opava 5, Czech Republic), Martina Sterclová, Alice Tašková, Vladislav Hytych, Pavel Horažďovský, Eva Richterová, Magdalena Smětáková, Martina Vašáková

PA3043 **Maximum Standard Unit Value (SUVmax) is an indicator for overall survival in lung cancer**
Thida Win (Stevenage (Hertfordshire), United Kingdom), David Groves, Noor Noor Al-Nuaimi, Balaji Ganeshan

PA3044 **Analysis of survival and characteristics of patients with non-small cell lung carcinoma (NSCLC) stage IV depending on molecular markers**
Joseba Andia Iturrate (Barakaldo, Spain), Pablo Jimenez, Laura Ansola, Monica Saiz, Larraitz Garcia, Beatriz Gonzalez, Elena Garay, Pedro Ansola

PA3045 **Prognostic factors in lung cancer: is age an independent predictive factor?**
Teresa Diaz De Teran Lopez (Santander, Spain), Laura Sanchez Moreno, Kimberley Lee, Cristina Magadan Alvarez, Victor Mora Cuesta, Sara Naranjo Gozalo, Beatriz Abascal Bolado, Victoria Maderuelo Garcia, Pablo Lozano Cuesta, David Iturbe Fernández, Diego Ferrer Pargada, Amaya Martínez Meñaca, Carlos Amado Diago, Juan José Ruiz Cubillán, Daniela Andia Torrico, José Manuel Cifrián Martínez

PA3046 **Clinical impact of steps-count during hospitalization after surgery in lung cancer patients**
Janet Rodriguez Torres (Granada, Spain), Lawrence P Cahalin, María Granados-Santiago, Ramón Romero-Fernández, Irene Torres-Sánchez, Marie Carmen Valenza

PA3047 **Value of positron emission tomography parameters for the prognosis of small-cell lung carcinoma**
Ufuk M. Yilmaz (Izmir, Turkey), Özer Özdemir, Özgür Batum, Sinem Ermin, Nimet Aksel, Berna Kömürçüoğlu, Aydan Mertoğlu, Sami Deniz, Günseli Balcı, Hakan Koparal, Engin Özbilek

PA3048 **Prognostic value of symptoms at lung cancer diagnosis: a two-year observational study**
Dinora Polanco Alonso (Tarragona, Spain), Ana Mas, Sandra Bertran, Gemma Fierro, Asuncion Seminario, Silvia Gomez, Ferran Barbe

PA3049 **LENT Score: predicting the survival of malignant pleural effusion—a prospective study of three years**
Sara Raimundo (Vila Real, Portugal), Ana Isabel Loureiro, Fortunato Vieira, Ana Fernandes

PA3050 **Characteristics of Patients with Large-Cell Neuroendocrine Carcinoma of the Lung**
Yelda Varol (Izmir, Turkey), Ali Kadri Cirak, Kenan Can Ceylan, Gulistan Karadeniz, Zekiye Aydogdu, Arkin Acar, Günseli Balcı, Berna Komurcuoglu, Aydan Mertoglu, Zeynep Ondes, Serpil Tekgul, Gorkem Vayisoglu, Enver Yalniz

PA3051 **Incidence and outcome of lung cancer in patients with chronic respiratory failure**
Timothée Lambert (Chécý, France), Kinan El-Husseini, Edouard Dantoing, Johan Dupuis, Florian Guisier, Mathieu Salaun, Suzanna Bota, Maxime Roger, Antoine Cuvelier, Luc Thiberville, Maxime Patout

PA3052 **Evaluation of gene mutation status and metastasis in lung adenocarcinoma: a multicentric prospective study in Turkey**
Senay Yilmaz (Eskisehir, Turkey), Selma Metintas, Mehmet Karadag, Nilgun Yilmaz Demirci, Ozge Aydin Guclu, Pinar Akin Kabalak, Ulku Yilmaz, Guntulu Ak, Derya Kizilgöz, Akin Ozturk, Ufuk Yilmaz, Ozgur Batum, Murat Kavas, Irem Serifoglu, Meftun Unsal, Berna E. Komurcuoglu, Tuba Inal Cengiz, Gaye Ulubay, Tugce S. Ozdemirel, Berna A. Ozyurek, Suna Kavurgaci, Dursun Alizoroglu, Pinar Celik, Yurdanur Erdogan, Adil Zamani, Erdal In, Asude Aksoy, Sedat Altin, Gulsah Gunluoglu, Muzaffer Metintas

PA3053 **Human cytomegalovirus infection effects on lung cancer prognosis after surgical resection**
Lennart Lücke (Bialystok, Poland), Javier Cortón Ruiz, Łukasz Minarowski, Oksana Kowalczyk

PA3054 **Molecular biology of advanced NSCLC and survival: seeking the best therapy**
Mafalda Martins Baptista (Covilhã, Portugal), Natália Martins, Juliana Barata, Roberto Silva, Sara Martins, Ana Craveiro, Maria Jesus Valente, Eunice Magalhães, Inês Vicente, Maria La Salette Valente

- PA3055 Correlation in expression change between transposons and adjacent genes reveal importance of genomic location in lung cancer.**
Esperanza Salcedo Lobera (Málaga, Spain), Macarena Arroyo Varela, Rocío Bautista Moreno, Rafael Larrosa Jiménez, José Luís De La Cruz Ríos, Gonzalo Claros Díaz
- PA3056 Analyses of prognostic factors in patients undergoing surgery for lung cancer.**
Yuki Noda (Tokyo, Japan), Hideki Matsudaira, Hikaru Ogawa, Daiki Kato, Shohei Mori, Takeo Nakada, Hisatoshi Asano, Takashi Ohtsuka
- PA3057 Classic and Novel Adipokines as diagnostic biomarkers in NSCLC**
Georgios Sotiropoulos (London, United Kingdom), Gerasimos Socrates Christodoulatos, Irene Karampela, Georgios Antonakos, Ioanna Marinou, Marianna Kotopouli, Evangellos Vogiatzakis, Antigoni Lekka, Athanasios Papavassiliou, Maria Dalamaga
- PA3058 Chemerin and PAI-1 activity as diagnostic biomarkers in resectable NSCLC: comparison to classic tumour markers**
Georgios Sotiropoulos (London, United Kingdom), Marianna Kotopouli, Irene Karampela, Gerasimos Socrates Christodoulatos, Georgios Antonakos, Ioanna Marinou, Evangelos Vogiatzakis, Antigoni Lekka, Athanasios Papavassiliou, Maria Dalamaga
- PA3059 The prognostic value of the albumin-to-fibrinogen ratio in lung cancer patients.**
Sisi DAI (Chengdu, China), Lan Yang, Lei Li, Weimin Li
- PA3060 Pulmonary carcinoid tumor: a single institution experience**
Kristina Krpina (Strmec Samoborski, Croatia), Suzana Kukulj , Bernard Budimir , Marko Jakopović, Miroslav Samaržija , Lovorka Batelja , Željko Djaković
- PA3061 Expression of PARP in lung cancer: Patients with COPD and mice**
Esther Barreiro Portela (Barcelona, Spain), Jun Tang, Jose Yelamos, Coral Ampurdanes, Anna Salazar-Degracia, Xuejie Wang, Lara Pijuan , Víctor Curull

TP-42

Session 307

12:50 - 14:40

Thematic poster: Diagnosis of lung cancer**Disease(s) :** Thoracic oncology Airway diseases**Method(s) :** Endoscopy and interventional pulmonology Imaging Surgery General respiratory patient care Cell and molecular biology Epidemiology**Chairs :** Nicolas Dickgreber (Rheine, Germany), Agata Raniszewska (Warszawa, Poland), Rhys Hamon (Adelaide, Australia)

- PA3062 Bronchoscopic re-biopsy for progressive lung cancer**
Daniela Gompelmann (Heidelberg, Germany), Petros Christopoulos, Felix Lasitschka, Ralf Eberhardt, Michael Thomas, Felix Herth
- PA3063 Diagnostic value of pleural effusion for the detection of EGFR in NSCLC: a meta-analysis**
lan yang (Chengdu, China), lan yang, Panwen Tian, Weimin Li
- PA3064 Is it useful to analyse all waste material obtained during endobronchial ultrasound-transbronchial needle aspiration (EBUS-TBNA)?**
Vykbobie Tharmarajah (Shrewsbury (England), United Kingdom), Helen Hope, Ellen Cobby, Joanna Stafford, Richard Heinink
- PA3065 The endobronchial ultrasound features of malignancy**
Hannah Yeo (Southampton, United Kingdom), Christopher Hack, Anindo Banerjee
- PA3066 Hemoptysis and lung cancer: can we be reassured when Chest CT is negative?**
João Nunes Caldeira Marinho Matos (Ponta Delgada, Portugal), Sofia Rodrigues Sousa, Teresa Costa, Yvette Martins, Ana Figueiredo, Fernando Barata
- PA3067 Frequency and clinical-tomographic characterization of NSCLC with T790M mutation to TKI progression.**
Carla Paola Sanchez Rios (Ciudad de México, Mexico), Jerónimo Rafael Rodríguez Cid, Jorge Arturo Alatorre Alexander
- PA3068 Role of flexible bronchoscopy in the management of patients with febrile neutropenia and lung infiltrates in a cancer setting hospital**
Usman Khalid (Lahore, Pakistan), Junaid Akram, Bilal Ashraf, Faheem Mehmood, Faheem Khan
- PA3069 Endobronchial ultrasound for mediastinal restaging in non-small cell lung cancer**
Sonia Margarita Baeza Mena (barcelona, Spain), Carmen Angela Centeno Clemente, Pere Serra Mitja, Rachid Tazi Mezalek, Carlos Martinez Barenys, Filipe Gonçalves Dos Santos Carvalho, Mohamed Torkey, Jorge Abad Capa , Felipe Andreo García

- PA3070 PERC (Pulmonary Embolism Rule-Out Criteria) puzzle in lung cancer (LC) patients and general population**
Georgia Hardavella (London, United Kingdom), Maria Dimitra Xigki, Katerina Chrysouli, Aggeliki Pandi, Ioannis Karampinis, Ilias Kainis
- PA3071 EBUS elastography for rapid on site lymph node evaluation; A useful tool?**
Pavlos Zarogoulidis (Thessaloniki, Greece), Konstantinos Porpodis, Dimitris Xatzibougias, Theodora Tsiouda, Daniil Daniilidis
- PA3072 PD-L1 evaluation with DAKO and BIOCARE antibody for immunotherapy; Same coin different faces**
Pavlos Zarogoulidis (Thessaloniki, Greece), Konstantinos Porpodis, Dimitris Xatzibougias, Theodora Tsiouda, Daniil Daniilidis
- PA3073 Fluoroscopy guided percutaneous biopsy in combination with bronchoscopy and endobronchial ultrasound in the diagnosis of suspicious lung lesions – the triple approach**
Jatinder Singh Sidhu (Roedovre, Denmark), Geir Salte, Ida Skovgaard Christiansen, Therese Naur, Asbjorn Hoeegholm, Paul Frost Clementsen, Uffe Bodtger
- PA3074 Flexible bronchoscopy for lung cancer diagnosis in patients 85 years and older**
Masamichi Mineshita (Kawasaki (Kanagawa), Japan), Kei Morikawa, Hirota Kida, Naoki Furuya, Hiroshi Handa, Hiroki Nishine, Takeo Inoue, Teruomi Miyazawa
- PA3075 Hitting the target - How well can the negative predictive value of targeted EBUS be measured?**
Imran Howell (Worcester Park, United Kingdom), Imran Howell, Leonie Glinski, Stephen Iles, James Garvican, Meme Wijesinghe
- PA3076 Central tumor location and presence of occult lymph node metastasis in cT1N0M0 NSCLC**
Pascal Roy (Québec City, Canada), Alexandra Lévesque-Laplante, Marc Fortin
- PA3077 Incidence of hidden extrathoracic metastases and unexpected second malignancies detected by PET in patients with lung cancer.**
Bruno Garcia Cabo (Barcelona, Spain), Cristina Caupena Auledas, Mireia Martínez Palau, Teodora Pribic, Roser Costa Solá, Annie Navarro Rolon, Berta Blanco Burguet, José Manuel González González, Montserrat Ysamat Marfá, José Sanz Santos
- PA3078 Concordance between rapid on-site evaluation (ROSE) and final diagnosis in patients undergoing endobronchial ultrasound-guided transbronchial needle aspiration for non-small cell lung cancer staging**
Cristina Caupena Auledas (Barcelona, Spain), Mireia Martinez Palau, Bruno Garcia Cabo, Teodora Pribic, Lluís Esteban Tejero, Francisco Perez Ochoa, Raquel Albero Gonzalez, Carmen Ferrer Cassado, Pilar Forcada Guiu, Sandra Patricia Pontes De Sousa, Xavier Tarroch Sarasa, Jose Sanz Santos
- PA3079 Cumulative incidence and associated risk factor of chronic pulmonary infection after lung resection surgery for lung cancer**
Jiyeon Kang (seoul, Republic of Korea), Kyeungjong Lee, Sang-Won Um, Hojoong Kim, O Jung Kown, Yong Soo Choi, Byeong-Ho Jeong
- PA3080 Effect of a fast track CT pathway on diagnostic and treatment waiting times in lung cancer patients**
Paola Lisseth Ordóñez Gómez (Valencia, Spain), José Franco Serrano, Carolina Lahosa Córdoba, Miguel Ángel Mollá Landete, Julia Tarrasó Castillo
- PA3081 Bronchoscopic brushing from central lung cancer – Next generation sequencing results are reliable**
Lars Hagemeyer (Haan, Germany), Jana Fassunke, Marianne Engels, Marcel Tremel, Simon Herkenrath, Sandhya Matthes, Reinhard Büttner, Winfried Randerath

TP-43

Session 308

12:50 - 14:40

Thematic poster: Pleural disease: applying the evidence

Disease(s) : Thoracic oncology Airway diseases

Method(s) : Epidemiology General respiratory patient care Endoscopy and interventional pulmonology Palliative care Imaging Surgery Cell and molecular biology

Chairs : Mohammed Jamal Eldeen Salih Ahmed (Dublin 12, Ireland), Mohammed Munavvar (Preston (Lancashire), United Kingdom), Hari Kishan Gonuguntla (SECUNDERABAD, India), Olalla Castro Añón (Lugo, Spain)

- PA3082 Case Series: Non-resolving pneumothorax – an early presentation of mesothelioma**
Alexander Taylor (London, United Kingdom), Tara Sathyamoorthy

- PA3083 LENT score - useful clinical tool?**
Bavithra Vijayakumar (thame (Oxfordshire), United Kingdom), Tom Hosack

- PA3084 Success rate of talc pleurodesis**
Joanna Grech (Msida, Malta), Yanika Gatt, James Farrugia, Christopher Zammit, Stephen Montfort
-
- PA3085 Diagnostic yield and safety of medical thoracoscopic versus CT guided percutaneous tru-cut pleural biopsy**
Gehan H. Abo E-Magd (Tanta, Egypt), Ahmad H. Abouissa, Ibrahim Abbass
-
- PA3086 An assessment of treatment decisions and patient outcomes in Pleural Service users based on age and performance status, at the Western General Hospital, in Edinburgh**
Alex Forster (Edinburgh, United Kingdom), Andrew Leitch
-
- PA3087 Three Year Retrospective analysis of Pleural Procedure Services**
Narendrababu Rampura Chinnappa (Swansea (West Glamorgan), United Kingdom), Amir Mushtaq, Joy Thomas
-
- PA3088 Heterogeneous delivery of definitive interventions in malignant pleural effusions – results from a Danish survey.**
Uffe Bodtger (Naestved, Denmark), Karin Armbruster, Søren Helbo Skaarup, Henrik Kirstein, Christian B. Laursen
-
- PA3089 Lymphocytic Pleural Effusions: Aetiology and Frequency in a UK District General Hospital**
Damian Dooey (Manchester, United Kingdom), Linda William, Andrew Cheng, Nyla Nasir, Marta Babores, Thapas Nagarajan
-
- PA3090 Core cutting needle biopsy of anterior mediastinal tumors : Do we really need Chest Tomographic Scan to proceed?**
Kalliopi Athanassiadi (Athens, Greece), Evangelia Liverakou, Dimitrios Magouliotis, Aikaterini Katsandri, Christina Vourlakou, Eleni Testebasi
-
- PA3091 Role of Biomarkers for Predicting suspecting Malignant Mesothelioma in patients with Pleural Effusion presenting to a tertiary care hospital**
Zafar Iqbal (Peshawar (Khyber Pakhtunkhwa), Pakistan), Mazhar Ali Khan, Mohammad Yousaf Khan, Zia Ullah
-
- PA3092 Systematic review of the management of Solitary Fibrous Tumours of the Pleura (SFTP)**
Rachel Mercer (Guildford (Surrey), United Kingdom), Charlotte Wigston, Radhika Banka, Maged Hassan, Rachelle Asciak, Eihab Bedawi, David Mccracken, Robert Hallifax, Najib Rahman
-
- PA3093 Understanding how variation in clinical practice affects length of stay for patients with malignant pleural effusion.**
Carmen Tan (Singapore, Singapore), Poh Seo Quek, Ruth Chang
-
- PA3094 Thymic epithelial tumours – a retrospective analysis of 20 years in a Portuguese pneumology department**
Inês Rodrigues (Porto, Portugal), Luísa Nascimento, Teresa Gomes, Sara Heleno, Ana Cláudia Pimenta, Bebiana Conde, Ana Fernandes
-
- PA3095 Etiology of mediastinal lymph node enlargement in patients who underwent EBUS-TBNA.**
Katarzyna Faber (Warsaw, Poland), Marta Dabrowska, Martyna Tandejko-Burdyna, Piotr Korczynski, Rafal Krenke
-
- PA3096 How often is a single therapeutic aspiration sufficient to manage a malignant pleural effusion and does oncological treatment have an impact on this?**
Rachel Mercer (Guildford (Surrey), United Kingdom), Gillian Shepherd, Najib Rahman
-
- PA3097 Meeting the National Mesothelioma Audit standards in clinical practice: How achievable is it?**
Elizabeth Romer (Leatherhead, United Kingdom), Elizabeth Romer, Laura Watkins, Freddy Frost, Martin Ledson
-
- PA3098 The qualitative role of Endobronchial Elastography with Endobronchial Ultrasound in differentiating Malignant and Benign lesions-A retrospective single center study**
Rajesh Gupta (Gautam Budh Nagar (Uttar Pradesh), India), Rajesh Gupta, Sharad Joshi, Ankit Bhatia, Nitesh Tayal, Praveen Pandey
-
- PA3099 2-Deoxy-glucose synergizes with Cisplatin and Pemetrexed chemotherapeutics to reduce cell migration of mesothelioma cells**
Eleanna Pitaraki (Larissa, Greece), Irene Gerogianni, Rajesh Jagirdar, Olympia Kouliou, Chrissi Hatzoglou, Konstandinos Gourgouliannis, Sotiris Zarogiannis
-
- PA3100 Technical limitation of semi-automated volumetric analysis using CT in patients with Malignant Pleural Mesothelioma**
Andrew C Kidd (Glasgow (Glasgow), United Kingdom), Selina Tsim, Kevin G Blyth

TP-44

Session 309

12:50 - 14:40

Thematic poster: Interventional pulmonology techniques: targeting selective lung tissue

Disease(s) : Thoracic oncology Interstitial lung diseases Respiratory critical care

Method(s) : Endoscopy and interventional pulmonology Imaging Surgery

Chairs : Dirk-Jan Slebos (Groningen, Netherlands), Ravindra M Mehta (Bangalore (Karnataka), India), Mayank Vats (Dubai, United Arab Emirates), Amita Nene (Mumbai (Maharashtra), India)

- PA3101** **Cap-shaped bronchial foreign bodies extraction in children by cryotherapy via flexible bronchoscopy**
JIAO ANXIA (Beijing, China), Fang Liu, Yuyan Ma, Guo Yan, Xiaochun Rao, Chenfang Meng, Yuena Pan, Gan Li, Fang Wang
-
- PA3102** **Could chest ultrasound replace chest X-ray for the diagnosis of pneumothorax after pulmonary cryobiopsy?**
Marta A Diez-Ferrer (Hospitalet de Llobregat (Barcelona), Spain), Rosa Maria Lopez Lisbona, Noelia Cubero De Frutos, Pere Trias Sabria, Antonia Bonet Burguera, Yuliana Pascual Gonzalez, Vanesa Vicens Zygmunt, Maria Molina Molina, Salud Santos Perez, Jordi Dorca Sargatal
-
- PA3103** **Endobronchial balloon blockers. A retrospective review of their implementation at Cork University Hospital for use in transbronchial lung cryobiopsy under conscious sedation.**
Kevin Frederick Deasy (Ballincollig, Ireland), Laura Jane Walsh, Michael Thomas Henry
-
- PA3104** **Transbronchial lung cryobiopsy (TBLC) and bronchoalveolar lavage (BAL) in diagnosis of Interstitial Lung Diseases (ILD)**
Gabriela Sofia Fonseca Ferreira Santos (Lisboa, Portugal), Ricardo Gomes, Miguel Lopes, Helena Grumete, Jorge Soares, José Duarte
-
- PA3105** **Variables related to complications after pulmonary cryobiopsy.**
Pere Trias Sabria (Barcelona, Spain), Eduard Dorca Duch, Rosa López Lisbona, Noelia Cubero De Frutos, Marta Diez Ferrer, Antoni Rosell Gratacos, Jordi Dorca Sargatal
-
- PA3106** **Transbronchial cryobiopsy in the multidisciplinary diagnosis of pneumoconiosis**
Zhi Ao (, China), Shuliang Guo, Wan Zeng, Yishi Li, Shenghui Jin, Xianghua Yi, Xuyou Zhu, Jinyue Jiang, Yang Xiao, Xingxing Jin
-
- PA3107** **Experiences with Transbronchial Cryobiopsies from a Tertiary Danish ILD Center**
Inge Skov (Odense, Denmark), Jesper Rømhild Davidsen, Christian B. Laursen
-
- PA3108** **Diagnostic yield and safety profile of cryobiopsy in various lung pathologies**
Sameer Arbat (Nagpur (Maharashtra), India), Ashok Arbat, Swapnil Bakamwar, Parimal Deshpande, Bharat Agrawal, Vinit Niranjane
-
- PA3109** **Transbronchial cryobiopsy for patients suspected of lung cancer**
Mamoru Kunisaki (Sapporo, Japan), Nafumi Shinagawa, Kousuke Tsuji, Tomo Ikari, Mineyoshi Sato, Hirofumi Takahashi, Yuta Takashima, Megumi Furuta, Tetsuaki Shoji, Hidenori Mizugaki, Hajime Asahina, Eiki Kikuchi, Jun Sakakibara
-
- PA3110** **Cryobiopsy: a paradigm shift in the invasive diagnosis of IPF**
Sara Tomassetti (Forli, Italy), Antonella Arcadu, Martina Marchi, Claudia Ravaglia, Silvia Puglisi, Aurora Mendez, Filipa Carrico, Alberto Cavazza, Giulio Rossi, Thomas V Colby, Sara Piciucchi, Brett Ley, Harold Collard, Jay H Ryu, Christian Gurioli, Luca Donati, Marcello Bosi, Alessandra Dubini, Venerino Poletti
-
- PA3111** **Diagnostic utility of miniprobe guided transbronchial needle aspiration using a novel transbronchial aspiration needle**
Suman Paul (Warrington, United Kingdom), Mohammed Munavvar
-
- PA3112** **Diagnostic value of bronchoscopy for peripheral metastatic lung tumors.**
Yoshie Tsujimoto (Shinjuku-ku, Japan), Yuji Matsumoto, Midori Tanaka, Takaaki Tsuchida
-
- PA3114** **Electromagnetic navigation bronchoscopy (ENB): single centre experience with the first 15 procedures**
Adrian Crutu (THIAIS, France), Amir Hanna, Maria-Rosa Ghigna, Alexandra De Lemos, Olaf Mercier, Elie Fadel, Pierre Baldeyrou
-
- PA3115** **Feasibility of low dose chest CT for virtual bronchoscopy navigation in a porcine model**
Jung Seop Eom (Busan, Republic of Korea), Insu Kim, Min Ki Lee, Ji Yeon Roh, Hyun Sung Chung, Kyu Min Lee, Seyeon Park
-
- PA3116** **Added value of cone beam CT imaging to electromagnetic navigation bronchoscopy in diagnosing small pulmonary lesions**
Roel Verhoeven (Vinkel, Netherlands), Jurgen Fütterer, Wouter Hoefsloot, Erik H.F.M. Van Der Heijden
-
- PA3117** **Real-time 3D cone beam CT imaging guidance for advanced navigation bronchoscopy to centimeter sized lesions**
Roel Verhoeven (Vinkel, Netherlands), Jurgen Fütterer, Stephanie Schampaert, Alessandro Radaelli, Wouter Hoefsloot, Erik H.F.M. Van Der Heijden
-
- PA3118** **Brochoscopic resection of tumours in the distal airways: the single centre experience**
Vítězslav Kolek (Olomouc, Czech Republic), Petr Jakubec, Juraj Kultán, Stanislav Losse, Ales Vaclavik, Jaromir Zatloukal

PA3119 Late Breaking Abstract - High diagnostic yield of ultrasound-assisted percutaneous biopsies of peripheral lung, pleural and subcutaneous lesions performed by respiratory physicians
Gary Hammerschlag (McKinnon (VIC), Australia), John Taverner, Sameer Karnam, Louis Irving

PA3120 Late Breaking Abstract - Efficacy of radial EBUS with thin bronchoscope in patients with peripheral pulmonary lesions
KIHYUN SEO (Cheonan, Republic of Korea), Jiwon Lyu, Hosung Lee, Jaesung Choi, Juock Na, Yonghoon Kim

TP-45

Session 310

12:50 - 14:40

Thematic poster: Interventional pulmonology: current pleural practice

Disease(s) : Thoracic oncology Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : General respiratory patient care Endoscopy and interventional pulmonology Epidemiology Surgery

Chairs : Marios E. Froudarakis (Alexandroupolis, Greece), Samy Lachkar (Rouen, France), Mehrnaz Asadi Gharabaghi (Tehran, Islamic Republic of Iran), Julia N.S. d'Hooghe (Amsterdam, Netherlands)

PA3121 Primary spontaneous pneumothorax, does size matter?
Eduarda Tinoco (Porto, Portugal), Ana Rita Gigante, Carla Ribeiro, Eloísa Silva, Teresa Shiang, Manuela Vanzeller

PA3122 CT-scan guided Abrams needle pleural biopsy or medical thoracoscopy: which method in which patient
Muzaffer Metintas (Eskişehir, Turkey), Guntulu Ak, Huseyin Yildirim, Senay Yilmaz, Emine Dunder, Tunahan Yüce, Selma Metintas

PA3123 The influence of age and comorbidities in semi-flexible local anesthetic pleuroscopy
Rebeca Martins Natal (Guarda, Portugal), Gonçalo Samouco, Marcos Oliveira, Rita Gomes, Luís Vaz Rodrigues

PA3125 Clinical performance of a 6 mm mini rigid thoracoscope for diagnostic and therapeutic medical thoracoscopy
Chetan Vaddepally (Hyderabad (Telangana), India), Srikanth Peddi, Nagarjuna Maturu

PA3126 Pneumothorax, a three years review
Eduarda Tinoco (Porto, Portugal), Ana Rita Gigante, Carla Ribeiro, Eloísa Silva, Teresa Shiang, Manuela Vanzeller

PA3127 Ambulatory pneumothorax management with 8FG Rocket® Pleural Vent™
Avinash aujayeb (newcastle, Mauritius)

PA3128 Efficacy evaluation, time estimates for method of bronchial valve closure (BVC) in the treatment of patients with double infections of immunodeficiency virus / tuberculosis (HI virus/TB)
Danil Iurev (Moscow, Russian Federation), Sergey Smerdin, Mikhail Toschevnikov, Diana Akimova

PA3129 The efficacy and safety of giant emphysematous bulla volume reduction via medical thoracoscopy
Hua Zhang (Rizhao (Shandong), China), Hua Zhang, Lei Wang, Changsheng Ge, Guangwei Xue, Cunling Duan, Xiaoli Liu, Weiwei Xu, Zongtao Liu, Mengyao Wang, Xiancong Bu, Wei Zhang

PA3130 Thoracoscopic talc poudrage (TTP) in malignant (M) pleural effusion (PE): when to perform it?
Valentina Pinelli (Brescia (BS), Italy), Alice Bragantini, Federica Novelli, Massimiliano Sivori, Pier Aldo Canessa, Vanna Balestracci, Giampietro Marchetti

PA3131 Talc pleurodesis by thoracoscopy in patients with primary spontaneous pneumothorax: a 10-year experience.
Eva Brysch (Lisboa, Portugal), Catarina Antunes, Mónica Pereira, Alexandre Almendra, Francisco Freitas, Paula Monteiro, José Rosal, Cristina Bárbara

PA3132 Effectiveness and safety of tunneled pleural catheter placement in patients with malignant pleural effusions
Francisco Xavier Leon Roman (Madrid, Spain), Diana Chiluiza Reyes, Edwin Mercedes Noboa, Carmen Rodriguez Calle, Diurbis Velasco Álvarez, Andrea Pérez Figuera, Beatriz Pintado Cort, Esther Barbero Herranz, Beatriz Prieto González, Paola Arrieta Narváez, Deisy Barrios Barreto

PA3133 Role of pleural irrigation with normal saline versus streptokinase in complicated pleural effusions.
Avya Bansal (Mumbai (Maharashtra), India), Amita Nene, Jyothi Hattiholi

PA3134 Novel method of chemical pleurodesis for pneumothorax with continuous air leak and persistent collapsed lung
Manoj Yadav (Vadodara (Gujarat), India)

PA3135 Pneumothorax: The impact of smoking
Rita Coelho Soares Rosa (Lisboa, Portugal), Ines Ribeiro, Cristina Matos, Fernando Nogueira

PA3136 Safe and effective pleural services: Does the UK's Northern Deanery measure up?
Samuel Richardson (Gateshead, United Kingdom), Umair Falak, Gemma Stiller

TP-46

Session 311

12:50 - 14:40

Thematic poster: Interventional pulmonology: re-sculpting the airway**Disease(s) :** Airway diseases Respiratory critical care Thoracic oncology**Method(s) :** Endoscopy and interventional pulmonology Pulmonary function testing Palliative care General respiratory patient care**Chairs :** Karin Klooster (Groningen, Netherlands), Christophe von Garnier (Bern, Switzerland), Maren Schuhmann (Heidelberg, Germany), Bruno Escarguel (Marseille, France)

- PA3137 Airway Stents: Changing paradigms in the management of airway stenosis**
Kedar Ravi Hibare (Bangalore (Karnataka), India), Abhinav Singla, Faustina Funke, Jane Winantea, Rudiger Karpf-Wissel, Kaid Darwiche
-
- PA3138 THE GROWING ROLE OF FLEXIBLE THERAPEUTIC BRONCOSCOPY**
Blanca De Vega Sanchez (Valladolid, Spain), Carlos Disdier Vicente, Sofia Jaurrieta Largo, Vicente Roig Figueroa, Santiago Juarros Martinez
-
- PA3139 Tracheal stenosis following intubation due to cardiogenic shock – a particular challenge?**
Maria Aurora Pinto Mendes (Penafiel, Portugal), Sérgio Campinha, Daniel Coutinho, Ana Oliveira, Sofia Neves, José Almeida
-
- PA3141 External fixation of Tracheal silicon stent by a novel technique**
Gopal Chawla (New Delhi (Delhi), India), Saurabh Mittal, Anant Mohan, Karan Madan, Vijay Hadda, Randeep Guleria
-
- PA3142 Quality of Life in patients with lung cancer after endobronchial intervention for malignant central airway obstruction**
Andriani Charpidou (Athens, Greece), Danai Theodoulou, Grigoris Stratakos, Ilias Porfyridis, Vlassios Vitsas, Dimitra Grapsa, Ioannis Gkiozos, Meropi Panagiotarakou, Konstantinos Syrigos, Nikolaos Koulouris
-
- PA3143 Airway stenting current practices evaluation : survey among the French bronchoscopy practitioners.**
Edouard Virot (Strasbourg, France), Jean Michel Vergnon, Christophe Marcot, Cezar Matau, Michele Porzio, Romain Kessler
-
- PA3144 The outcome of airway stenting in malignant airway involvement in esophageal cancer**
Nophol Leelayuwatanakul (Bangkok, Thailand), Thitiwat Sriprasart
-
- PA3145 Tracheobronchial Y stents and esophageal stenting in esophageal carcinoma with lesions near the carina**
Ajmal Khan (Lucknow (Uttar Pradesh), India), Alok Nath, Zia Hashim, Mansi Gupta
-
- PA3146 A simplified technique for self-expandable metallic Y-shaped airway stent deployment without use of rigid bronchoscope or fluoroscopic guidance**
Yishi Li (Chongqing, China), Shuliang Guo, Xinzhu Liu, Yang Xiao, Meiling Xiao, Xingxing Jin
-
- PA3147 A single centre experience with the placement of tracheobronchial silicone Y Stents**
Ajmal Khan (Lucknow (Uttar Pradesh), India), Alok Nath, Zia Hashim, Mansi Gupta
-
- PA3148 Interventional bronchoscopy in locally advanced thyroid cancer with tracheal invasion**
Andre Terras Alexandre (Bragança, Portugal), Jorge Dionísio, Ambrus Szantho, Duro Da Costa, Ricardo Nogueira
-
- PA3149 Foreign Airway Body in Adults: A different perspective?**
Francisco Antonio Mendez Salazar (A Coruña , Spain), Santiago De Jorge Dominguez Pazos, Elena Elguezabal Bilbao, Iria Vidal Garcia , Ana Souto Alonso, Carmen Montero Martinez
-
- PA3150 First in human experience of placement of a new size endobronchial valve 5.5LP**
Karin Klooster (Groningen, Netherlands), David T Koster, Marlies Van Dijk, Jorine E. Hartman, Eva M. Van Rikxoort, Dirk-Jan Slebos
-
- PA3151 Pulmonary function before and early after endobronchial valve placement in patients with chronic cavitary tuberculosis**
Mikhail Chushkin (Moscow, Russian Federation), Lydia Popova, Elena Shergina, Natalya Karpina, Irina Shabalina, Tatevik Bagdasaryan, Natalya Chernykh, Olga Lovacheva, Oleg Ots
-
- PA3152 Early and late complications of lung volume reduction coil therapies**
Askin Gülsen (Izmir, Turkey), Ayse Pelin Girgin
-
- PA3153 Bronchoscopic lung volume reduction: do sequential endobronchial valve placements reduce pneumothorax rate?**
Torsten Born (Rüsselsheim, Germany), Christian Von Mallinckrodt, Pierre-Andre Grandjean, Nesrin Tekeli
-
- PA3154 Mechanisms of action of endobronchial coil treatment**
Jorine E. Hartman (Groningen, Netherlands), Karin Klooster, Sonja Augustijn, Wouter H. Van Geffen, Justin Garner, Pallav L. Shah, Nick H.T. Ten Hacken, Dirk-Jan Slebos

PA3155 Impact of Emphysema Heterogeneity on Lung Function after Bronchoscopic Lung Volume Reduction
Adnan Majid (Boston, United States of America), Gerard Criner, Antoine Delage

PA3156 Bronchoscopic lung volume reduction: is lobar gas exchange an option for target lobe selection?
Michael Perch (Copenhagen, Denmark), Pierre-Andre Grandjean, Helle Hjorth Johannesen, Mette Siemsen, Karin Graeser, Martin Iversen, Jann Mortensen

TP-47 Session 312 12:50 - 14:40

Thematic poster: Imaging in respiratory disease: novel technologies in 2019

Disease(s) : **Airway diseases** Pulmonary vascular diseases **Interstitial lung diseases** Respiratory critical care Sleep and breathing disorders

Method(s) : Imaging Physiology Endoscopy and interventional pulmonology Respiratory intensive care Cell and molecular biology Pulmonary function testing

Chairs : Jose Vilar (Valencia, Spain), David Laszlo Tarnoki (Budapest, Hungary), Helmut Prosch (Wien, Austria), Johan Coolen (Leuven, Belgium)

PA3157 Hyperpolarised 129-xenon diffusion-weighted MRI in interstitial lung disease
James Eaden (Sheffield (South Yorkshire), United Kingdom), Ho-Fung Chan, Paul Hughes, Nicholas Weatherly, Matthew Austin, Laurie Smith, Jim Lithgow, Andrew Swift, Stephen Renshaw, Maya Buch, Colm Leonard, Sarah Skeoch, Nazia Chaudhuri, Geoff Parker, Stephen Bianchi, Jim Wild

PA3158 Longitudinal change in hyperpolarised 129-xenon MR spectroscopy in interstitial lung disease
James Eaden (Sheffield (South Yorkshire), United Kingdom), Paul Hughes, Guilhem Collier, Graham Norquay, Nicholas Weatherly, Matthew Austin, Laurie Smith, Jim Lithgow, Andrew Swift, Stephen Renshaw, Maya Buch, Colm Leonard, Sarah Skeoch, Nazia Chaudhuri, Geoff Parker, Stephen Bianchi, Jim Wild

PA3159 Predicting multiple breath washout outcomes from hyperpolarised gas magnetic resonance imaging (MRI).
Carl Whitfield (Manchester, United Kingdom), Alex Horsley, Oliver Jensen, Felix Horn, Laurie Smith, Guilhem Collier, Jim Wild

PA3160 Assessing ventilation/perfusion properties with dynamic 19F-MRI of inhaled perfluoropropane
Benjamin Pippard (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Mary Neal, A John Simpson, Pete Thelwall

PA3161 Compressed sensing to reduce breath-hold duration in 19F-MR ventilation imaging
Benjamin Pippard (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Mary Neal, Adam Maunder, A John Simpson, Kieren Hollingsworth, Jim Wild, Pete Thelwall

PA3162 Free breathing lung MRI T1 in patients with idiopathic pulmonary fibrosis and healthy volunteers.
Laura Saunders (Hope Valley, United Kingdom), James Eaden, Stephen Bianchi, Andrew Swift, Jim Wild

PA3163 Correlations of ventilation heterogeneity and spirometry in asthma; initial experience with hyperpolarised gas MRI in a clinical setting.
Grace Mussell (Sheffield, United Kingdom), Helen Marshall, Laurie Smith, Alberto Biancardi, Paul Hughes, Andy Swift, Guilhem Collier, Jim Wild, Ian Sabroe

PA3164 Repeatability and Sensitivity to change of right ventricular analysis methods using cardiac magnetic resonance imaging in PAH: results from the RESPIRE Study
Andy Swift (Sheffield (South Yorkshire), United Kingdom), Marcella Cogliano, Charlotte Oram, Lindsay Kendall, Dave Capener, Pankaj Garg, Chris Johns, Alistair Macdonald, Fred Wilson, Tony Cahn, Allan Lawrie, Robin Condliffe, David Kiely, Jim Wild

PA3165 Using an upright MRI system to assess the impact of posture on diaphragm morphology
Shahideh Safavi (Nottingham (Nottinghamshire), United Kingdom), Christoph Arthofer, Andrew Cooper, James Harkin, Andrew Prayle, Milind Sovani, Charlotte Bolton, Penny Gowland, Ian Hall

PA3166 Regional distribution of lung inflammation in a multiple-hit model of ARDS assessed by micro-PET-CT imaging in juvenile rabbits
Miklos Kassai (Szeged, Hungary), Andre Dos Santos Rocha, Gergely Fodor, Roberta Sudy, Loïc Degrugilliers, Ferenc Petak, Walid Habre, Sam Bayat

PA3167 Lung deposition of extrafine vs non-extrafine triple therapies in patients with COPD using Functional Respiratory Imaging (FRI).
Eva Topole (Ljubljana, Slovenia), Omar Usmani, Benjamin Mignot, Dennis Belmans, Cedric Van Holsbeke, Jan De Backer, Romina Osello, Erika Cuoghi, George Georges, Nicola Scichilone

PA3168 A view of three dimensional unit structures of alveoli in peripheral lung
Hiroshi Natori (Sapporo, Japan), Hirotsugu Takabatake, Masaki Mori, Masahiro Oda, Kensaku Mori, Hiroyuki Koba, Hiroki Takahashi

- PA3169** **Optical coherence tomography (OCT) detects collagen within the airway wall extracellular matrix**
Orestes Carpaij (Groningen, Netherlands), A.W.M. Goorsenberg, D.M. De Bruin, R.M. Van Den Elzen, M.C. Nawijn, H.A.M. Kerstjens, M. Van Den Berge, J.T. Annema, J.K. Burgess, P.I. Bonta
-
- PA3170** **Confocal laser endomicroscopy (CLE) in patients with acute respiratory failure on the ICU**
Kirsten A. Mooij - Kalverda (Amsterdam, Netherlands), Lizzy Wijmans, Lieuwe Bos, Marry Smit, Inge Van Den Berk, Daniel De Bruin, Peter Bonta, Marcus Schultz, Jouke Annema
-
- PA3171** **Imaging functional and microstructural changes in the lungs of children born prematurely**
James M. Wild (Sheffield (South Yorkshire), United Kingdom), Alberto Biancardi, Ho-Fung Chan, Laurie Smith, Jody Bray, Helen Marshall, Guilhem Collier, Graham Norquay, Paul Hughes, Andrew Swift, Mike Cousins, Kylie Hart, Sailesh Kotecha
-
- PA3172** **Optical coherence tomography (OCT) in patients with acute respiratory failure on the ICU**
Lizzy Wijmans (Amsterdam, Netherlands), Kirsten A. Mooij - Kalverda, Lieuwe Bos, Annika Goorsenberg, Marry Smit, Inge Van Den Berk, Daniel De Bruin, Peter Bonta, Marcus Schultz, Jouke Annema
-
- PA3173** **Application of topological data analysis for visualisation of small airway ventilation heterogeneity and disease in asthma**
Alexander Bell (Leicester (Leicestershire), United Kingdom), Matthew Richardson, Brody Foy, Craig Galban, Salman Siddiqui
-
- PA3174** **Combining patient-specific airway models with acinar asymmetry in simulations of multiple breath washout (MBW)**
Carl Whitfield (Manchester, United Kingdom), Brody Foy, David Kay, Oliver Jensen, Alex Horsley

9E Session **13:00 - 14:30****Lunchtime session: Vaping-induced lung disease: what the respiratory health-care provider needs to know?**

Aims : to describe the current on-going epidemic of acute lung disease reported in the US and present the clinical characteristics of patients admitted for severe lung disease requiring admission and reporting use of e-cigarettes; to highlight the findings of current studies examining acute and chronic effects of e-cigarettes and supporting their (lack of) safety; to debate what the respiratory physician might consider before recommending for or against e-cigarettes as smoking cessation aid; to explore potential public health consequences of the use of e-cigarettes in different patient populations including children and adolescents;

To discuss actions that could be initiated by the respiratory health care community to mitigate future problems related to e-cigarettes

Disease(s) : **Respiratory infections** **Interstitial lung diseases**

Method(s) : Epidemiology Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Radiologist, Physiologist, Student, Trainee

Chairs : Sofia Belo Ravara (Covilhã, Portugal), Francesco Blasi (Milan, Italy), Monika Gappa (Düsseldorf, Germany), Chair to be confirmed

13:00 **Introduction**
Daiana Stolz (Basel, Switzerland)

13:05 **Pulmonary illness related to e-cigarette: a new epidemic in the US?**
David Christiani (Boston, United States of America)

13:25 **Evidence and e-cigarettes: explaining English exceptionalism (video)**
Martin McKee (London, United Kingdom)

13:35 **E-cigarettes, harm reduction and the ERS' position**
Jørgen Vestbo (Manchester (Greater Manchester), United Kingdom)

13:55 **Panel discussion with chairpersons and speakers**

9C Session 313 **13:00 - 14:15****Assembly members' meeting: Assembly 1 General pneumology**

Chairs : Ioannis Vogiatzis (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)

8A Session 314 **13:00 - 14:30****Lunchtime session: Tuberculosis: latest advances and challenges in patient management**

A joint ERS/The Lancet session

Aims : to provide an overview of the latest treatments and cutting-edge research; to discuss current challenges in patient diagnostics and management; to discuss updated World Health Organization guideline recommendations for multidrug-resistant tuberculosis based on recent findings such as an individual patient data meta-analysis published in The Lancet (2018; 392: 821-34); to focus on both adult and paediatric cases.

Disease(s) : Paediatric respiratory diseases Respiratory infections

Method(s) : Cell and molecular biology Epidemiology General respiratory patient care Palliative care Public health Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Paediatrician, Adult pulmonologist/Clinician

Chairs : Graham H. Bothamley (London, United Kingdom), Emma Grainger (London, United Kingdom)

13:00	Management and treatment of multidrug-resistant tuberculosis Christoph Lange (Borstel, Germany)	3175
13:22	Challenges in the prevention, diagnosis, and treatment of tuberculosis in children Jennifer Furin (Strongsville, United States of America)	3176
13:44	Latest insights and challenges in tuberculosis vaccine development Helen Mcshane (Oxford (Oxfordshire), United Kingdom)	3177
14:07	Randomised controlled double blind dose-escalation infant trial of the live-attenuated Mycobacterium tuberculosis vaccine MTBVAC Michele Tameris (Cape Town, South Africa)	3178

N103 Session 315 13:00 - 14:15

Assembly members' meeting: Assembly 4: Sleep and breathing disorders; and clinical physiology

Chairs : Andrea Aliverti (Milan, Italy), Pierantonio Laveneziana (Paris, France)

N104 Session 316 13:00 - 14:15

Assembly members' meeting: Assembly 8: Thoracic surgery and transplantation

Chairs : Stefano Elia (Roma (RM), Italy), Federica Meloni (Pavia (PV), Italy)

6E Session 317 13:00 - 14:15

Assembly members' meeting: Assembly 7: Paediatrics

Chairs : Jonathan Grigg (London, United Kingdom), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

6B Session 318 13:00 - 14:15

Assembly members' meeting: Assembly 12: Interstitial lung diseases

Chairs : Venerino Poletti (Forli, Italy), Katerina Antoniou (Heraklion, Greece)

6C Session 319 13:00 - 14:15

Assembly members' meeting: Assembly 13: Pulmonary vascular diseases

Chairs : Marion Delcroix (Leuven, Belgium), Anton Vonk Noordegraaf (Amsterdam, Netherlands)

RETIRO Session 320 13:00 - 14:30

Patient forum: Patient Forum

Chairs : Kate Hill (Leeds (West Yorkshire), United Kingdom)

13:00	Welcome, session aims and introduction to panelists Rachel Orritt (Sheffield, United Kingdom), Speaker to be confirmed	3179
13:10	Global changes in attitude towards vaccination Marta Almagro (Barcelona, Spain), Isabel Saraiva (Cascais, Portugal), Speaker to be confirmed	3180
13:25	Vaccination for lung disease patients Marta Almagro (Barcelona, Spain), Isabel Saraiva (Cascais, Portugal), Speaker to be confirmed	3181
13:40	Vaccination for family members and friends Marta Almagro (Barcelona, Spain), Speaker to be confirmed	3182

13:50	Concerns and issues for people with chronic lung disease, their families and carers Marta Almagro (Barcelona, Spain), Isabel Saraiva (Cascais, Portugal), Speaker to be confirmed	3183
14:00	Open discussion with audience members Marta Almagro (Barcelona, Spain), Isabel Saraiva (Cascais, Portugal), Speaker to be confirmed	3184

No Room Session 14:30 - 17:00

Game Zone: GAME ZONE - SESSION 6

14:30	Bronchoscopy Molla Imaduddin Ahmed (Leicester (Leicestershire), United Kingdom)
14:30	Chest drain placement Jolanda C. Kuijvenhoven (Leeuwarden, Netherlands)
14:30	Cryobiopsy Julia N.S. d'Hooghe (Amsterdam, Netherlands)
14:30	Endobronchial valve placement Annika W.M. Goorsenberg (Amsterdam, Netherlands)
14:30	Inspiratory muscle training Pedro Rivas Cheliz (Madrid, Spain)
14:30	Rigid bronchoscopy Karan Madan (New Delhi (Delhi), India)
14:30	Spirometry Aleksandar Bokan (Sremska Kamenica, Republic of Serbia)
14:30	Thoracic ultrasound Speaker to be confirmed
14:30	Tracheal intubation Siva Yuvarajan (PONDICHERRY (Tamil Nadu), India)

8B Session 338 14:45 - 16:45

Symposium: State of the art session: Airway disease

Update on clinical studies

Aims : to highlight the latest developments in airway diseases; to provide new clinical evidence that can be used to help diagnose and treat patients with severe asthma and COPD; to analyse novel ways of defining the pathogenic mechanisms of disease and how this may lead to a new treatment approach for severe asthma and COPD; to describe the important role of comorbidities in patients with severe asthma and COPD as well as analysis of their effects on disease evolution; to discuss the early-life origin of airway diseases; to provide clear and practical take-home knowledge relating to the prevention, diagnosis, history and treatment of severe asthma and COPD.

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology Epidemiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, Paediatrician, Scientist (basic, translational), Trainee, Adult pulmonologist/Clinician

Chairs : Guy Brusselle (Ghent, Belgium), Antonio Spanevello (Milan, Italy)

14:45	ERS/TSANZ statement on care of patients with airways disease during pregnancy Peter Middleton (Sydney (NSW), Australia), Vibeke Backer (Copenhagen, Denmark)	3232
15:15	Early-life origin of airway diseases Alvar Agusti Garcia-Navarro (Barcelona, Spain)	3233
15:45	Comorbidities in severe asthma Florence Schleich (Liège, Belgium)	3234

16:15	Exacerbations of respiratory symptoms in COPD Leonardo Michele Fabbri (Modena, Italy)	3235
16:45	What is the role of oral corticosteroids in the era of biologics in asthma? Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom)	3236

7A Session 339 14:45 - 16:45

Symposium: The best of the European Respiratory Journal in 2019

Aims : to present the best publications in the European Respiratory Journal (ERJ) in the fields of COPD, pulmonary hypertension, lung research, air pollution and basic/translational sciences. The respective section editors of the ERJ will choose the best papers published between late 2018 and July 2019 (in their expert opinion) and critically acclaim them.

Disease(s) : Airway diseases Pulmonary vascular diseases

Method(s) : Cell and molecular biology Epidemiology General respiratory patient care Imaging Physiology

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Physiologist, Radiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Martin Kolb (Hamilton (ON), Canada), James D. Chalmers (Dundee (Angus), United Kingdom)

14:45	The best ERJ papers in COPD Donald Sin (Vancouver (BC), Canada)	3237
15:15	The best ERJ papers in translational sciences Pieter S. Hiemstra (Leiden, Netherlands)	3238
15:45	The best ERJ papers in environment, pollution and lung research Isabella Annesi Maesano (Paris, France)	3239
16:15	The best ERJ papers in pulmonary vascular diseases Marc Humbert (Paris, France)	3240

9E Session 340 14:45 - 16:45

Guidelines session: New guidelines for treatment of nontuberculous mycobacterial pulmonary disease

ATS/ESCMID/ERS/IDSA clinical practice guideline

Aims : to present the new clinical practice guidelines for the treatment of nontuberculous mycobacterial pulmonary disease.

Method(s) : Epidemiology General respiratory patient care Imaging Palliative care Physiology Public health Pulmonary function testing Pulmonary rehabilitation Surgery

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Nurse, Paediatrician, Patient, Pathologist, Physiologist, Physiotherapist, Policy maker, Adult pulmonologist/Clinician, Radiologist, Scientist (basic, translational), Student, Thoracic surgeon, Trainee

Chairs : Miguel Santin (L'Hospitalet de Llobregat, Spain), Claire Andrejak (Amiens, France), Mateja Jankovic Makek (Zagreb, Croatia)

14:45	When is an infectious disease? The clinical spectrum of nontuberculous mycobacterial pulmonary disease Christoph Lange (Borstel, Germany)	3241
15:15	Advances in the diagnosis of mycobacteria infections and challenges of drug susceptibility testing Jakko van Ingen (Nijmegen, Netherlands)	3242
15:45	Treatment of nontuberculous mycobacterial pulmonary diseases (slow-growing organisms): an interactive session Charles Daley (Denver, United States of America)	3243
16:15	Treatment of nontuberculous mycobacterial pulmonary diseases (fast-growing organisms): an interactive session Kevin Winthrop (Portland, United States of America)	3244

9A Session 341 14:45 - 16:45

Symposium: Molecular profiling and personalised treatment concepts in advanced non-small cell lung cancer: pertinent clinical dilemmas

Aims : to describe problems relating to the fact that basic and clinical research improves molecular profiling and personalised treatment concepts in non-small cell lung cancer (NSCLC) at a rapid pace that is hard to keep up with in routine care; to discuss possible solutions

Disease(s) : Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology Imaging Pulmonary function testing

Tag(s) : Translational

Target audience : Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Physiotherapist, Radiologist, Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Jacques Cadranel (Paris Cedex 20, France), Marcin Skrzypski (Sopot, Poland)

14:45	Re-biopsy or liquid biopsy for molecular diagnosis of resistance mutations in the era of third-generation targeted therapies Sam Janes (London, United Kingdom)	3245
15:15	Concomitant versus sequential third-generation targeted therapies in advanced epidermal growth factor receptor- or anaplastic lymphoma kinase-positive NSCLC Jacques Cadranel (Paris Cedex 20, France)	3246
15:45	Next-generation sequencing and assessment of tumour mutational burden: are these tools ready for clinical routine use? Lizza E.L. Hendriks (Maastricht, Netherlands)	3247
16:15	Monoimmunotherapy for a happy few or combination immunotherapy for all: when to stop and how to proceed Rudolf M. Huber (Munich, Germany)	3248

9C Session 342 14:45 - 16:45

Symposium: Obesity: pathophysiology, diagnostic challenges and multidisciplinary treatment

Aims : to enhance understanding of the impact of obesity on whole-body systems and functions; to enhance understanding of the pathophysiology of ventilatory failure in obesity and to describe various therapeutic approaches in obesity including ventilation and non-positive airway pressure therapies.

Disease(s) : Respiratory critical care Sleep and breathing disorders

Method(s) : General respiratory patient care Pulmonary rehabilitation Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Nurse, Physiologist, Physiotherapist, Trainee, Adult pulmonologist/Clinician

Chairs : Johan Verbraecken (Edegem (Antwerp), Belgium), Winfried J. Randerath (Solingen, Germany)

14:45	Systemic inflammation and endocrinologic/metabolic implications of obesity Anne-Laure Borel (Grenoble, France)	3249
15:15	Exercise testing in obesity and sleep apnoea J. Alberto Neder (Kingston (ON), Canada)	3250
15:45	Normocapnia in obstructive sleep apnoea versus hypoventilation in obesity: respiratory drive makes the difference Amanda Piper (Camperdown (NSW), Australia)	3251
16:15	Positive airway pressure, non-invasive ventilation, exercise and surgery: which treatment for which phenotype? Nicholas Hart (London, United Kingdom)	3252

9D Session 343 14:45 - 16:45

Symposium: Lungs in the fog Dealing uncertainties in interstitial lung diseases

Aims : to address real-life common challenges encountered when diagnosing interstitial lung diseases (ILDs) with an unclear aetiology.

Disease(s) : Interstitial lung diseases

Method(s) : General respiratory patient care Imaging

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Pathologist, Radiologist

Chairs : Joanna Porter (London, United Kingdom), Venerino Poletti (Forli, Italy)

14:45	Dealing with uncertainty: non-diagnostic biopsies and unclassifiable ILDs Karen Patterson (Falmer, United Kingdom)	3253
15:15	When is ILD occupational or due to a hobby? Mary Strek (Chicago, United States of America)	3254
15:45	Distinguishing fibrotic hypersensitivity pneumonitis from idiopathic pulmonary fibrosis Vincent Cottin (Lyon, France)	3255
16:15	Pulmonary hypertension in ILDs: novel therapeutic data Katerina Antoniou (Heraklion, Greece)	3256

8C Session 344 14:45 - 16:45

Year in review: Therapeutic breakthrough Year in review

Key developments to improve outcomes for adults and children with respiratory disorders

Aims : to highlight the key developments that are likely to influence care and improve outcomes for adults and children with respiratory diseases.

Disease(s) : Airway diseases Paediatric respiratory diseases Respiratory infections

Method(s) : Cell and molecular biology General respiratory patient care Physiology Public health Pulmonary rehabilitation

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Paediatrician, Pathologist, Patient, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Trainee, Adult pulmonologist/Clinician

Chairs : Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Ioannis Vogiatzis (Newcastle upon tyne (Tyne and Wear), United Kingdom)

14:45	Triple therapy versus dual bronchodilation and long-acting -agonists/inhaled corticosteroids in COPD: accumulating evidence from network meta-analyses Mario Cazzola (Roma (RM), Italy)	3257
15:15	Azithromycin for early pseudomonas infection in cystic fibrosis: the OPTIMIZE randomised trial Keith Grimwood (Gold Coast (QLD), Australia)	3258
15:45	Long-term efficacy and effectiveness of a behavioural and community-based exercise intervention (Urban Training) to increase physical activity in patients with COPD: a randomised controlled trial Elena Gimeno-Santos (Barcelona, Spain)	3259
16:15	Extracorporeal assistance as bridge and as support during transplantation Paul A. Corris (Newcastle-upon-Tyne, United Kingdom)	3260

9F Session 345 14:45 - 16:45

Lungs on Fire: Paediatric respiratory diseases

Aims : to explore the real-life challenging clinical cases in the innovative interactive session; to present the cases that have various levels of difficulty and often necessitate a differential diagnosis. This session is led by a discussant that will present the cases to a panel of experts and the audience. The discussant will encourage discussion among the panel of experts, who have never seen the cases, and additionally invite the audience in the reflexion and discussion of the cases presented to explore the various diagnostic and therapeutic options.

Disease(s) : Paediatric respiratory diseases

Tag(s) : Clinical

Target audience : Paediatrician, General practitioner, Allergist, Critical/Intensive care physician, Lung function technologist, Clinical researcher, Physiotherapist, Physiologist, Nurse, Trainee, Thoracic oncologist, Thoracic surgeon, Radiologist

Chairs : Andrew Bush (London, United Kingdom), Monika Gappa (Düsseldorf, Germany), Felix Ratjen (Toronto (ON), Canada), Liesbeth Duijts (Rotterdam, Netherlands)

Discussants : Jürg Hammer (Basel, Switzerland)

Case 1 - Author: George Fereos (United Kingdom)	3262
Case 2 - Author: Svetlana Ilchenko (Ukraine)	3263
Case 3 - Author: Catriona Middleton (United Kingdom)	3264
Case 4 - Author: Louise Selby (United Kingdom)	3265

Case 5 - Author: Nagendra Chaudhary (Nepal) 3266

Case 6 - Author: Lore van Bruwaene (South Africa) 3267

14:45 Introduction and presentation by the session facilitator 3261
Jürg Hammer (Basel, Switzerland)

8A Session 346 14:45 - 16:45

Symposium: From 2D to 3D models of human lung disease: novel developments to rebuild the lung

Aims : to demonstrate how lung research findings obtained using experimental models can be translated into clinical applications; to explain cutting-edge technologies to model the human lung in vitro; and to describe novel developments in how to rebuild the lung using stem cells.

Disease(s) : Airway diseases Interstitial lung diseases Paediatric respiratory diseases

Method(s) : Cell and molecular biology

Tag(s) : Translational

Target audience : Clinical researcher, Pathologist, Policy maker, Scientist (basic, translational), Student, Thoracic oncologist, Trainee

Chairs : Sara Rolandsson Enes (Burlington, United States of America), Reinoud Gosens (Groningen, Netherlands)

14:45 Bioengineered models of human lung disease 3268
Chelsea Magin (Aurora, United States of America)

15:15 3D models of human lung development and disease using pluripotent stem cells 3269
Hans-Willem Snoeck (New York, United States of America)

15:45 Lung stem cells and the role of the stem cell niche 3270
Saverio Bellusci (Giessen, Germany)

16:15 The role of scaffolds in lung tissue regeneration 3271
Darcy Wagner (Lund, Sweden)

9B Session 347 14:45 - 16:45

Oral presentation: Challenging issues in the clinical aspects of sleep-disordered breathing

Disease(s) : Sleep and breathing disorders

Method(s) : General respiratory patient care Epidemiology Physiology

Chairs : Silke Ryan (Dublin 14, Ireland), Sophia E. Schiza (Heraklion, Greece)

OA3272 Late Breaking Abstract - Efficacy and tolerability of a custom-made mandibular repositioning device (MRD) for the treatment of obstructive sleep apnea (OSA): ORCADES study 5-year follow-up data
Marie-Françoise Vecchierini (Paris, France), Valérie Attali, Jean-Marc Collet, Marie-Pia D'Ortho, Frédéric Goutorbe, Jean-Baptiste Kerbrat, Hauria Khemliche, Florent Lavergne, Lionel Lerousseau, Damien Leger, Christelle Monaca, Pierre-Jean Monteyrol, Eric Mullens, Bernard Pigearias, Jean-Claude Meurice

OA3273 Obstructive sleep apnoea severity and endothelial dysfunction: a meta-analysis of individual patient data.
Vanessa Bironneau (Angers, France), Renaud Tamisier, Wojciech Trzepizur, Ramarosan Andriantsitohania, Mathieu Berger, François Goupil, Marie Joyeux-Faure, Ingrid Jullian-Desayes, Sandrine Launois, Marc Le Vaillant, Marie-Carmen Martinez, Frédéric Roche, Jean-Louis Pépin, Frédéric Gagnadoux

OA3274 Hyperlipidemia Prevalence and Cholesterol Control in OSA: Data from European Sleep Apnea Database (ESADA)
Ludger Grote (Göteborg, Sweden), Canan Gunduz, Ozen K. Basoglu, Jan Hedner, Maria R. Bonsignore, Holger Hein, Richard Staats, Izoldi Bouloukaki, Gabriel Roisman, Athanasia Pataka, Pavel Sliwinski, Ondrej Ludka, Jean Louis Pepin

OA3275 Risk factors for the development of malignant arrhythmias in patients with obstructive sleep apnea and systolic ventricular dysfunction
Ester Zamarron De Lucas (Madrid, Spain), Raquel Casitas Mateo, Rafael Peinado Peinado, Ana Jaureguizar Oriol, Pablo Mariscal Aguilar, Francisco García Río

OA3276 Sleep disordered breathing during REM sleep is associated with cognitive impairment a decade later.
Patrick Strollo (Pittsburgh, United States of America), Oladipupo Olafiranye, Karen Matthews, Martica Hall, Daniel Buysse, Oscar Lopez, Steven Reis

Obstructive sleep apnea and objective sleep quality in non-dialyzed patients with chronic kidney disease: an ESADA study

OA3277 Oreste Marrone (Palermo (PA), Italy), Fabio Cibella, Viliam Donic, Gabriel Roisman, Pawel Sliwinski, Ozen K Basoglu, Sophia Schiza, Izolthi Bouloukaki, Athanasia Pataka, Richard Staats, Johan Verbraecken, Ludger Grote, Jan Hedner, Maria R Bonsignore

Estimation of Respiratory Signals using Tracheal Sound and Movement

OA3278 Nasim Montazeri Ghahjaverestan (Toronto (ON), Canada), Muammar Kabir, Kaiyin Zhu, Shumit Saha, Bojan Gavrilovic, Babak Taati, Hisham Alshaer, Azadeh Yadollahi

Clusters of sleep apnea phenotypes: A European perspective from the ESADA database

OA3279 Sébastien Bailly (Grenoble, France), Ludger Grote, Jan Hedner, Sophia E. Schiza, Walter T. McNicholas, Ozen K. Basoglu, Carolina Lombardi, Zoran Dogas, Gabriel Roisman, Marisa Bonsignore, Jean-Louis Pépin

6F

Session 348

14:45 - 16:45

Oral presentation: Occupational lung diseases: from diagnostic techniques to classical and novel causes

Disease(s) : **Airway diseases** **Interstitial lung diseases**

Method(s) : Epidemiology Public health Pulmonary function testing General respiratory patient care Imaging

Chairs : David Fishwick (Sheffield (South Yorkshire), United Kingdom), Rafael E. de la Hoz (New York, United States of America)

Why are specific inhalation challenges (SIC) negative in workers with suspected occupational asthma?

OA3280 Vicky Moore (Birmingham (West Midlands), United Kingdom), Annasiwatte Niranjala, Gareth Walters, Alastair Robertson, Sherwood Burge

Does the measurement of exhaled nitric oxide before and after specific inhalation challenges improve the diagnosis of occupational asthma?

OA3281 Vera van Kampen (Bochum, Germany), Julia Engel, Olaf Hagemeyer, Thomas Brüning, Monika Raulf, Rolf Merget

Occupational use of high-level disinfectants and asthma incidence in early to mid-career nurses: a prospective cohort study

OA3282 Orianne Dumas (Villejuif, France), Audrey J Gaskins, Krislyn M Boggs, Scott A Henn, Nicole Le Moual, Raphaëlle Varraso, Jorge E Chavarro, Carlos A Camargo Jr

Occupational exposures to solvents and asthma in the Constances cohort

OA3283 Guillaume Sit (Villejuif, France), Noémie Letellier, Yuriko Iwatsubo, Marcel Goldberg, Bénédicte Leynaert, Rachel Nadif, Céline Ribet, Nicolas Roche, Yves Roquelaure, Raphaëlle Varraso, Marie Zins, Alexis Descatha, Nicole Le Moual, Orianne Dumas

Silicosis in female and male south African gold miners

OA3284 Jill Murray (Johannesburg, South Africa), Ntombizodwa Ndlovu, Naseema Vorajee, Guy Richards

Obstructive airflow limitation in tunnel workers exposed to crystalline silica

OA3285 Mimmi Leite (Oslo, Norway), Mariann Ulvestad, Karl-Christian Nordby, Nils Petter Skaugset, May Brit Lund, Dag Gunnar Ellingsen, Bente Ulvestad

Longitudinal analysis of chronic occupational exposure in insulators

OA3286 Paige Lacy (Edmonton, Canada), Samineh Kamravaei, Kawtar Idrissi Machichi, Noushin Miandashti, Jennifer Spring, Linda Henderson, Fadi Khadour, Lyle Melenka, Muhammad Naseem

N103

Session 349

14:45 - 16:45

Oral presentation: Asthma and COPD comorbidities

Disease(s) : **Sleep and breathing disorders** **Airway diseases** **Thoracic oncology**

Method(s) : General respiratory patient care Pulmonary function testing Cell and molecular biology Epidemiology

Chairs : Stylianos Loukides (Athens, Greece), Péter Horváth (Budapest, Hungary)

Late Breaking Abstract - Mannitol and citric acid tests similarly identify subjects with chronic cough

OA3287 John Brannan (Newcastle (NSW), Australia), Hanna Nurmi, Anne Lähti, Heikki Koskela

COPD and lung cancer incidence in never smokers

OA3288 Hye Yun Park (Seoul, Republic of Korea), Sun Hye Shin, Danbee Kang, Kwang Ha Yoo, Chin Kook Rhee, Seong Yong Lim, Gee Young Suh, Hojoong Kim, Juhee Cho, O Jung Kwon

Impact of chronic obstructive pulmonary disease on the recurrence and second tumors of lung cancer after surgical resection

OA3289 Ainhoa Izquierdo Perez (, Spain), Marwan Mohamed Choukri, Juan Manuel Corral Cano, Pablo López Yeste, Francisco José Laso Del Hierro, Sara Isabel Vicente Antunes, José Julio Zapatero Garivia, Ignacio Muguruza Trueba, Felipe Villar Álvarez

Assessing the impact of COPD on sleep quality with the CASIS questionnaire

OA3290 Mikel Sarasate Azkona (Barcelona, Spain), Alexa Nuñez, Cristina Esquinas, Miriam Barrecheguren, Eduardo Loeb, Jose Luis Izquierdo, Pilar De Lucas, Maite Perez, Marc Miravittles

Endothelial dysfunction in Chronic Obstructive Pulmonary Disease patients according to exposure by tobacco or biomass

OA3291 María Fernanda Salgado Fernández (México City, Mexico), Roberto Davila Ramos , Yuridia Pilotzi Montiel , Dulce Gonzales Islas , Arturo Orea Tejeda , María Fernanda Salgado Fernández, Angelia Jimenez Valentín , Aimmé Flores Vargas , Roció Nayeli Sánchez Santillán, Raul Martínez Memije, Silvia Cid Juárez, Oscar Infante Vazquez

Effect of vitamin D levels on asthma control in adults

OA3292 Tuba Çiftçi (Kocaeli, Turkey), Serap Argun Barış, İlknur Başyigit, Haşim Boyacı, Ahmet Ilgazlı, Füsün Yıldız

Resorptive-destructive processes of bone tissue in COPD patients

OA3293 Mykola Gumeniuk (Kyiv, Ukraine), Galina Gumeniuk, Victoria Ignatieva, Mykola Linnik, Svitlana Opimakh

The association among severity of sarcopenia, salivation and salivary oxidative stress marker in stable COPD

OA3294 Takahiro Nakajima (Ichikawa, Japan), Eri Iwami, Aoi Kuroda, Tatsu Matsuzaki, Takeshi Terashima, Yuriko Nakamura, Takeo Shibui, Takeshi Nomura

N104

Session 350

14:45 - 16:45

Oral presentation: Acute respiratory distress syndrome: developments in diagnostics and outcomes

Disease(s) : Respiratory critical care Airway diseases

Method(s) : Respiratory intensive care Epidemiology Imaging Pulmonary rehabilitation

Chairs : Lígia Helena Pires Vicente (Portimão, Portugal), Lieuwe Bos (Amsterdam, Netherlands)

Comparison of complications in tracheostomy in patients with acute respiratory failure on and after venovenous ECMO: a 10-year analysis

OA3295 Christoph Fisser (Regensburg, Germany), Andreas Lüdtke, Matthias Lubnow, Alois Phillip, Maik Foltan, Dirk Lunz, Thomas Müller

Association of the Estimated Dead Space Fraction and the Ventilatory Ratio with Mortality in Patients with Acute Respiratory Distress Syndrome

OA3296 Lieuwe Bos (Amsterdam, Netherlands), Luis Fernando Morales Quinteros, Antonio Artigas, Marta Camprubí-Rimblas, Josep Bringué-Roque, Marcus J Schultz, Olaf Cremer, Janneke Horn

Thirty-Day Readmission Among Patients With Acute Respiratory Distress Syndrome and Effects on Outcomes.

OA3297 Kam S Ho (New York, United States of America), Jacqueline Sheehan, James Salonia

The recent index, timed inspiratory effort can be a new tool to guide the weaning ventilation and extubation successful

OA3298 Leonardo Souza (Rio De Janeiro (RJ), Brazil), Marcos David Godoy, Raphaela Cordeiro, Jocemir Lugon

The radiographic assessment of lung edema (RALE) score has excellent diagnostic accuracy for ARDS

OA3299 Claudio Zimatore (Bari, Italy), Luigi Pisani, Valeria Lippolis, Carolyn S Calfee, Lorraine B Ware, Anna Geke Algera, Marry R Smit, Salvatore Grasso, Marcus J Schultz

Agreement between Lung Ultrasound and Chest X-ray Scoring in Invasively Ventilated ICU Patients

OA3300 Luigi Pisani (Amsterdam, Netherlands), Claudio Zimatore, Veronica Vercesi, Marry Smit, Valeria Lippolis, Salvatore Grasso, Marcus Schultz

Trans-esophageal and dynamic transpulmonary pressure in patients with de novo respiratory failure undergoing NIV

OA3301 Roberto Tonelli (Castelvetro di Modena (MO), Italy), Alessandro Marchioni, Ivana Castaniere, Riccardo Fantini, Luca Tabbì, Elisa Bassoli, Enrico Clini

6E

Session 351

14:45 - 16:45

Oral presentation: Pneumonia in 2019: antimicrobial resistance, cardiovascular complications and diagnosis

Disease(s) : Respiratory critical care**Method(s) :** General respiratory patient care Epidemiology Respiratory intensive care**Chairs :** Martin Kolditz (Dresden, Germany), Nathan Dean (Murray, United States of America)

- OA3302** **Late Breaking Abstract - Sputum galactomannan and lateral-flow device tests for the diagnosis of invasive pulmonary aspergillosis in patients with underlying respiratory diseases**
Juan-Juan Fu (Chengdu (Sichuan), China), Wei Xiao, Long-Yi Du, Lin-Li Cai, Ti-Wei Miao, Bing Mao
-
- OA3303** **MRSA specific scores promote overuse of anti-MRSA antibiotics**
Marcos I. Restrepo (San Antonio, United States of America), Noemi Borsa, Manuela Carugati, Nilam Soni, Alejandro Rodriguez, Francesco Blasi, Stefano Aliberti, Glimp Investigators
-
- OA3304** **Risk factors for MDR pneumonia according to the 2017 International ERS/ESICM/ESCMID/ALAT guidelines**
Cristina Dominedò (Rome, Italy), Adrian Ceccato, Michael Niederman, Albert Gabarrús, Catia Cillóniz, Ignacio Martin-Loeches, Miquel Ferrer, Massimo Antonelli, Antoni Torres
-
- OA3305** **PES SCORE VALIDATION IN A MULTICENTER COHORT OF PATIENTS WITH COMMUNITY-ACQUIRED PNEUMONIA**
Adrian Ceccato (Ituzaingo (Prov. De Buenos Aires), Argentina), Raul Mendez, Maria-Carmen De La Torre, Albert Gabarrus, Elena Prina, Otavio Ranzani, Cristina Dominedò, Miquel Ferrer, Santiago Ewig, Jordi Almirall, Rosario Menendez, Antoni Torres
-
- OA3306** **Bacteremic pneumococcal pneumonia is associated with an increased rate of cardiovascular events**
Noemi Borsa (Milano (MI), Italy), Luis A. Ruiz Iturriaga, Leyre Serrano Fernandez, Pedro P. España, Stefano Aliberti, Julio A. Ramirez, Oriol Sibila Vidal, Ana M. Rodrigo Troyano, Alejandro H. Rodriguez, Francisco Sanz, Yuichiro Shindo, Ignacio Martin-Loeches, Carlos M. Luna, Daiana Stolz, Diego Viasus, Jordi Carratala, Antonio R. Anzueto, Marcos I. Restrepo
-
- OA3307** **New Onset Atrial Fibrillation in Patients Hospitalized with Pneumonia**
Eric Mortensen (Simsbury, United States of America), Mark Metersky, Nkiruka Atuegwu, Antonio Anzueto
-
- OA3308** **The role of N-terminal pro B-type natriuretic peptide in predicting mortality of community acquired pneumonia**
Hyewon Seo (Daegu, Republic of Korea), Ji-Eun Park, Sunji Park, Seung-Ick Cha
-
- OA3309** **Real-time electronic interpretation of digital chest images using artificial intelligence in emergency department patients suspected of pneumonia**
Nathan Dean (Murray, United States of America), Jeremy A. Irvin, Pranav S. Samir, Al Jephson, Karen Conner, Mathew P. Lungren

N101+102**Session 352****14:45 - 16:45****Oral presentation: From the health effects of tobacco to the epidemiology of tobacco/electronic nicotine delivery system use****Disease(s) :** Airway diseases**Method(s) :** Pulmonary function testing Public health General respiratory patient care Epidemiology Imaging**Chairs :** Sofia Belo Ravara (Covilhã, Portugal), Elif Dagli (Istanbul, Turkey)

- OA3310** **Relationship between markers of systemic inflammation and microstructural brain damage in COPD.**
Mohani-Preet Kaur Bajaj (London, United Kingdom), Sachelle Ruickbie, Daniel Burrage, Catherine Spilling, Paul Jones, Emma Baker, Thomas Barrick
-
- OA3311** **Acute effects of a heat-not-burn tobacco product on pulmonary function of healthy non smokers.**
Athanasia Pataka (Thessaloniki, Greece), Seraphim Kotoulas, Emiliza Stefanidou, Evangelia Panagiotidou, Evangelos Chatzopoulos, Vasilios Mpikos, Katalin Fekete, Paraskevi Argyropoulou
-
- OA3312** **Trends in smoking initiation in Australia over 70 years**
Gulser Caliskan (Verona, Italy), Giancarlo Pesce, Michael Abramson, Dinh Bui, Alan L James, Deborah Jarvis, Matthew W Knuiman, Cosetta Minelli, Arthur W Musk, Simone Accordini, Shyamali C Dharmage, Alessandro Marcon
-
- OA3313** **E-cigarette use is most common in persistent smokers in a Swedish prospective population study**
Linnea Hedman (Luleå, Sweden), Helena Backman, Caroline Stridsman, Anne Lindberg, Bo Lundbäck, Eva Rönmark
-
- OA3314** **Attitude towards cigarette or e-cigarette use and the smoking initiation year among young European adults**
Grzegorz Brożek (Katowice, Poland), Jankowski Mateusz, Jan Žejda, Andrei Shpakou, Michał Poznański, Tadeusz Zielonka, Ludmila Klimatckaia, Yelena Loginovic, Marta Rachel, Justina Gereová, Łukasz Minarowski, Paulina Majek, Joshua Lawson

OA3315 Smoking status and its impact on COPD: an analysis of the observational DACCORD study
Carl-Peter Criece (Bovenden, Germany), Claus F. Vogelmeier, Roland Buhl, Victoria Obermoser, Korbinian Berschneider, Peter Kardos, Heinrich Worth

OA3316 Predictors of E-Cigarette Use: Smoking and Self-Identified Depression and/or Anxiety
Lynda Goodfellow (Atlanta, United States of America), Mohammed Alqahtani

6A Session 353 14:45 - 16:45

Poster discussion: COPD: epidemiology and spirometry

Disease(s) : **Airway diseases**

Method(s) : Epidemiology Public health Pulmonary function testing General respiratory patient care Palliative care Cell and molecular biology

Chairs : Lies Lahousse (Ghent, Belgium), Om Prakash Kurmi (Birmingham (West Midlands), United Kingdom)

PA3317 Late Breaking Abstract - A New study of the Prevalence of COPD in Spain: EPISCAN II
Joan B Soriano (Madrid, Spain), Inmaculada Alfageme, Marc Miravittles, Pilar De Lucas, Juan José Soler-Cataluña, Francisco García-Río, Ciro Casanova, José Miguel Rodríguez González-Moro, Borja G Cosío, Guadalupe Sánchez, Julio Ancochea

PA3318 Late Breaking Abstract - Ten-year risk score for COPD: the NHLBI pooled cohorts study
Surya Bhatt (Birmingham, United States of America), Pallavi Balte, Joseph Schwartz, Patricia Cassano, Paulo Chaves, David Couper, David Jacobs, Ravi Kalhan, Robert Kaplan, Donald Lloyd-Jones, Stephanie London, Anne Newman, George O'Connor, Jason Sanders, Benjamin Smith, Jason Umans, Wendy White, Sachin Yende, Elizabeth Oelsner

PA3319 Epidemiology of chronic obstructive pulmonary disease in Brazil: a systematic review and meta-analysis
Marina Cruz (Barreiras, Bahia, Brazil), Marcos Santos

PA3320 Chronic airflow limitation and respiratory symptoms among smokers and never smokers
Kjell O. Toren (Göteborg, Sweden), Linus Schiöler, Anne Lindberg, Anders Andersson, Annelie Behndig, Göran Bergström, Anders Blomberg, Kenneth Caidahl, Jan Engvall, Maria Eriksson, Viktor Hamrefors, Christer Janson, Åse Johnsson, Eva Lindberg, Anders Lindén, Andrei Malinovsky, Lennart Persson, Hanan Tanash, Jenny Vikgren, Carl-Johan Östgren, Per Wollmer, Martin Sandelin, Jonas Ström, Magnus Sköld

PA3321 Mortality by cause of death and spirometric pattern in a population-based study
Anne Lindberg (Boden, Sweden), Sami Sawalha, Helena Backman, Ulf Nilsson, Linnea Hedman, Nikolai Stenfors, Eva Rönmark, Bo Lundbäck

PA3322 Risk charts of five-year mortality in COPD patients
Andreas Horner (Kirchschlag bei Linz, Austria), Pere Almagro, Joan B Soriano, Bernhard Kaiser, Pablo Martinez-Cambolor, David Lang, Inmaculada Alfageme, Casanova Ciro, Cristóbal Esteban, Juan José Soler-Cataluña, Juan Pablo De-Torres, Marc Miravittles, Bartolome R Celli, José M Marin, Milo A Puhán, Patricia Sobradillo, Peter Lange, Judith Garcia-Aymerich, Alice M Turner, Meilan K Han, Arnulf Langhammer, Per Bakke, Ane Johannessen, Toru Oga, Borja G Cosío, Julio Ancochea-Bermúdez, Andrés L Echazarreta, Nicolas Roche, Pierre-Régis Burgel, Don D Sin, Ana Sofía Ramírez, Michael Studnicka, Maria Flamm, Bernd Lamprecht

PA3323 Association between airflow limitation severity and reduced bone density in Japanese males
Hisamitsu Omori (Kumamoto, Japan), Ayumi Onoue, Kenichi Kubota, Toshinari Hayashi, Tohru Tsuda, Hisamitsu Omori

PA3325 Does 7-day working improve outcomes for COPD?
Philip Stone (London, United Kingdom), Robert Stone, Viktoria Mcmillan, Kajal Mortier, John Hurst, C Michael Roberts, Jennifer Quint

PA3326 Does the COPD Best Practice Tariff improve patient outcomes?
Philip Stone (London, United Kingdom), Robert Stone, Viktoria Mcmillan, Kajal Mortier, John Hurst, C Michael Roberts, Jennifer Quint

PA3327 Prevalence of chronic cough, patient characteristics and health outcomes among UK adults
Lorcan McGarvey (Belfast, United Kingdom), Alyn Morice, Nate Way, Vicky Li, Jessica Weaver, Ishita Doshi, Eduardo Urdaneta, Robert Boggs

PA3328 Prognosis of COPD according to exacerbation history: a population-based cohort study
Shoaib Afzal (Herlev, Denmark), Yunus Çolak, Jacob L. Marott, Børge G. Nordestgaard, Jørgen Vestbo, Truls S. Ingebrigtsen, Peter Lange

PA3329 The degree of influence of environmental factors on respiratory diseases morbidity in the Far East of Russia
Victor P. Kolosov (Blagoveshchensk (Amur Oblast), Russian Federation), Leonid G. Manakov, Elena V. Polyanskaya, Svetlana V. Naryshkina, Tatyana V. Zabolotskikh

- PA3330** **Difference in Dyspnea between Swedish and Finnish Speaking Persons in Western Finland: Association with Lifestyle**
Heidi Andersén (Vaasa, Finland), Pinja Ilmarinen, Leena Tuomisto, Päivi Piirilä, Anssi Sovijärvi, Helena Backman, Bo Lundbäck, Eva Rönmark, Lauri Lehtimäki, Hannu Kankaanranta
- PA3331** **Variation in “normal values” of forced vital capacity (FVC) and ratio of one-second Forced Expiratory Volume (FEV1)/FVC between 42 Burden of Obstructive Lung Disease (BOLD) sites.**
Peter Burney (London, United Kingdom), Jaymini Patel
- PA3332** **Epidemiological burden of moderate-to-very severe COPD: a systematic literature review**
Enrico de Nigris (Cambridge, United Kingdom), Neha Sharma, Barinder Singh, Mohd Kashif Siddiqui, Ulf Holmgren, Claudia Cabrera, Sofie Arnetorp
- PA3333** **Oxygen Saturation recovery after six-minute walk test and body composition in COPD and HF subjects.**
María Fernanda Salgado Fernández (México City, Mexico), Yuridia Pilotzi Montiel, Susana Galicia Amor, Arturo Orea Tejada, Dulce Gonzales Islas, Roberto Davila Ramos, Roció Nayeli Sánchez Santillán, Rafael Hernández C., María Fernanda Salgado Fernández, Angelia Jimenez Valentín, Leslie Verdeja-Vendrell
- PA3334** **Antibiotics prescriptions increased medical costs for COPD exacerbations.**
Hye Sook Choi (Gyeongju, Republic of Korea), Kwang Ha Yoo, Yee Hyung Kim, Chun Woong Choi

6B

Session 354

14:45 - 16:45

Poster discussion: Understanding the mechanisms underlying airway diseases**Disease(s) :** [Airway diseases](#)**Method(s) :** Cell and molecular biology Pulmonary function testing Endoscopy and interventional pulmonology General respiratory patient care Surgery Epidemiology Physiology**Chairs :** Apostolos Bossios (Stockholm, Sweden), Hannu Kankaanranta (Seinäjoki, Finland)

- PA3336** **Mechanism of periostin production in bronchial smooth muscle cells**
Kosuke Makita (Tokyo, Japan), Yu Mikami, Hirotaka Matsuzaki, Kensuke Fukuda, Yasuhiro Yamauchi, Takahide Nagase
- PA3337** **Asthmatic airway epithelial cells subjected to apical mechanical stress exhibit suppressed interferon release following viral infection**
Punnam Chander Veerati (Cardiff, NSW, Australia), Andrew Reid, Kristy Nichol, Peter Wark, Nathan Bartlett, Darryl Knight, Christopher Grainge
- PA3338** **IL-33/sST2 balance regulates neutrophilic inflammation in the human airways.**
Masato Watanabe (Tokyo, Japan), Keitaro Nakamoto, Toshiya Inui, Mitsuru Sada, Miku Oda, Kojiro Honda, Masaki Tamura, Haruyuki Ishii, Hajime Takizawa
- PA3339** **Investigation of alarmins, interleukin (IL)-23 and IL-36 sputum levels in chronic airway obstructive diseases.**
Catherine Moermans (Liège, Belgium), Kira Damas, Julien Guiot, Florence Schleich, Jean-Louis Corhay, Monique Henket, Renaud Louis
- PA3340** **Intracellular mechanisms of Th17/Treg differentiation in mild and moderate COPD patients**
Juliana Dias Lourenço (São Paulo, Brazil), Larissa Emidio De França Silva, Isabella Santos De Genaro, Juliana Tiyaki Ito, Anna Julia Pietrobon, Maria Notomi Sato, Jefferson Luiz Gross, Elnara Marcia Negri, Denise Frediani Barbeiro, Walcy Paganelli Rosolia Teodoro, Jurandir Tomaz De Miranda, Beatriz Manguera Saraiva-Romanholo, Rodolfo De Paula Vieira, Fernanda Degobbi Tenorio Quirino Dos Santos Lopes
- PA3341** **Citrullinated histone H3 is increased in blood of asthma subjects**
Pawel Kuczia (Krakow, Poland), Joanna Żuk, Teresa Iwaniec, Jacek Zarychta, Jerzy Soja, Stanisława Bazan-Socha
- PA3342** **Increased activity of lipoprotein-associated phospholipase A2 in non-severe asthma**
Pawel Kuczia (Krakow, Poland), Lucyna Mastalerz, Daniel P. Potaczek, Agnieszka Cybulska, Lech Zareba, Stanisława Bazan-Socha, Anetta Undas
- PA3343** **Insulin resistance exacerbates lung inflammation in obese patients via PI3K/Akt signaling pathway**
Yong Qi (Zhengzhou, China), Yong Qi, Minghong Xie, Li Wei, Guangjie Hou
- PA3344** **Features of adipokine regulation at young patients with bronchial asthma with different phenotypes of obesity**
Irina Soloveva (Krasnoyarsk (Krasnoyarsk), Russian Federation), Irina Demko, Elena Sobko, Angelina Kraposhina, Nataliya Gordeeva, Marina Mamaeva, Svetlana Chubarova
- PA3345** **IL-5/IL-13 drive NLRP3 inflammasome-mediated, steroid-resistant AHR in a model of obesity-associated asthma**
James Pinkerton (New Lambton Heights (NSW), Australia), Richard Kim, Alexandra Brown, Brittany Rae, Jemma Mayall, Md.Khadem Ali, Malcolm Starkey, Avril Robertson, Lisa Wood, Matthew Cooper, Luke O'Neill, Philip Hansbro, Jay Horvat

PA3346 Oral steroids induce leptin and adiponectin in subjects with airway obstructive diseases
Lars I. Andersson (Stockholm, Sweden), Anna James, Barbro Dahlen, Sven-Erik Dahlen, Apostolos Bossios, . On Behalf Of Bioair Consortium

PA3348 The functional role of IgE to staphylococcus aureus enterotoxins in severe asthma
Cecilia Calabrese (Napoli (NA), Italy), Martina Flora, Francesco Perna, Ambra Nicolai, Federica Graziano, Salvatore Abbadessa, Rosalba Maffucci, Mariano Mollica, Andrea Bianco, Gennaro Mazzeola

PA3349 Parameters of sIgE and sIgG4-autoAbs to lung elastin, collagen type III and myosin in bronchial asthma in association with chronic infection.
Anna Konishcheva (Moscow, Russian Federation), Valentina Gervazieva

PA3350 Maternal particulate matter exposure during pregnancy affected offspring's lung health
Baoming WANG (sydney, Australia), Chen Hui, Kin Fai Ho, Sonia Saad, The Chinese University Of Hong Kong Chan, Brian Gregory George Brian Gregory George

PA3351 Experimental induction of respiratory syncytial virus immunopathogenesis in neonatal lambs
Thomas Démoulin (Bern, Switzerland), Melanie Brügger, Beatrice Zumkehr, Kemal Mehinagic, Horst Posthaus, Artur Summerfield, Nicolas Ruggli, Marco P. Alves

6C

Session 355

14:45 - 16:45

Poster discussion: Lung transplantation: from basic science to clinical outcomes

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#) [Pulmonary vascular diseases](#) [Respiratory critical care](#)

Method(s) : Transplantation Cell and molecular biology Pulmonary function testing Physiology Surgery Endoscopy and interventional pulmonology Imaging Pulmonary rehabilitation Epidemiology

Chairs : Robin Vos (Leuven, Belgium), Christian Benden (Zürich, Switzerland)

PA3352 Creatine supplementation attenuates inflammation in collateral lung after left lung transplantation
Francine Maria Almeida (São Paulo (SP), Brazil), Angela Silva Battochio, João Pithon Napolí, Katiusa Abreu Alves, Grace Susana Balbin, Manoel Oliveira-Junior, Henrique Takachi Moriya, Paulo Pego-Fernandes, Rodolfo Paula Vieira, Rogerio Pazetti

PA3353 Effects of tacrolimus on mechanical and humoral determinants of brain death-induced lung injury.
Asmae Belhaj (Bruxelles, Belgium), Laurence Dewachter, Kathleen Mc Entee, Robert Naeije, Benoit Rondelet

PA3354 Integrated mRNA and miRNA expression profiling of long-term survivors with normal allograft function after lung transplantation
Alberto Mendoza-Valderrey (Veguellina de Órbigo (León), Spain), Susana Gómez-Olles , Ricardo Gonzalo , Alex Sánchez-Pla , María P. Hernández-Fuentes , Roser Escobar, Cristina Berastegui, Berta Sáez, Amparo Solé, Felipe Zurbano, Mercedes De La Torre, Rosalía Laporta, Javier Redel, Antonio Román

PA3355 Immunophenotype and gene signature of long-term survivors with normal allograft function after lung transplantation
Alberto Mendoza-Valderrey (Veguellina de Órbigo (León), Spain), Susana Gómez-Olles , Alex Sánchez-Pla , Ricardo Gonzalo, María P. Hernández-Fuentes, Roser Escobar, Cristina Berastegui, Berta Sáez, Amparo Solé, Felipe Zurbano, Mercedes De La Torre, Rosalía Laporta, Javier Redel, Antonio Román

PA3356 In vitro model to study the correlation between neutrophils and miR21 expression: a role in Bronchiolitis obliterans syndrome
Laura Pandolfi (Pavia, Italy), Vanessa Frangipane, Helios Recalde, Patrizia Morbini, Sara Bozzini, Elena Rossi, Federica Meloni

PA3357 M2 polarized macrophages in bronchoalveolar lavage of lung transplant recipients
Federica Meloni (Pavia (PV), Italy), Laura Pandolfi, Vanessa Frangipane, Monica Morosini, Maddalena Cagnone, Maura D'Amato, Laura Saracino, Anna Maria Bardoni

PA3358 Bile acid aspiration associated to early CLAD development and dysregulation of airway lipids
ANDREACAROLA URSO (NEW YORK, United States of America), Federica Briganti, Renu Nandakumar, Luke Benvenuto, Joseph Costa, Hilary Robbins, Lori Shah, Joshua Sonett, Serge Cremers, Selim Arcasoy, Frank D'Ovidio

PA3359 Aspirated bile acids affect lung immunity and function
ANDREACAROLA URSO (NEW YORK, United States of America), Jose Perez-Zoghbi, Renu Nandakumar, Serge Cremers, Nigel Bunnnett, Charles Emala, Frank D'Ovidio

PA3360 Small airway dilation visualized by optical coherence tomography (OCT) correlates with the diagnosis of chronic lung allograft dysfunction (CLAD).
Jeanie Malone (Vancouver, Canada), Anthony M. D. Lee, Geoffrey Hohert, Stephen Lam, Pierre Lane, Roland G. Nador

- PA3361** **Efficacy of imatinib loaded-antiCD44 coated gold nanoparticles: a possible new therapeutic approach to BOS**
Federica Meloni (Pavia (PV), Italy), Rosanna Di Paola, Patrizia Morbini, Laura Pandolfi, Vanessa Frangipane, Enrico Gugliandolo, Emanuela Cova, Miriam Colombo, Davide Prosperi, Patrizio Vitulo, Giuseppina Ferrario, Roberta Fusco, Chiara Pacini, Rosalba Siracusa, Salvatore Cuzzocrea
- PA3362** **Total Lymphoid Irradiation (TLI) for the Management of Bronchiolitis Obliterans Syndrome (BOS) Post Lung Transplant: A Single Centre Experience**
Eoin Hunt (Cork, Ireland), Patricia Ging, Iain Lawrie, Sara Winward, Susan Towell, Charles Gillham, Jim Egan, Michelle Murray, Jana Kleinerova
- PA3363** **Potential risk factors for poor outcomes post-lung transplant for cystic fibrosis**
Colin Rutherford (Dublin, Ireland), S Towell, I Lawrie, S Winward, P Ging, J Kleinerova, J Egan, M Murray
- PA3364** **Survival benefit of lung transplantation for cystic fibrosis in Norway**
Sharad Pathak (OSLO, Norway), Michael T. Durheim, Pål L. Finstad, Are M. Holm, Inga Leuckfeld
- PA3365** **Clinical outcomes after lung transplantation for fibrosis in telomerase related genes mutation carriers**
Mathilde Phillips Houlbracq (Suresnes, France), Hervé Mal, Vincent Cottin, François Philit, Sandrine Hirschi, Antoine Roux, Lidwine Wémeau-Stervinou, Jérôme Le Pavec, Christophe Pison, Sylvain Marchand Adam, Antoine Froidure, Romain Lazor, Jean-Marc Naccache, Stéphane Jouneau, Hilario Nunes, Martine Reynaud-Gaubert, Aurélie Le Borgne, Bruno Crestani, Caroline Kannengiesser, Raphaël Borie
- PA3366** **Impact of antifibrotic drugs in lung transplantation**
Javier Carrillo Hernández-Rubio (Madrid, Spain), Silvia Aguado Ibañez, Rosalía Laporta Hernández, María Piedad Ussetti Gil
- PA3367** **ISHLT Registry Data and Country Registries: Comparison of reported European Lung Transplant Activities in 2016**
Emilie Hofstetter (München, Germany), Noreen Roth Henig, Gerhard Boerner
- PA3368** **Is oscillometry a better metric of respiratory functional capacity compared to conventional pulmonary function tests during the first 6-months post lung transplant?**
Emily DeHaas (Toronto, Canada), Joyce Wu, Elizabeth Cho, Daniella Birriel, Clodagh Ryan, Chung-Wai Chow
- PA3369** **Effect of high intensity training after lung transplantation**
Mariann Ulvestad (Oslo, Norway), Michael Thomas Durheim, Johny Kongerud, May Brit Lund, Elisabeth Edvardsen

6D

Session 356

14:45 - 16:45

Poster discussion: COPD clinical studies: bronchodilators, corticosteroids and more**Disease(s)** : [Airway diseases](#) [Respiratory critical care](#)**Method(s)** : Epidemiology General respiratory patient care Imaging Pulmonary function testing Endoscopy and interventional pulmonology Physiology Transplantation**Chairs** : Melissa McDonnell (Oranmore (Co Galway), Ireland), Jørgen Vestbo (Manchester (Greater Manchester), United Kingdom)

- PA3370** **Late Breaking Abstract - Effect of inhaled corticosteroids on exacerbation of asthma-COPD overlap according to different diagnostic criteria**
Chin Kook Rhee (Seoul, Republic of Korea), Yong Suk Jo, Yong Il Hwang, Kwang Ha Yoo, Hyoung Kyu Yoon
- PA3371** **Late Breaking Abstract - High blood neutrophils are associated with increased exacerbations and mortality in Chronic Obstructive Pulmonary Disease**
Mike Lonergan (Dundee (Scotland), United Kingdom), Alison Dicker, Megan Crichton, Christopher Fong, Holly Keir, Andrew Cassidy, Melissa Van Dyke, Hana Mullerova, Bruce Miller, Ruth Tal-Singer, James Chalmers
- PA3372** **Evaluation of the association between eosinophil variability and effects of inhaled corticosteroids in COPD patients using propensity score matching**
JUNG-KI YOON (SEOUL, Republic of Korea), Jung-Kyu Lee, Eunyoung Heo, Hee Soon Chung, Chang-Hoon Lee, Ho Il Yoon, Yong-Il Hwang, Chin Kook Rhee, Kwang Ha Yoo, Deog Kyeom Kim
- PA3373** **Blood eosinophil counts, withdrawal of inhaled corticosteroids and risk of COPD exacerbations and mortality in the Clinical Practice Research Datalink (CPRD)**
Olorunfemi Oshagbemi (Maastricht, Netherlands), Frits Franssen, Emiel Wouters, Anke-Hilse Maitland-Van Der Zee, Johanna Driessen, Anthonius De Boer, Frank Devries, Dionne Braeken
- PA3374** **Improvements in Clinical Outcomes Associated with Reduction in Hyperinflation with Zephyr Valves**
Frank Sciruba (Pittsburgh, United States of America), Richard Sue, Hiram Rivas-Perez, Brian Morrissey, Hugo Goulart De Oliveira, Momen Wahidi, Paulo F G Cardoso, Nicholas Patis Jr, Mark Dransfield, Pallav Shah, Sri Radhakrishnan, Narinder Shargill, Gerard Criner, Dirk-Jan Slebos

- PA3375 Pneumonia risk with budesonide-containing therapies in COPD: pooled analysis of three Phase III studies**
Paul Dorinsky (Durham, United States of America), Gary T. Ferguson, Klaus F. Rabe, Nicola A. Hanania, Shaila Ballal, Jack Nyberg, Patrick Darken, Kiernan Deangelis
- PA3376 Relative bioavailability of budesonide/glycopyrronium/formoterol fumarate dihydrate metered dose inhaler (BGF MDI) administered with and without a spacer in healthy adults**
Paul Dorinsky (Durham, United States of America), Paolo Depettrillo, Kiernan Deangelis, Roopa Trivedi, Mindy Mo, Shaila Ballal, Michael Gillen
- PA3377 RNAscope in situ hybridization allows spatial estimation of free drug exposure through quantification of drug induced gene expression**
Gabriel Skogberg (Gothenburg, Sweden), Sonya Jackson, Britt-Marie Fihn, Ulrika Tehler, Johan Karlsson, Michael Hühn, Markus Fridén
- PA3378 Bidimensional comparative analysis of LABA/LAMA FDCs in COPD**
Josuel Ora (Roma (RM), Italy), Paola Rogliani, Maria Gabriella Matera, Mario Cazzola, Luigino Calzetta
- PA3379 Novel lung function tests can improve phenotyping and differential therapy in COPD**
Frederik Trinkmann (Mannheim, Germany), Joshua Gawlitza, Julia Schäfer, Michele Schroeter, Josef Drayß, Julia Michels, Martin Borggreffe, Ibrahim Akin, Joachim Saur
- PA3380 Use of steroid in COPD patients and the risk of femur neck fracture; nested case-control study**
Hojeong Kim (Seoul, Republic of Korea), In Won Park, Byoung Whui Choi, Jae Yeol Kim, Jong Wook Shin, Jae-Chol Choi, Jae Woo Jung, Sang Won Yoon, Gyung-Eui Lee, Hae-Gwang Shin
- PA3381 Effect of indacaterol/glycopyrronium on ventilation/perfusion match and ventilation dynamics in hyperinflated COPD patients: The CLAIM study**
Jens Vogel-Claussen (Hannover, Germany), Andreas Voskrebenez, Till Kaireit, Filip Klimeš, Gesa Pöhler, Lea Behrendt, Korbinian Berschneider, Frank Wacker, Tobias Welte, Jens Hohlfeld
- PA3382 Benefits of tiotropium/olodaterol compared with tiotropium in patients with COPD receiving only LAMA at baseline: pooled analysis of 4 clinical trials**
Roland Buhl (Mainz, Germany), Dave Singh, Alberto De La Hoz, Florian Voß, Gary T. Ferguson
- PA3383 Comparison of outcomes in augmentation naïve and augmented patients with alpha-1 antitrypsin deficiency related lung disease.**
Paul Ellis (Birmingham (West Midlands), United Kingdom), Kristen Holm, Radmila Choate, David Mannino, Robert Stockley, Robert Sandhaus, Alice Turner
- PA3384 Effects of combined tiotropium/olodaterol on dynamic lung hyperinflation evaluated by the incremental hyperventilation method**
Shohei Kawachi (Matsumoto, Japan), Keisaku Fujimoto
- PA3385 Characteristics and treatment patterns of newly diagnosed COPD patients in Canada**
Nafeesa Dhalwani (London, United Kingdom), Claudia Cabrera, Alison Booth, Robert Petrella, Dimitra Lambrelli
- PA3386 Targeted Retreatment of Incompletely Resolved COPD Exacerbations With Ciprofloxacin**
Andrew Ritchie (London, United Kingdom), Simon E. Brill, Ben H. Vlies, Lydia J Finney, James P. Allinson, Luana Alves-Moreira, Paul Walker, Emma Baker, Sarah Elkin, Patrick Mallia, Gavin C. Donaldson, Peter M A. Calverley, Jadwiga Wedzicha
- PA3387 Significance of reversibility in Lower Limit of Normal defined obstruction – The PneumoLaus study**
Brice Touilloux (Lausanne, Switzerland), Alexandra Lenoir, Jean-William Fitting, Peter Vollenweider, Laurent P. Nicod

7B

Session 357

14:45 - 16:45

Poster discussion: New insights into pleural and bronchoscopic interventions

Disease(s) : [Airway diseases](#) [Thoracic oncology](#) [Interstitial lung diseases](#)

Method(s) : Endoscopy and interventional pulmonology Imaging General respiratory patient care

Chairs : Mohammed Munavvar (Preston (Lancashire), United Kingdom), Deirdre B Fitzgerald (Perth, Australia)

- PA3388 Selective bronchography (SB) to confirm bronchopleural fistula (BPF) in patients with persistent air leaks.**
Blanca De Vega Sanchez (Valladolid, Spain), Sofia Jaurrieta Largo, Carlos Disdier Vicente, Marta Berver Blanco, Santiago Antonio Juarros Martínez, Vicente Roig Figueroa
- PA3389 Outcomes of daycase medical thoracoscopy and pleurodesis**
Adina Tomuta (Kettering (Northamptonshire), United Kingdom), Yusuf Vali, George Tsaknis, Raja Reddy

- PA3390** **Evaluation of a new fibroscope for pleuroscopy under local anesthesia**
Hiromu Watanabe (Tokyo, Japan), Yoshie Tsujimoto, Satoru Ishii, Manabu Suzuki, Tamaki Kakuwa, Keita Sakamoto, Masao Hashimoto, Eriko Morino, Jin Takasaki, Gou Naka, Motoyasu Iikura, Shinyu Izumi, Yuichiro Takeda, Haruhito Sugiyama
- PA3391** **Medical thoracoscopy- Comparison of pleural biopsy, imprint cytology and cytology of pleural effusion**
Ralf Heine (Halle, Germany), Christian Weiß, Steffen Blöhbaum
- PA3392** **Visual diagnosis of tuberculous pleuritis: diagnostic utility of miliary nodules on pleura and their correlation with tissue Xpert MTB/Rif assay and AFB culture**
Kamran Khan (Karachi, Pakistan), Nousheen Akhter, Dimple Chawla, Nadeem Rizvi
- PA3393** **Safety and yield of physician led ultrasound guided transthoracic lung/pleural biopsies**
Rahul Patel (Leicestershire , United Kingdom), Muhammad Naeem, Georgios Tsaknis, Yusuf Vali , Raja Reddy
- PA3394** **Ambulatory management of secondary spontaneous pneumothorax**
Rahul Patel (Leicestershire , United Kingdom), Fasihul Khan, Yusuf Vali , Muhammad Naeem , Raja Reddy
- PA3395** **Small- versus large-bore chest tubes in iatrogenic pneumothorax following transthoracic lung biopsy**
Markus Fally (Frederiksberg C, Denmark), Christian N. Meyer
- PA3396** **Local pleurodesis plus medical glue assisted argon plasma coagulation via medical thoracoscopy for spontaneous pneumothorax**
Hua Zhang (Rizhao (Shandong), China), Hua Zhang, Changsheng Ge, Guangwei Xue, Lei Wang, Cunling Duan, Xiaoli Liu, Weiwei Xu, Zongtao Liu, Mengyao Wang, Xiancong Bu, Wei Zhang
- PA3397** **Autologous blood patch pleurodesis for the management of persistent air leak in secondary spontaneous pneumothoraces**
Elisma Wilken (Cape Town, South Africa), Jane Shaw, Elvis Irusen, Coenraad Koegelenberg
- PA3398** **A retrospective evaluation of pre-bronchoscopy gargling for the prevention of bronchoscopy-related infection**
Yasuyuki Mizumori (Himeji, Japan), Yasuharu Nakahara, Ryota Kominami, Kohei Miyake, Hiroaki Tsukamoto, Shin Sasaki, Tetsuji Kawamura
- PA3399** **Needle based confocal laser endomicroscopy (nCLE) for the real-time diagnosis of mediastinal lymph nodes involved in sarcoidosis**
Tess Kramer (Amsterdam, Netherlands), Lizzy Wijmans, Martijn De Bruin, Peter Bonta, Jouke Annema
- PA3400** **Differential diagnosis of peripheral lung cancer and pulmonary TB by using probe-based confocal laser endomicroscopy**
Igor Mamenko (St. Petersburg, Russian Federation), Igor Vasilev, Irina Tabanakova, Sultan Gasanmagomedov, Gleb Beliaev, Tatiana Novickaya, Piotr Yablonskii
- PA3401** **Comparison of probe-based confocal laser endomicroscopy images in patients with pulmonary TB and nontuberculous mycobacteriosis: Preliminary report**
Igor Mamenko (St. Petersburg, Russian Federation), Igor Vasilev, Irina Tabanakova, Sultan Gasanmagomedov, Gleb Beliaev, Irina Vikulova, Tatiana Novickaya, Piotr Yablonskii
- PA3402** **Long term assessment of photodynamic therapy for superficial bronchial cancer**
Mathieu Salaün (Rouen Cedex, France), Nicolas Delberghe, Olivier Raitiere , Pierre Alexandre Hauss, Kinan El Hussein, Florian Guisier , Luc Thiberville
- PA3403** **Collateral ventilation measurement using Chartis: conscious sedation versus general anesthesia**
Jorrit Welling (Groningen, Netherlands), Karin Klooster, Jorine Hartman, Huib Kerstjens, Ina Franz, Michel Struys, Anthony Absalom, Dirk-Jan Slebos, Clemens Barends
- PA3404** **Therapeutic Bronchoscopy Under Extracorporeal Membrane Oxygenation (ECMO) Support: Case Series**
Vorawut Thanthitaweewat (Bangkok, Thailand), Thitiwat Sriprasart
- PA3405** **Functional measurement of collateral ventilation is of additional value to CT scan fissure analysis in endobronchial valve treatment for emphysema**
Karin Klooster (Groningen, Netherlands), David T. Koster, Christoph R. Glösenkamp, Dorothea Theilig, Norbert Suttorp, Dirk-Jan Slebos, Ralf-Harto Hübner

RETIRO

Session 358

14:45 - 16:45

Poster discussion: Hot topics in pulmonary rehabilitation

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)

Method(s) : Pulmonary rehabilitation General respiratory patient care Physiology

Chairs : Jennifer Alison (Killara (NSW), Australia), Rainer Gloeckl (Schoenau am Koenigssee, Germany)

- PA3406 Short-term effects of supplemental oxygen during exercise in patients with idiopathic pulmonary fibrosis (IPF)**
Inga Jarosch (Schönau am Königssee, Germany), Tessa Schneeberger, Rainer Gloeckl, Daniela Leitl, Christoph Schneider, Rembert Koczulla, Klaus Kenn
-
- PA3407 The Hospital Anxiety and Depression Scale (HADS) in Bronchiectasis: Response to pulmonary rehabilitation (PR) and Minimum Clinically Important Difference (MCID)**
Stephanie C Wynne (Middlesex, United Kingdom), Suhani Patel, Ruth E. Barker, Sarah E. Jones, Jessica A. Walsh, Samantha Sc. Kon, Julius Cairn, Michael R. Loebinger, Robert Wilson, William Dc. Man, Claire M. Nolan
-
- PA3408 The incremental shuttle walk test (ISW) in patients with bronchiectasis: Response to pulmonary rehabilitation (PR) and minimum clinically important difference (MCID)**
Jessica A Walsh (London, United Kingdom), Suhani Patel, Ruth E Barker, Sarah E Jones, Stephanie C Wynne, Samantha Kon, Julius Cairn, Michael R Loebinger, Robert Wilson, William D-C Man, Claire M Nolan
-
- PA3409 Cognitive impairment (CI) and pulmonary rehabilitation (PR) in COPD**
Mark Orme (Leicester (Leicestershire), United Kingdom), Neil Greening, Michael Steiner, Sally Singh
-
- PA3410 Mediation analysis and causal mechanisms of an intervention to promote physical activity among COPD patients**
David Coultas (Portland, United States of America), Bradford Jackson, Anne-Elie Carsin, Judith Garcia-Aymerich
-
- PA3411 Classifying the physical activity and sedentary behaviour of persons with COPD before pulmonary rehabilitation: a cluster analysis.**
Wolfgang Geidl (Erlangen, Germany), Johannes Carl, Samuel Cassar, Nicola Leibert, Michael Wittmann, Rupert Wagner, Konrad Schultz, Klaus Pfeifer
-
- PA3412 Disease management program COPD in Germany: benefit for the patient in respect of GOLD-stages?**
Frank Kannies (Reinfeld (Holstein), Germany), Christian Ruckes, Nicole Regenfuss, Tanja Schmidt
-
- PA3413 Inpatient pulmonary rehabilitation improves functional independence in patients with interstitial lung disease.**
Sabina A. Guler (Bern, Switzerland), Luc Bovet, Patrick Brun
-
- PA3414 Gait speed and mortality in chronic obstructive pulmonary disease (COPD)**
Jessica A Walsh (London, United Kingdom), Claire M Nolan, Samantha S C Kon, Suhani Patel, Ruth E Barker, Sarah E Jones, Stephanie C Wynne, Matthew Maddocks, Michael I Polkey, Paul Cullinan, William D-C Man
-
- PA3415 Short-term effects of pulmonary rehabilitation on asthma control in patients with moderate-severe unstable asthma**
Tessa Schneeberger (Schönau am Königssee, Germany), Johanna Gebhardt, Inga Jarosch, Rainer Gloeckl, Martina Boensch, Christian Taube, Klaus Kenn, Rembert Koczulla
-
- PA3416 Improving symptomology in COPD: which therapy would you choose, a bronchodilator or pulmonary rehabilitation?**
Sarah Edwards (Leicester (Leicestershire), United Kingdom), Theresa Harvey-Dunstan, Ruth Tal-Singer, Matthew Allinder, Michael Polkey, Michael Steiner, Mike Morgan, Sally Singh
-
- PA3417 Forced oscillation technique (FOT) in the evaluation of COPD patients enrolled in Pulmonary Rehabilitation (PR)**
Isabella Romagnoli (Firenze (FI), Italy), Barbara Lanini, Elisa Chellini, Claudia Mannini, Barbara Binazzi, Emanuele Vulpio, Francesca Gandi, Francesco Gigliotti
-
- PA3418 Profiling changes in physical activity and exercise capacity following lifestyle interventions in COPD**
TAREQ ALOTAIBI (LBORO, United Kingdom), Mark Orme, Claire Nolan, Tom Ward, Emma Chaplin, Elizabeth Horton, Theresa Harvey-Dunstan, William Man, David Stensel, Sally Singh
-
- PA3419 Does daily physical activity levels or functional exercise capacity provide additional prognostic information in idiopathic pulmonary fibrosis (IPF)?**
Suhani Patel (London, United Kingdom), Claire M Nolan, Ruth E Barker, Sarah E Jones, Stephanie C Wynne, Jessica A Walsh, Peter M George, Toby M Maher, William D-C Man
-
- PA3420 Long-term effects of high-intensity exercise training in patients with COPD: a controlled study**
Tobias Boeselt (Marburg, Germany), Christoph Nell, Lea Lütteken, Martina Veith, Bjoern Beutel, Timm Greulich, Johannes Kroenig, Marc Spielmanns, Claus Vogelmeier, Klaus Kenn, Peter Alter, Andreas Rembert Koczulla
-
- PA3421 Oxygen supplementation in COPD patients with exercise induced desaturation - a RCT study**
Anne Edvardsen (Hakadal, Norway), Liv Karin Vesteng, Einar Thorsen, Bente Frisk
-
- PA3422 No severe exacerbation with 6 months of high-intensity interval training in the REPLACE study. Preliminary data.**
Anders Pitzner-Fabricius (Allerød, Denmark), Christian Dall, Marius Henriksen, Vibeke Backer

- PA3423** **Progression of physical inactivity in COPD patients: the effect of time and climate conditions – a multicentre prospective cohort study**
Afroditi Boutou (Thessaloniki, Greece), Yogini Raste, Heleen Demeyer, Thierry Troosters, Michael Polkey, Ioannis Vogiatzis, Zafeiris Louvaris, Roberto Rabinovich, Thys Van Der Molen, Judith Garcia-Aymerich, Nicholas Hopkinson

N106 **Session 359** **15:00 - 16:30**

Symposium: ERS Women leaders

Empowering women in respiratory medicine and science

Aims : This session will provide a platform to support women to strive for excellence in respiratory medicine. Delegates are invited to provide their own cases and testimonials, with the 5 best cases being selected for presentation during the session.

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Scientist (basic, translational), Nurse, Lung function technologist

Chairs : Daiana Stolz (Basel, Switzerland), Omar S. Usmani (London, United Kingdom)

15:00	Keynote: Pathways to presidency Elisabeth H.D. Bel (Amsterdam, Netherlands), Anita Simonds (London, United Kingdom), Mina Gaga (Athens, Greece)	3424
15:30	Cases and testimonials including challenges and success stories Maren Schuhmann (Heidelberg, Germany), Sabine Bartel (Groningen, Netherlands)	3425
16:00	ERS initiatives for gender equality Daiana Stolz (Basel, Switzerland)	3426
16:15	Discussion Omar S. Usmani (London, United Kingdom)	3427

9A **Session 363** **17:00 - 18:00**

Group members' meeting: Group 9.2: Physiotherapists

Chairs : Chris Burtin (Diepenbeek, Belgium), Deniz Inal-Ince (Ankara, Turkey)

N100

Session 378

08:00 - 11:00

Registration for this session is additional to the congress registration fee and is: €38.5 standard and €44 on site.

Professional development workshop: PDW9 Burning up while burning out: compassion fatigue awareness and burnout prevention for practitioners

Aims : to understand compassion fatigue and burnout, including their similarities and differences; to define and compare these conditions and to explore specific triggers; to make participants aware of key signs and symptoms and how to manage stressors and their consequences; to highlight physical, emotional/mental and behavioural symptoms; to describe strategies for management and prevention, including mindfulness training and behaviours that can help reduce the frequency of fatigue and prevent burnout; to introduce theories that will assist the translation of conceptual understanding to the workplace and personal change; to provide participants with the opportunity to create their own individualised management and prevention plan.

Additionally, theories will be introduced that will help translate conceptual understanding to actual workplace and personal change. Finally, participants will have an opportunity to create their own individualized management and prevention plan

Chairs : Lakshman Swamy (Boston, United States of America)

08:00	Introduction Lakshman Swamy (Boston, United States of America)	3514
08:15	Burnout: causes, warning signs and symptoms Howard Baumgarten (Denver, United States of America)	3515
08:45	Compassion fatigue: a particular type of burnout Howard Baumgarten (Denver, United States of America)	3516
09:30	Coffee Break	3517
09:50	Strategies: managing stress, preventing burnout and raising awareness of compassion fatigue Howard Baumgarten (Denver, United States of America)	3518
10:20	Practical assignment: development of an individual plan Howard Baumgarten (Denver, United States of America)	3519
10:50	Discussion and conclusions	3520

N107

Session 402

09:00 - 12:35

Registration for this session is additional to the congress registration fee and is: €38.5 standard and €44 on site.

Professional development workshop: PDW10 Educational supervision at work: clinical performance assessment

Practical skills to implement in your institution

Aims : to help participants recognise the different types of workplace-based assessment, including the pros and cons of each assessment type, and the importance of reliability, validity, transparency, feasibility and educational impact; to explain how to overcome common problems related to the assessment process; to highlight the importance of faculty training.

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Trainee, Student, Adult pulmonologist/Clinician, Nurse, General practitioner

Chairs : Lars Konge (Virum, Denmark), Robert Primhak (Sheffield (South Yorkshire), United Kingdom)

09:00	Welcome and overview of session Robert Primhak (Sheffield (South Yorkshire), United Kingdom)	3730
09:10	Multi-source feedback tool: using coaching skills to give feedback Robert Primhak (Sheffield (South Yorkshire), United Kingdom), Susy Stirling (Sheffield, United Kingdom)	3731
10:30	Assessment of procedural skills DOPS & OSATS Lars Konge (Virum, Denmark)	3732
11:15	Coffee Break	3733
11:40	Case based discussion as a formative assessment tool Neil Gibson (Glasgow (Glasgow), United Kingdom)	3734
12:25	Summary and concluding remarks Robert Primhak (Sheffield (South Yorkshire), United Kingdom), Lars Konge (Virum, Denmark)	3735

N100 **Session 427** **11:15 - 13:45***Registration for this session is additional to the congress registration fee and is: €38.5 standard and €44 on site.***Professional development workshop: PDW11 Delivering bad news as a multidisciplinary team****Aims :** to train caretakers to deliver bad news while also gathering adequate information from the patient, providing the necessary medical information, supporting the patient and collaborating with the patient to develop a treatment plan; to describe the value of interactions within a multidisciplinary team when delivering bad news.**Disease(s) :** Airway diseases Respiratory critical care Thoracic oncology**Method(s) :** General respiratory patient care Palliative care Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Pathologist, Patient, Physiotherapist, Policy maker, Radiologist, Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Torsten Gerriet Blum (Berlin, Germany)

11:15	Introduction	3939
11:30	Brief repetition of teaching material (SPIKES-protocol, core elements of good communication) based on a pre-recorded video depicting a doctor delivering bad news to a patient Bettina Korn (Dublin, Ireland), Sandra Delis (Berlin, Germany)	3940
12:00	Lung cancer Dragana M. Jovanović (Beograd, Republic of Serbia), Georgia Hardavella (London, United Kingdom)	3941
12:30	COPD Alexander Mathioudakis (Manchester, United Kingdom)	3942
13:00	Acute critical care and home ventilator support Stefano Nava (Bologna (BO), Italy)	3943
13:30	Final comments and questions	3944

N100 **Session 490** **14:00 - 16:00***Registration for this session is additional to the congress registration fee and is: €38.5 standard and €44 on site.***Professional development workshop: PDW12 Ethical issues in clinical respiratory research: where to draw the line?****Aims :** to discuss potential ethical issues associated with translating findings/knowledge from basic science to clinical trials in humans; to conduct group discussions led by expert speakers regarding if and where we should draw the (ethical) line in the advance of science to therapies; to discuss scientific advances and ethical considerations of two new technologies, CRISPR/Cas9-based genome editing and (modified) stem cell therapies.**Disease(s) :** Airway diseases Interstitial lung diseases Paediatric respiratory diseases**Method(s) :** Cell and molecular biology General respiratory patient care**Tag(s) :** Translational**Target audience :** Clinical researcher, General practitioner, Patient, Scientist (basic, translational), Student, Trainee**Chairs :** Manuela Platé (London, United Kingdom)

14:00	Introduction	4879
14:15	The potential of CRISPR/Cas9 genome editing approaches for respiratory disease Christopher O'Callaghan (London, United Kingdom), Doug Sipp (, Japan)	4880
15:00	Potential gains versus ethical considerations in the use of stem cell therapies for chronic lung diseases Darcy Wagner (Lund, Sweden), Daniel Weiss (Burlington, United States of America)	4881
15:45	Closing discussion	4882

N105 **Session 377** **08:00 - 10:20***Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.***Skills workshop: SW19 Interpretation of cardiopulmonary exercise tests: tips and pitfalls in CPET assessment****Aims :** to identify typical patterns of responses to cardiopulmonary exercise testing and to demonstrate how to discriminate these from anomalous response profiles, which can cause misinterpretation of test results. Description of the workstations

Disease(s) : Sleep and breathing disorders**Method(s) :** Physiology Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Clinical researcher, Lung function technologist, Physiologist, Physiotherapist, Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Pierantonio Laveneziana (Paris, France)

Introduction	3509
Relationship between oxygen uptake and work rate Paolo Palange (Rome, Italy)	3510
The anaerobic/lactate threshold Marcello Di Paolo (Roma (RM), Italy)	3511
Breathing patterns and dynamic hyperinflation Pierantonio Laveneziana (Paris, France)	3512
Ventilatory efficiency J. Alberto Neder (Kingston (ON), Canada)	3513

NEPTUNO Session 394 08:30 - 12:00*Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.***Skills workshop: SW20 Clinical interpretation of spirometry results****Aims :** to present how to interpret spirometry tests; to be able (1) to differentiate between poor technique and technical errors and abnormal spirometry by evaluating patterns in flow volume and volume time curves; and (2) to recognise abnormal from normal spirometry when interpreting curves and results tables by comparing the measured values with the reference values. Description of the workstations**Disease(s) :** Airway diseases Pulmonary vascular diseases Sleep and breathing disorders**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Lung function technologist, Nurse, General practitioner**Chairs :** Felip Burgos Rincon (Barcelona, Spain), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

08:30	Introduction Felip Burgos Rincon (Barcelona, Spain), Jellien Makonga-Braaksma (Woudenberg, Netherlands)	3610
08:45	Recognising technically poor traces and measurement errors Lindsay Zurba (Durban, South Africa), Vicky Moore (Birmingham (West Midlands), United Kingdom), Flemming Madsen (Vanløse, Denmark), Marija Vukoja (Sremska Kamenica, Republic of Serbia)	3611
09:05	Common discussion	3612
09:15	Deciding on which reference values to use and how to calculate them Lindsay Zurba (Durban, South Africa), Vicky Moore (Birmingham (West Midlands), United Kingdom), Marija Vukoja (Sremska Kamenica, Republic of Serbia), Flemming Madsen (Vanløse, Denmark)	3613
09:40	Common discussion	3614
09:50	Break	3615
10:05	Overview of F-V/V-T traces and the range of abnormal shapes Lindsay Zurba (Durban, South Africa), Vicky Moore (Birmingham (West Midlands), United Kingdom), Marija Vukoja (Sremska Kamenica, Republic of Serbia), Flemming Madsen (Vanløse, Denmark)	3616
10:25	Common discussion	3617
10:35	Describing the severity of an abnormality Lindsay Zurba (Durban, South Africa), Marija Vukoja (Sremska Kamenica, Republic of Serbia), Vicky Moore (Birmingham (West Midlands), United Kingdom), Flemming Madsen (Vanløse, Denmark)	3618
11:10	Common discussion	3619
11:20	Writing a spirometry report Lindsay Zurba (Durban, South Africa), Marija Vukoja (Sremska Kamenica, Republic of Serbia), Vicky Moore (Birmingham (West Midlands), United Kingdom), Flemming Madsen (Vanløse, Denmark)	3620

11:45	Common discussion	3621
11:55	Explanation of the post-course assessment Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Felip Burgos Rincon (Barcelona, Spain)	3622

N105 Session 405 10:40 - 13:00

Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.

Skills workshop: SW21 Interpretation of cardiopulmonary exercise tests: tips and pitfalls in CPET assessment

Aims : to identify typical patterns of responses to cardiopulmonary exercise testing and to demonstrate how to discriminate these from anomalous response profiles, which can cause misinterpretation of test results. Description of the workstations

Disease(s) : Sleep and breathing disorders

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, Lung function technologist, Physiologist, Physiotherapist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Marcello Di Paolo (Roma (RM), Italy)

Introduction	3736
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Relationship between oxygen uptake and work rate Richard Casaburi (Rancho Palos Verdes, United States of America)	3737
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The anaerobic/lactate threshold Harry Rossiter (Hermosa Beach, United States of America)	3738
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Breathing patterns and dynamic hyperinflation Denis O'Donnell (Kingston (ON), Canada)	3739
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Ventilatory efficiency Paolo Onorati (Alghero (SS), Italy)	3740
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NEPTUNO Session 489 13:30 - 17:00

Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.

Skills workshop: SW22 Clinical interpretation of spirometry results

Aims : to present how to interpret spirometry tests; to be able (1) to differentiate between poor technique and technical errors and abnormal spirometry by evaluating patterns in flow volume and volume time curves; and (2) to recognise abnormal from normal spirometry when interpreting curves and results tables by comparing the measured values with the reference values. Description of the workstations

Disease(s) : Airway diseases Pulmonary vascular diseases Sleep and breathing disorders

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Lung function technologist, Nurse, General practitioner

Chairs : Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Aisling McGowan (Dublin, Ireland)

13:30 Introduction Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Aisling McGowan (Dublin, Ireland)	4866
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13:45 Recognising technically poor traces and measurement errors Arne Drews (Grimma, Germany), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Ebymar Arismendi Nunez (Barcelona, Spain), Jana Kivastik (Tartu, Estonia)	4867
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14:05 Common discussion	4868
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14:15 Deciding on which reference values to use and how to calculate them Arne Drews (Grimma, Germany), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Ebymar Arismendi Nunez (Barcelona, Spain), Jana Kivastik (Tartu, Estonia)	4869
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14:40 Common discussion	4870
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14:50 Break	4871
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15:05	Overview of F-V/V-T traces and the range of abnormal shapes Arne Drews (Grimma, Germany), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Ebymar Arismendi Nunez (Barcelona, Spain), Jana Kivastik (Tartu, Estonia)	4872
15:25	Common discussion	4873
15:35	Describing the severity of an abnormality Arne Drews (Grimma, Germany), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Ebymar Arismendi Nunez (Barcelona, Spain), Jana Kivastik (Tartu, Estonia)	4874
16:10	Common discussion	4875
16:20	Writing a spirometry report Arne Drews (Grimma, Germany), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Ebymar Arismendi Nunez (Barcelona, Spain), Jana Kivastik (Tartu, Estonia)	4876
16:45	Common discussion	4877
16:55	Explanation of the post-course assessment Brendan Cooper (Edgbaston (Birmingham), United Kingdom)	4878

N105 Session 492 14:30 - 16:50

Registration for this session is additional to the congress registration fee and is: €99 standard and €110 on site.

Skills workshop: SW23 Interpretation of cardiopulmonary exercise tests: tips and pitfalls in CPET assessment

Aims : to identify typical patterns of responses to cardiopulmonary exercise testing and to demonstrate how to discriminate these from anomalous response profiles, which can cause misinterpretation of test results. Description of the workstations

Disease(s) : Sleep and breathing disorders

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, Lung function technologist, Physiologist, Physiotherapist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Pierantonio Laveneziana (Paris, France)

Introduction	4883
Relationship between oxygen uptake and work rate Paolo Palange (Rome, Italy)	4884
The anaerobic/lactate threshold Harry Rossiter (Hermosa Beach, United States of America)	4885
Breathing patterns and dynamic hyperinflation Denis O'Donnell (Kingston (ON), Canada)	4886
Ventilatory efficiency J. Alberto Neder (Kingston (ON), Canada)	4887

N115 Session 481 13:00 - 14:00

Registration for this session is additional to the congress registration fee and is €99 standard and €110 on site.

Meet the expert: ME7 Bronchiolitis: is there still much to be discovered?

Aims : to describe the characteristics of bronchiolitis and help participants analyse recent findings about this disorder.

Disease(s) : Airway diseases Paediatric respiratory diseases Respiratory infections

Method(s) : Epidemiology Public health

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, Nurse, Paediatrician, Student, Trainee

13:00	Bronchiolitis: is there still much to be discovered? Fabio Midulla (Roma (RM), Italy)	4849
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N116

Session 482

13:00 - 14:00

*Registration for this session is additional to the congress registration fee and is €99 standard and €110 on site.***Meet the expert: ME8 Multidrug-resistant tuberculosis: choosing a regimen, ensuring that the dose is correct, managing adverse events and dealing with contacts****Aims :** to help participants 1) understand laboratory drug susceptibility test results and what they mean, 2) apply the ATS/CDC/ERS/IDSA guidelines when choosing a regimen, 3) recognise which adverse effects might be attributable to which drug in a multicomponent regimen and how to manage them and 4) balance the relative risks and benefits of preventive treatment based on evidence from the literature.

Diseases: respiratory infections.

Disease(s) : Respiratory infections**Method(s) :** Epidemiology General respiratory patient care Public health**Tag(s) :** Clinical**Target audience :** Critical/Intensive care physician, Paediatrician, Student, Trainee, Adult pulmonologist/Clinician

13:00	Multidrug-resistant tuberculosis: choosing a regimen, ensuring that the dose is correct, managing adverse events and dealing with contacts Nicolas Veziris (Paris, France)	4850
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N118

Session 483

13:00 - 14:00

*Registration for this session is additional to the congress registration fee and is €99 standard and €110 on site.***Meet the expert: ME9 Genetic testing and counselling of patients with rare interstitial lung diseases****Does detection of specific mutations have practical consequence for the patients?****Aims :** the prevalence of interstitial lung diseases (ILDs) is increased by 10-fold in families of patients diagnosed with idiopathic pulmonary fibrosis, suggesting that there is a genetic predisposition to ILDs. This seminar focuses on the genetics of pulmonary fibrosis and is divided into three parts: 1) introduction including epidemiology and genetic background, 2) indications for genetic testing and current care of patients with ILDs associated with an identified germline mutation and 3) discussion of appropriate management for relatives.**Disease(s) :** Interstitial lung diseases Paediatric respiratory diseases**Method(s) :** Cell and molecular biology General respiratory patient care**Tag(s) :** Translational**Target audience :** Clinical researcher, Paediatrician, Adult pulmonologist/Clinician**Chairs :** Tiago Alfaro (Coimbra, Portugal)

13:00	Genetic testing and counselling of patients with rare ILDs Raphaël Borie (Paris, France)	4851
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6E

Session 374

07:00 - 08:15

Challenging clinical cases: Airway diseases**Aims :** to describe the history, pathology, analysis and treatment of complex clinical cases in airway diseases. The session leaders will facilitate a discussion with the case presenters and the audience in order to examine and discuss each case.**Disease(s) :** Airway diseases**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, General practitioner, Clinical researcher, Critical/Intensive care physician, Lung function technologist, Paediatrician, Physiotherapist, Allergist, Radiologist**Chairs :** Michael Tamm (Basel, Switzerland), Florence Schleich (Liège, Belgium)

07:00	Pulmonary alveolar proteinosis and idiopathic pulmonary hemosiderosis Laura Walsh (Cork (Co. Cork), Ireland)	3494
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07:15	A rare tracheobronchial amyloidosis Fatih Zengin (Istanbul, Turkey)	3495
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07:30	Severe pulmonara hemorrhage Stefanie Keymel (Dusseldorf, Germany)	3496
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07:45	Case series of welders with unexplained emphysema Jennifer Louise Hoyle (West Yorkshire, United Kingdom)	3497
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08:00 **The relationship between hyperresponsiveness and laryngeal obstruction** **3498**
Jemma Haines (Wilmslow (Cheshire), United Kingdom)

6B **Session 375** **07:00 - 08:15**

Challenging clinical cases: Interstitial lung diseases

Aims : to describe the history, pathology, analysis and treatment of complex clinical cases in interstitial lung diseases area. The session leaders will facilitate a discussion with the case presenters and the audience in order to examine and discuss each case.

Disease(s) : **Interstitial lung diseases**

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Critical/Intensive care physician, Clinical researcher, Thoracic oncologist, Thoracic surgeon, Nurse, Radiologist, Trainee

Chairs : Elisabetta Renzoni (London, United Kingdom), Michael Kreuter (Heidelberg, Germany)

07:00 **A case of a woman and her breathtaking jewellery** **3499**
Dimitri Stylemans (Meldert (Aalst), Belgium)

07:15 **IgG4-related disease pleural and retroperitoneal fibrosis** **3500**
Maria Aurora Pinto Mendes (Penafiel, Portugal)

07:30 **A rare and misleading cause of lung nodules with pulmonary embolism** **3501**
Florent Trescos (MARSEILLE, France)

07:45 **Alemtuzumab-induced alveolar hemorrhage in relapsing-remitting Multiple Sclerosis: learning from adversity** **3502**
Pier-Valerio Mari (Roma (RM), Italy)

08:00 **Rituximab therapy in a patient with steroid-refractory bird fancier's lung** **3503**
Etienne Ceci Bonello (Naxxar, Malta)

6C **Session 376** **07:00 - 08:15**

Challenging clinical cases: Paediatric respiratory diseases

Aims : to describe the history, pathology, analysis and treatment of complex clinical cases in paediatric respiratory diseases area. The session leaders will facilitate a discussion with the case presenters and the audience in order to examine and discuss each case.

Disease(s) : **Paediatric respiratory diseases**

Tag(s) : Clinical

Target audience : Paediatrician, General practitioner, Allergist, Critical/Intensive care physician, Clinical researcher, Lung function technologist, Thoracic oncologist, Nurse, Physiologist, Physiotherapist, Radiologist, Thoracic surgeon

Chairs : Jürg Hammer (Basel, Switzerland), Angela Zacharasiewicz (Wien, Austria)

07:00 **Catheter-interventional closure of a bronchopleural fistula following pneumonia** **3504**
Winfried Baden (Tübingen, Germany)

07:15 **A breathless teenager** **3505**
Cara Cochrane (Bristol, United Kingdom)

07:30 **A 9 month-old boy presenting with choking episodes** **3506**
Caroline Poulter (Nottingham, United Kingdom)

07:45 **TB or not TB... that is the question** **3507**
Hani Gowai (Sheffield, United Kingdom)

08:00 **A rare case of thrombocytopenia and pericardial effusion** **3508**
Yael Bezalel (Petach tikva, Israel)

8B **Session 379** **08:30 - 10:30**

Endoscopy session: Interventional pneumology: live out of the box

Aims : to describe and demonstrate various endoscopic techniques with live commentary and an expert-led question-and-answer session.

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology**Method(s)** : Endoscopy and interventional pulmonology**Tag(s)** : Clinical**Target audience** : Clinical researcher, Critical/Intensive care physician, General practitioner, Nurse, Patient, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs** : Jouke T. Annema (Amsterdam, Netherlands), Javier Flandes Aldeyturriaga (Madrid, Spain)

08:30	Endobronchial ultrasound: the gold standard for the mediastinum Laurence M.M.J. Crombag (Huizen, Netherlands)	3521
09:00	Cryobiopsy: how to take biopsies in 2019 Sara Tomassetti (Forli, Italy)	3522
09:30	Transthoracic ultrasound: a standard examination for respiratory physicians Christian B. Laursen (Odense, Denmark)	3523
10:00	Endobronchial valve placement: interventional options for emphysema patients Konstantina Kontogianni (Heidelberg, Germany)	3524

7A Session 380 08:30 - 10:30**Symposium: State of the art session: Interstitial lung diseases****Aims** : to discuss new observations and trials in specific areas of sarcoidosis; to present significant changes in the treatment approach for sarcoidosis, especially for patients with advanced disease who are at risk of organ failure or death.**Disease(s)** : Interstitial lung diseases Respiratory infections Thoracic oncology**Method(s)** : Endoscopy and interventional pulmonology Imaging Surgery**Tag(s)** : Clinical**Target audience** : Patient, Radiologist, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs** : Katerina Antoniou (Heraklion, Greece), Paolo Spagnolo (Padova (PD), Italy)

08:30	An evidence-based and step-wise approach to treat pulmonary sarcoidosis with old and new drugs Robert P. Baughman (Cincinnati, United States of America)	3525
09:00	How to recognise and what to do about pulmonary sarcoidosis Elisabetta Renzoni (London, United Kingdom)	3526
09:30	Extrapulmonary sarcoidosis: what to look for and how to treat Dominique Valeyre (Paris, France)	3527
10:00	Cardiac sarcoidosis: screening, diagnosis and treatment Vasileios Kouranos (London, United Kingdom)	3528

9E Session 381 08:30 - 10:30**Hot topics: Multidrug resistance in nosocomial pneumonia: burden, magnitude and solution**
Bacterial resistance management**Aims** : to identify the burden of multidrug-resistant nosocomial infections; to describe measurement of the magnitude of multidrug resistance and where we stand; to discuss what can be done to overcome this problem using available means; to present future ideas for fighting multidrug resistance worldwide.**Disease(s)** : Respiratory critical care Respiratory infections**Method(s)** : Public health Respiratory intensive care**Tag(s)** : Clinical**Target audience** : Clinical researcher, Critical/Intensive care physician, Nurse, Patient, Adult pulmonologist/Clinician**Chairs** : Emad Eldin Ibrahim (Alexandria, Egypt), Eric Mortensen (Simsbury, United States of America)

08:30	International guidelines for nosocomial pneumonia: do they cover multidrug resistance management? Valerio Del Bono (Genoa, Italy)	3529
09:00	From international guidelines to local guidelines for nosocomial pneumonia: what is missing? Antoni Torres (Barcelona, Spain)	3530
09:30	Improving antibiotic utilisation for nosocomial pneumonia Jordi Rello (Barcelona, Spain)	3532

10:00 Panel discussion

3531

9A Session 382 08:30 - 10:30

Guidelines session: Guidelines for long-term management of bronchopulmonary dysplasia in children

ERS guidelines

Aims : to discuss the conclusions of the ERS guidelines for long-term management of bronchopulmonary dysplasia in children in an interactive way.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Charles Christoph Roehr (Oxford (Oxfordshire), United Kingdom), Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Evelien R. van Meel (Rotterdam, Netherlands)

08:30 **Introduction**
Marielle W.H. Pijnenburg (Rotterdam, Netherlands) 3533

08:35 **Bronchopulmonary dysplasia over the years: new insights into the development and prevention**
Rory Morty (Bad Nauheim, Germany) 3534

09:05 **Why a bronchopulmonary dysplasia guidelines are needed from a parent's perspective**
Stijn Gremmen (Leiden, Netherlands) 3535

09:25 **Monitoring of children with bronchopulmonary dysplasia: an interactive presentation with results of the task force**
Liesbeth Duijts (Rotterdam, Netherlands) 3536

09:45 **Treatment of children with bronchopulmonary dysplasia: an interactive presentation with results of the task force**
Speaker to be confirmed 3537

10:05 **Long-term consequences of bronchopulmonary dysplasia in adulthood and how to proceed**
Charlotte Bolton (Nottingham (Nottinghamshire), United Kingdom) 3538

9C Session 383 08:30 - 10:30

Symposium: Metabolic alterations in lung ageing and disease

Lung Science Conference 2020 educational symposium

Aims : to highlight the roles of metabolic alterations in lung aging and disease at the organismal and cellular levels. This will be achieved by explaining how metabolic alterations influence pathophysiology and by discussing why they may have potential for therapeutic targeting.

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Cell and molecular biology

Tag(s) : Basic science

Target audience : Allergist, Clinical researcher, Paediatrician, Pathologist, Patient, Scientist (basic, translational), Student, Thoracic oncologist

Chairs : H. Irene Heijink (Groningen, Netherlands), Patrick Berger (Bordeaux, France)

08:30 **Metabolic changes in lung ageing and COPD**
Peter J. Barnes (London, United Kingdom) 3539

09:00 **Oxidative stress and aberrant immunometabolism in respiratory disease**
Philip Hansbro (Callaghan, Australia) 3540

09:30 **Restoration of defective cellular metabolism using stem cells**
Anna Krasnodembskaya (Belfast (Belfast), United Kingdom) 3541

10:00 **Metabolic profiling in pulmonary diseases**
Craig Wheelock (Stockholm, Sweden) 3542

9D

Session 384

08:30 - 10:30

Hot topics: Infections, the microbiome and host defence peptides in the development and progression of asthma

Aims : to describe the immune contributions of airway host defence peptides and proteins (HDPs) to pulmonary health and disease; to demonstrate the importance of HDPs for regulating host-pathogen interactions and the progression of lung disease; to highlight clinical applications of the immune properties of HDPs in respiratory medicine.

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology Physiology

Tag(s) : Basic science

Target audience : Paediatrician, Scientist (basic, translational), Trainee, Adult pulmonologist/Clinician

Chairs : Clemente Britto (New Haven, United States of America), Debby Bogaert (Edinburgh, United Kingdom)

08:30	The environmental microbiome and its link to allergies and asthma Markus Ege (München, Germany)	3543
09:00	Exposure to helminth parasites and asthma development Hermelijn H. Smits (Leiden, Netherlands)	3544
09:30	Dysregulation of host defence peptides by environmental challenge: Can we mitigate the pathophysiology? Neeloffer Mookherjee (Winnipeg (MB), Canada)	3545
10:00	The innate defence peptide BPIFA1/SPLUNC1 restricts respiratory viral infections Colin Bingle (Sheffield (South Yorkshire), United Kingdom)	3546

8C

Session 385

08:30 - 10:30

Symposium: Rare lung diseases
A joint ERN-LUNG/ERS session

Aims : to increase awareness of rare respiratory system diseases; to demonstrate how the ERN-LUNG can offer support in the field of rare lung diseases with respect to clinical care and research, cross-border advice for patients and care team members, cross-border consultations and cross-border referral; to demonstrate how combining efforts can benefit patients with rare lung disease; to exemplify the role of European networking in accelerating the development of orphan drugs by promoting the close cooperation of patients and care teams in clinical trial networks; to demonstrate what the European Medicines Agency can do to help bring new drugs to patients via a safe and rapid process; to describe what has been successfully achieved with some rare diseases and why it is logical that the ERS and ERN-LUNG fight rare lung diseases together.

Disease(s) : **Interstitial lung diseases** **Paediatric respiratory diseases** **Pulmonary vascular diseases**

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Paediatrician, Patient, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Marc Humbert (Paris, France), Guy Brusselle (Ghent, Belgium), Thomas OF Wagner (Kronberg, Germany)

08:30	How to accelerate bringing new drugs to patients: role of clinical trials networks Isabelle Fajac (Paris, France)	3547
09:00	How to assist bringing new drugs to patients: role of the European Medicines Agency Laura Fregonese (London, United Kingdom)	3548
09:30	The future of treatment for interstitial lung diseases: the patient's and physician's perspective Michael Kreuter (Heidelberg, Germany), Klaus Geissler (Bietigheim-Bissingen, Germany)	3549
10:00	How to improve diagnosis and care for mesothelioma patients in Europe Joachim Aerts (Rotterdam, Netherlands)	3550

9F

Session 386

08:30 - 10:30

Lungs on Fire: Respiratory infections?

Aims : to explore the real-life challenging clinical cases in the innovative interactive session; to present the cases that have various levels of difficulty and often necessitate a differential diagnosis. This session is led by a discussant that will present the cases to a panel of experts and the audience. The discussant will encourage discussion among the panel of experts, who have never seen the cases, and additionally invite the audience in the reflexion and discussion of the cases presented to explore the various diagnostic and therapeutic options.

Disease(s) : Respiratory infections**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Critical/Intensive care physician, Clinical researcher, General practitioner, Paediatrician, Radiologist, Thoracic surgeon, Nurse, Physiotherapist, Lung function technologist, Trainee**Chairs :** Gernot G.U. Rohde (Frankfurt am Main, Germany), Rosario Menendez Villanueva (Valencia, Spain), Francesco Blasi (Milan, Italy), Michael Loebinger (London, United Kingdom)**Discussants :** Pierre-Régis Burgel (Sorbonne Paris Cité, France)

	Case 1 - Author: Aoife Lillis (United Kingdom)	3552
	Case 2 - Author: Diana Slim (United Kingdom)	3553
	Case 3 - Author: Markus Fally (Denmark)	3554
	Case 4 - Author: Joao Pedro Steinhauser Motta (Brazil)	3555
	Case 5 - Author: Zhengtu Li (China)	3556
	Case 6 - Author: Taeyun Kim (South Korea)	3557
08:30	Introduction and presentation by the session facilitator Pierre-Régis Burgel (Sorbonne Paris Cité, France)	3551

8A Session 387 08:30 - 10:30

Oral presentation: Blood eosinophils and more in airway diseases

Disease(s) : Airway diseases**Method(s) :** General respiratory patient care Public health Cell and molecular biology**Chairs :** Mona Bafadhel (Oxford (Oxfordshire), United Kingdom), Jørgen Vestbo (Manchester (Greater Manchester), United Kingdom)

OA3558	Late Breaking Abstract - Lack of stability of blood eosinophil counts in patients with COPD. Heikki Ekroos (Kerava, Finland), Witold Mazur, Antti Karlsson, Mikko Tuovinen, Tiina Mattsson, Mikko Tukiainen
OA3559	Late Breaking Abstract - The blood eosinophils count as a predictor of the response for omalizumab (OMA) in patients suffering from severe allergic asthma Izabela Kupryś-Lipińska (Łódź, Poland), Paweł Majak, Katarzyna Ewa Tyrak, Joanna Molinska, Zofia Kurmanowska, Aleksandra Żal, Damian Krzyzanowski, Mateusz Jonakowski, Lucyna Mastalerz, Piotr Kuna
OA3560	Late Breaking Abstract - Clinical characteristics and lung function trends of severe eosinophilic asthma patients unresponsive to Mepolizumab Paula Cristina Andrade Almeida (Aracaju (SE), Brazil), Matthew J. Martin, Tina Wilkinson, Glenn Hearson, Tim W. Harrison
OA3561	Late Breaking Abstract - A connected inhaler system improves adherence to fluticasone furoate/vilanterol in asthma Alison Moore (Uxbridge (Middlesex), United Kingdom), Andrew Preece, Raj Sharma, Liam G Heaney, Richard W Costello, Robert Wise, Andrea Ludwig-Sengpiel, Giselle Mosnaim, Jamie Rees, Ryan Tomlinson, Ruth Tal-Singer, Neil Barnes
OA3562	Late Breaking Abstract - Does The High Use Of Oral Antiasthmatics Contribute To The Elevated Burden Of Asthma In India? Raja Dhar (Kolkata (West Bengal), India), Sushmeeta Chhowala, Meena Lopez, Rashmi Hegde, Sapna Madas, Sundeep Salvi, Jaideep Gogtay
OA3563	Late Breaking Abstract - Prolonged azithromycin maintenance treatment in patients with COPD, a follow-up of the COLUMBUS trial Sander Talman (Etten-Leur, Netherlands), Sevim Uzun, Remco Djamin, Sara Baart, Marco Grootenboers, Joachim Aerts, Menno Van Der Eerden
OA3564	Late Breaking Abstract - Temporal relationships of cytokines, chemokines and cellular biomarkers during Human Rhinovirus (HRV) infection in asthmatics Alex Mann (London, United Kingdom), Michael A Ghebre, Alan S Bell

9B Session 388 08:30 - 10:30

Oral presentation: Exercise physiopathology in various respiratory diseases

Disease(s) : Thoracic oncology Airway diseases Pulmonary vascular diseases

Method(s) : Pulmonary function testing Transplantation Physiology Pulmonary rehabilitation Endoscopy and interventional pulmonology General respiratory patient care

Chairs : Michael Furian (Zürich, Switzerland), Andrea Aliverti (Milan, Italy)

- OA3565** **Late Breaking Abstract - Heterogeneity of metabolism and activation in lower limb muscles during exercise in COPD: a preliminary data analysis**
Zafeiris Louvaris (Leuven, Belgium), Antenor Rodrigues, Sofie Dierckx, Sauwaluk Dacha, Wim Janssens, Rik Gosselink, Daniel Langer
-
- OA3566** **Effects of the elastic tape on thoracoabdominal mechanic, dyspnea, exercise capacity and physical activity level in patients with COPD**
Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Thiago Fernandes Pinto, Rafaella Fagundes Xavier, Adriana Lunardi, Cibele Berto, Alberto Cukier, Rafael Stelmach, Regina Carvalho Pinto, Henrique Takashi Moriya, Renato De Lima Vitorasso, Ronaldo Silva, Marcelo Brito Passos Amato
-
- OA3567** **Mechanisms of exertional dyspnoea in COPD and heart failure patients matched by peak aerobic capacity**
Danilo Cortozi Berton (Porto Alegre (RS), Brazil), Fernanda Balzan, Franciele Plachi, Luiz Felipe Fröhlich, Ricardo Gass, Elisa Schroeder, Nathalia Mendes, J Alberto Neder
-
- OA3568** **Determinants of cardiorespiratory fitness in young long-term survivors of hematopoietic stem cell transplantation (HSCT)**
Ole Henrik Myrdal (Oslo, Norway), Phoi Phoi Diep, Ellen Ruud, Lorentz Brinch, Richard J. Massey, Elisabeth Edvardsen, Johny Kongerud, Liv Ingunn Bjoner Sikkeland, May Brit Lund
-
- OA3569** **Mechanisms and consequences of exertional dyspnoea in combined pulmonary fibrosis and emphysema (CPFE)**
J. Alberto Neder (Kingston (ON), Canada), Camila Costa, Carlos Verrastro, Roberta Ramos, Eloara M.V. Ferreira, Marcelle Paula-Ribeiro, Luiz E. Nery, Denis E. O'Donnell, Carlos Alberto Pereira, Jaqueline Ota-Arakaki
-
- OA3570** **Endobronchial valve placement impact on breathing pattern during exercise in patients with severe emphysema**
Cintia de Araujo (Porto Alegre, Brazil), Astrid Blondeel, Antenor Rodrigues, Nina Cardinaels, Karen Denaux, Heleen Demeyer, Christophe Doms, Daniel Langer, Geert Verleden, Wim Janssens, Thierry Troosters
-
- OA3571** **Acute effects of oxygen supplementation during exercise in patients with pulmonary arterial hypertension**
Afroditi Boutou (Thessaloniki, Greece), Konstantina Dipla, Antreas Zafeiridis, Stavros Papadopoulos, Aikaterini Markopoulou, Ioannis Stanopoulos, Georgia Pitsiou
-
- OA3572** **The effect of inhaled nitric oxide on dyspnea and exercise capacity in mild COPD**
Devin Phillips (Edmonton, Canada), Andrew Brotto, Bryan Ross, Tracey Bryan, Eric Wong, Sean Van Diepen, Michael Stickland

6F

Session 389

08:30 - 10:30

Oral presentation: Best abstracts in pulmonary rehabilitation and chronic care

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Pulmonary rehabilitation Physiology Cell and molecular biology

Chairs : Frits M.E. Franssen (Horn, Netherlands), Guido Vaghegini (Volterra (PI), Italy)

- OA3573** **Acute effects of supplemental oxygen therapy (SOT) using different nasal cannulas on walking capacity in patients with idiopathic pulmonary fibrosis (IPF) – a randomized cross-over trial**
Tessa Schneeberger (Schönau am Königssee, Germany), Rainer Gloeckl, Inga Jarosch, Daniela Leitl, Daniela Reimann, Andreas Rembert Koczulla, Klaus Kenn
-
- OA3574** **Effects of a behaviour change intervention aimed at increasing physical activity on clinical control of adults with asthma: an RCT**
Patricia Duarte Freitas (São Paulo (SP), Brazil), Natália F P Passos, Regina M Carvalho-Pinto, Alberto Cukier, Vinicius Cavalleri, Kylie Hill, Rafael Stelmach, Celso R F Carvalho
-
- OA3575** **Effects of lumbar transcutaneous electrical nerve stimulation (TENS) on endurance capacity in patients with COPD: A randomized double-blind cross-over study**
Tristan Bonnevie (Saint Léger Du Bourg Denis, France), Francis-Edouard Gravier, Guillaume Prieur, Yann Combret, David Debeaumont, Maxime Patout, Lamia Bouchra, Catherine Viacroze, Jean-François Muir, Clément Medrinal, Antoine Cuvelier
-
- OA3576** **The responsiveness of skeletal muscle mRNAs to aerobic exercise training is not blunted in COPD**
Lorna Latimer (Rugby (Warwickshire), United Kingdom), Despina Constantin, Bhavesh Popat, Linzy Houchen-Wolloff, Dumitru Constantin-Teodosiu, Charlotte Bolton, Michael Steiner, Paul Greenhaff

OA3577 **What influences the survival advantage following Pulmonary Rehabilitation in patients with COPD?**
Rachael A. Evans (Market Harborough (Leicestershire), United Kingdom), Neil J. Greening, Charlotte E. Bolton, Sally J. Singh, Will De Man, Michael C. Steiner

OA3578 **A 7-year pulmonary rehabilitation maintenance program: Benefits for exercise tolerance, dyspnea and quality of life in patients with obstructive lung disease**
Léo Blervaque (Montpellier, France), Christian Préfaut, Hélène Forthin, Francis Maffre, Matthias Catteau, Pascal Pomiès, Nicolas Molinari, Maurice Hayot, Fares Gouzi

N103

Session 390

08:30 - 10:30

Oral presentation: Basic research of airway diseases

Disease(s) : Airway diseases Thoracic oncology

Method(s) : Pulmonary function testing Physiology Cell and molecular biology General respiratory patient care Public health Epidemiology

Chairs : Joaquim Gea Guiral (Barcelona, Spain), Eleni Papakonstantinou (Thessaloniki, Greece)

OA3579 **Late Breaking Abstract - Day-to-day variability in exhaled breath profiles of asthmatic patients and healthy volunteers challenged with a rhinovirus**
Ariana Lammers (Amsterdam, Netherlands), Laurien Te Nijenhuis, Paul Brinkman, Rianne De Vries, Yennece Dagelet, Erik Duijvelaar, Urs Frey, Rene Lutter, Anke-Hilse Maitland-Van Der Zee, Peter Sterk, Anirban Sinha

OA3580 **Lung microbiota associations with clinical features of COPD in the SPIROMICS cohort**
Yvonne Huang (Ann Arbor, United States of America), Kristopher Opron, John Erb-Downward, Lesa Begley, Neil Alexis, Igor Barjaktarevic, Graham Barr, Eugene Bleecker, Russ Bowler, Stephanie Christenson, Alejandro Comellas, Christopher Cooper, David Couper, Claire Doerschuk, Mark Dransfield, Meilan Han, Annette Hastie, Eric Hoffman, Robert Kaner, Jerry Krishnan, Wanda O'Neal, Robert Paine 3rd, Stephen Peters, Mike Wells, Prescott Woodruff, Fernando Martinez, Jeffrey Curtis, Gary Huffnagle

OA3581 **Lung microbiome dysbiosis is associated with mortality in COPD**
Alison Dicker (Dundee (Angus), United Kingdom), Mike Lonergan, Holly Keir, Christopher Fong, Brandon Tan, Andrew Cassidy, Simon Finch, Hana Mullerova, Jeffrey Huang, Bruce Miller, Ruth Tal-Singer, James Chalmers

OA3582 **The effects of conjugated linoleic acid supplementation on the serum levels of Interleukin-6 and Sirtuin-1 in COPD patients**
Hassan Ghobadi-Marallu (Ardabil, Islamic Republic of Iran), Somaieh Matin, Ali Nemati, Mehran Mesgari-Abbasi, Saeid Ghorbani, Mohammad Reza Aslani

OA3583 **Lung disease diagnostic method based on proteomic analysis of exhaled breath condensate**
Alexey Kononikhin (Moscow, Russian Federation), Kristina Fedorchenko, Mia Kushaeva, Eldar Anaev, Sergey Mitrofanov, Anna Ryabokon, Igor Popov, Vitaliy Barmin, Maria Indeykina, Oleg Pikin, Evgeny Nikolaev, Sergey Varfolomeev, Alexander Chuchalin

OA3584 **YKL-40, IL-8 and IL-6 in clusters of adult-onset asthma**
Pinja Ilmarinen (Seinäjoki, Finland), Leena E Tuomisto, Onni Niemelä, Mari Hämäläinen, Eeva Moilanen, Hannu Kankaanranta

OA3585 **A NMR-based metabolomics approach to the assessment of inhaled pharmacotherapy in patients with COPD**
Paolo Montuschi (Roma (RM), Italy), Alessia Vignoli, Giuseppe Santini, Leonardo Tenori, Francesco Macagno, Giuseppe Macis, Nadia Mores, Tim Higenbottam, Claudio Luchinat

OA3586 **Dysregulation of sputum columnar epithelial cells and products in distinct asthma phenotypes**
Michael Fricker (New Lambton Heights (NSW), Australia), Ling Qin, Jodie Simpson, Katherine Baines, Vanessa McDonald, Lisa Wood, Heather Powell, Peter Gibson

N104

Session 391

08:30 - 10:30

Oral presentation: Cellular metabolism and immune senescence in lung pathology

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology Physiology General respiratory patient care

Chairs : Silke Meiners (München, Germany), Corry-Anke Brandsma (Groningen, Netherlands)

OA3587 **Late Breaking Abstract - Aging impairs alveolar epithelial type II cell function in acute lung injury**
Christina Brandenberger (Bern, Switzerland), Tolga Yazicioglu, Cheng-Kai Huang, Christian Bär, Christian Mühlfeld

OA3588 **Age-related changes in the expression and oxidation of proteins in human respiratory tract lining fluids (RTLFL)**
Andreas Frølich (Umeå, Sweden), Abhinav Kumar, Elif Melis Bicer, Annelie Behndig, Anders Blomberg, Ian Mudway

- OA3589 Mitochondrial dysfunction activates MHC class I adaptive immune responses in lung aging**
Xinyuan Wang (Munich, Germany), Thomas Meul, Ilias Angelidis, Korbinian Berschneider, Sabine Schmitt, Hans Zischka, Christine Von Toerne, Stefanie M. Hauck, Herbert B. Schiller, Silke Meiners
- OA3590 Regulation of mitochondrial transfer between airway smooth muscle cells: relevance to COPD**
Julia Frankenberg Garcia (London, United Kingdom), Judith Mak, Bingling Xu, Li Xia, Christopher Xui, Andrew J Halayko, Kian Fan Chung, Tristan Rodriguez, Charalambos Michaeloudes, Pankaj K Bhavsar
- OA3591 Age-related loss of DUOX1 in the lung: implications for innate injury responses and pulmonary emphysema**
Niki L. Reynaert (Maastricht, Netherlands), Caspar Schiffers, Christopher Dustin, Lennart Lundblad, Milena Hristova, Aida Habibovic, David Seward, Emiel F M Wouters, Albert Van Der Vliet
- OA3592 PTEN deficiency in alveolar type 2 cells accelerates cellular senescence, disrupts epithelial–mesenchymal and mitochondrial homeostasis, and induces age-related emphysema**
Shigehisa Yanagi (Miyazaki, Japan), Ayako Miura, Hironobu Tsubouchi, Ayako Matsuo, Takafumi Shigekusa, Masamitsu Nakazato
- OA3593 Bacteria isolated from lung as biotherapeutics in asthma.**
Muriel Thomas (Jouy en Josas, France), Aude Remot, Jennifer Palomo, Alexandre David-Hachette, Elliot Mathieu, Delphine Descamps, Sabine Riffault, Pascale Serror, Muriel Thomas
- OA3594 Association between shorter telomeres' length and Eotaxin-1 in children with severe asthma, an indicative of accelerated aging.**
FLORENCIA Barbé-Tuana (Porto Alegre, Brazil), Lucas Grun, Paulo Pitrez, Mariana Parisi, Vinícius Pierdoná, Fátima Guma, Leonardo Pinto, Renato Stein, Marcus Jones

6E

Session 392

08:30 - 10:30

Oral presentation: Connective tissue disease-associated interstitial lung disease and hypersensitivity pneumonitis: what's new?

Disease(s) : [Interstitial lung diseases](#)

Method(s) : General respiratory patient care Epidemiology Cell and molecular biology

Chairs : Athol Wells (London, United Kingdom), Vincent Cottin (Lyon, France)

- OA3595 Does anti-acid treatment influence disease progression in SSc-ILD ? data from the German SSc-network**
Michael Kreuter (Heidelberg, Germany), Francesco Bonella, Norbert Blank, Elise Siegert, Jörg Henes, Margitta Worm, Cord Sunderkoetter, Marc Schmalzing, Alexander Kreuter, Claudia Guenther, Laura Susok, Gabriele Zeidler, Ina Koetter, Ulf Mueller-Ladner, Thomas Krieg, Aaron Juche, Tim Schmeiser, Gabriela Riemekasten, Elisabeth Aberer, Noemi Gaebelin-Wissing, Jörg H. W. Distler, Miklos Sárdy, Christiane Pfeiffer, Kathrin Kuhr, Hanns-Martin Lorenz, Pia Moynzadeh, Nicolas Hunzelmann
- OA3596 Minor salivary gland biopsy and dry ocular tests to detect occult Sjögren Syndrome in patients with interstitial pneumonia with autoimmune features**
Santiago Auteri (Rosario (Pcia. Santa Fe), Argentina), Cecilia Garbarino, Maria Guadalupe Blanco, Maria Laura Alberti, Francisco Paulin, Martin Eduardo Fernandez, Gabriel Carballo, Mercedes Rayá, Gabriela Guman, Fabian Matias Caro
- OA3597 IGFBP-2: a new pathway in systemic sclerosis associated interstitial lung disease**
Fanny Gester (Liège, Belgium), Monique Henket, Dominique Deseny, Catherine Moermans, Béatrice André, Michel Malaise, Renaud Louis, Julien Guiot
- OA3598 Disease course and outcome of progressive interstitial lung disease in systemic sclerosis**
Anna Maria Hoffmann-Vold (Oslo, Norway), Yannick Allanore, Margarida Alves, Nicole Graf, Paolo Airò, Lidia P Ananyeva, László Czirják, Serena Guiducci, Eric Hachulla, Mengtao Li, Carina Mihai, Gabriela Riemekasten, Petros Sfikakis, Gabriele Valentini, Otylia Kowal-Bielecka, Oliver Distler
- OA3599 Effects of nintedanib in patients with systemic sclerosis-associated ILD (SSc-ILD) and differing FVC at baseline: the SENSICIS trial**
Toby Maher (St. Albans, United Kingdom), Oliver Distler, Arata Azuma, Aryeh Fischer, Kristin B. Highland, Masataka Kuwana, Maureen D. Mayes, Daniel Wachtlin, Margarida Alves, Martina Gahlemann, Susanne Stowasser, Ganesh Raghu
- OA3600 Clinical utility of CCL15 as a prognostic biomarker for hypersensitivity pneumonitis**
Masako Watanabe (Hiroshima, Japan), Yasushi Horimasu, Hiroshi Iwamoto, Kakuhiro Yamaguchi, Shinjiro Sakamoto, Takeshi Masuda, Taku Nakashima, Shintaro Miyamoto, Shinichiro Ohshimo, Kazunori Fujitaka, Hironobu Hamada, Nobuoki Kohno, Noboru Hattori

- OA3601** **Impact of BAL lymphocytosis and honeycombing presence on corticosteroid treatment effect in Fibrotic Hypersensitivity Pneumonitis**
Laurens De Sadeleer (Leuven, Belgium), Frederik Hermans, Els De Dycker, Jonas Yserbyt, Johny A Verschakelen, Eric K Verbeken, Geert M Verleden, Stijn E Verleden, Wim A Wuyts

N101+102

Session 393

08:30 - 10:30

Oral presentation: Molecular and experimental paediatric lung disease

Disease(s) : Pulmonary vascular diseases Airway diseases

Method(s) : Cell and molecular biology Respiratory intensive care Pulmonary function testing Physiology Imaging

Chairs : Cho-Ming Chao, MD PhD (Giessen, Germany), Robbert J. Rottier (Rotterdam, Netherlands)

- OA3602** **Late Breaking Abstract - Role of β -catenin and Notch signalling in increased airway mucous cell differentiation in asthma**
Virinchi Naga Sarma Kuchibhotla (Groningen, Netherlands), Jane Read, Irene H Heijink, Martijn C Nawijn, Andrew Reid, Darryl A Knight

- OA3603** **The influence of intermittent CPAP on hyperoxic lung injury in a preterm rabbit model of bronchopulmonary dysplasia**
Andre Gie (Leuven, Belgium), Thomas Salaets, Jan Deprest, Jaan Toelen

- OA3604** **The Hippo pathway effectors TAZ and YAP are sequentially required in lung development.**
Hideaki Isago (shibua-ku, Tokyo, Japan), Akihisa Mitani, Shiho Kohno, Hiroyuki Nagoshi, Taro Ishimori, Minako Saito, Hiroyuki Tamiya, Yu Mikami, Masafumi Horie, Hirokazu Urushiyama, Taisuke Jo, Go Tanaka, Ryuji Hamamoto, Yasuhiro Terasaki, Takahide Nagase

- OA3605** **Development of lung function in children born preterm with and without bronchopulmonary dysplasia - a follow-up study at 12 years of age.**
Cecilia Hagman (Lund, Sweden), Lars Björklund, Leif Bjermer, Ingrid Hansen-Pupp, Ellen Tufvesson

- OA3607** **Krüppel-like Factor 4 is a Stat3-Smad2 regulator in AII cells determining AII cell fate during lung development and hyperoxia-induced lung injury**
Jasmine Mohr (Köln, Germany), Manuel Koch, Soula Danopoulos, Lena Ebert, Nikos Oikonomou, Christina Vohlen, Dharmesh Hirani, Denise Al Alam, Bernhard Schermer, Jörg Dötsch, Miguel A. Alejandro Alcazar

- OA3608** **FoxO1 activation protects against IL-6-mediated perinatal metabolic programming of lung micro-vessels**
Vanessa Jentgen (Cologne, Germany), Katharina Dinger, Christina Vohlen, Swati Dabral, Johannes Will, Silke V. Koningsbruggen-Rietschel, Margarete Odenthal, Soni Pullamsetti, Jörg Dötsch, Miguel A. Alejandro Alcazar

- OA3609** **A clinical guide in the structured assessment of CT-imaging in congenital lung abnormalities**
Sergei Hermelijn (Rotterdam, Netherlands), Bernadette Elders, Pierluigi Ciet, René Wijnen, Harm Tiddens, Marco Schnater

6A

Session 395

08:30 - 10:30

Poster discussion: Paediatric tuberculosis

Disease(s) : Airway diseases

Method(s) : Surgery Epidemiology Public health General respiratory patient care Cell and molecular biology Imaging Endoscopy and interventional pulmonology

Chairs : Berit Lange (Freiburg, Germany), Florian Götzinger (Wien, Austria)

- PA3623** **Diagnostic efficiency Diaskintest and Quantiferon test in comparison with the Mantoux test for active tuberculosis in children in Belarus**
Zhanna Kryvasheyeva (Minsk, Belarus), Natalia Morozkina, Dzmitry Zhurkin

- PA3624** **Latent tuberculosis among adult children of immigrant parents from countries with a high incidence of tuberculosis compared to adult children of parents from countries with a low incidence of tuberculosis.**
Dekel Shlomi (Petach Tikva, Israel), Inbal Galor, Anna More, Bernice Oberman, Lizi Fireman

- PA3625** **Study of the tuberculosis activity at spontaneously cured children using skin test with tuberculous recombinant allergen**
Natalya Korneva (St. Petersburg, Russian Federation), Goar Balasaniantc, Marina Yakovleva, Igor Bozhkov, Alexei Elkin

- PA3626** **TB infection in children receiving genetically engineered biologic drugs**
Valentina Aksenova (Moscow, Russian Federation), Nadezda Klevno, Elena Dementjeva, Alexey Kazakov

- PA3627** **OPPORTUNITIES FOR PREVENTIVE TREATMENT OF CHILDREN WITH LATENT TUBERCULOSIS INFECTION FROM FOCUS WITH MDR-TB**
Valentina Aksenova (Moscow, Russian Federation), Nadezda Klevno, Alexey Kazakov, Aziza Pakhlavonova

- PA3628 On the question of the choice of indications for TB surgery in children**
Irina Petrakova (Moscow, Russian Federation), Marina Gubkina, Mamed Bagirov, Yuriy Berezovsky, Larisa Lepekha
-
- PA3629 Evaluation of SPECT with 99mTc-technethril in detection of activity and prevalence of the tuberculosis process in children**
Stanislav Mikhaylov (Moscow, Russian Federation), Stanislav Mikhaylov, Natalya Yukhimenko, Natalya Karpina, Rasul Amansakhedov
-
- PA3630 The set of immunological tests for detection of active tuberculosis in children with latent infection**
Mikhail Vladimirsky (Moscow, Russian Federation), Valentina Aksenova, Sergey Smerdin, Nelli Khabibullina, Anastasia Samoilova
-
- PA3631 Discrepancy between the results of immunological tests in children with tuberculosis infection**
Natalya Korneva (St. Petersburg, Russian Federation), Anastasiya Vtulkina, Christina Kazarina, Olga Zakharova, Igor Bozhkov, Alexei Elkin
-
- PA3632 EBUS-TBNA in a paediatric population in London**
Harriet Owles (London, United Kingdom), Mirae Park, Elizabeth Whittaker, Amanda Williams, Banu Williams, Onn Min Kon
-
- PA3634 Tuberculosis in children from contact with relatives affected by tuberculosis**
Larissa Gorbach (Minsk, Belarus)
-
- PA3635 How to conduct a screening of tuberculosis in children with a household contact**
Besma Hamdi (Manouba oued ellil, Tunisia), Ines Moussa, Sabrine Louhaichi, Ikbell Khalfallah, Nour Mbarek, Malek Zoghلامي, Jamel Ammar, Agnes Hamzaoui
-
- PA3636 Drug resistance of Nontuberculous mycobacteria in Siberia**
Olga Alkhovik (Novosibirsk, Russian Federation), Tatiana Petrenko, Ivan Meshkov

6B

Session 396

08:30 - 10:30

Poster discussion: Pulmonary embolism: from diagnosis to prognosis and treatment**Disease(s) :** Pulmonary vascular diseases Respiratory critical care**Method(s) :** General respiratory patient care Respiratory intensive care Physiology Epidemiology Imaging Endoscopy and interventional pulmonology**Chairs :** Sheila Ramjug (Altrincham, United Kingdom), David Jiménez Castro (Madrid, Spain)

- PA3637 Late Breaking Abstract - Frequency Pulmonary embolism (PE) in patients with an acute Exacerbation of chronic obstructive Pulmonary disease (COPD). PEP prospective trial.**
Francis Couturaud (Brest, France), Laurent Bertoletti, Olivier Sanchez, Raphael Le Mao, Pierre Marie Roy, Frédéric Gagnadoux, Nicolas Paleiron, Jeannot Schmidt, Jean Pastre, Elodie De Magalhaes, Yannick Auffret, Clément Hoffmann, Luc Bressollette, Michel Nonent, Pierre Yves Salaun, Patrick Mismetti, Philippe Girard, Karine Lacut, Catherine Lemarié, Cécile Tromeur, Guy Meyer, Christophe Leroyer
-
- PA3638 The impact of implementing a modified YEARS algorithm on the diagnosis of pulmonary embolism**
T. K. Lim (Singapore, Singapore), J. W. Zhang, Y. G. Goh
-
- PA3639 Incorporating age adjusted d-dimer limit in place of differential cut-off in YEARS algorithm. Does it help to reduce CTPA burden?**
Ahsan Zahid (Stoke-on-Trent, United Kingdom), Asif Azam, Qaiser Abdullah, Imran Hamigi, Aaditya Kodamanchile, Sowmya Ekhelihar, Muhammad Badar Ganaie
-
- PA3640 Streamlining diagnostic work-up of pulmonary embolism: Comparing YEARS algorithm with original and simplified Well's scores**
Ahsan Zahid (Stoke-on-Trent, United Kingdom), Asif Azam, Qaiser Abdullah, Imran Hamigi, Aaditya Kodamanchile, Sowmya Ekhelihar, Muhammad Badar Ganaie
-
- PA3641 Can implementation of the pulmonary embolism rule-out criteria (PERC) safely reduce D-dimer and CTPA requests in a two-tier Wells model?**
Hann Hsiang Tan (Newport, United Kingdom), Hui Li Ang, Alina Ionescu
-
- PA3642 Assessment of myocardial injury in low-risk acute pulmonary embolism**
David Jiménez Castro (Madrid, Spain), Andrés Quezada, José Luis Lobo, Raquel Morillo, Esther Barbero, Diana Chiluiza, Edwin Mercedes, Francisco León, Deisy Barrios, Roger Yusen
-
- PA3643 Modification of the simplified PESI score to identify low risk patients with acute symptomatic pulmonary embolism**
Diana Paulina Chiluiza Reyes (Madrid, Spain), Esther Barbero, Andrés Quezada, Edwin Mercedes, Francisco León, David Jiménez

- PA3644** **Syncope is a risk marker in Pulmonary Embolism (PE) with a low risk clinical profile (sPESI:0)**
Koral Fernandez De Roiteguy Perez (Vitoria, Spain), Jose Luis Lobo Beristain, Igor Murga Arizabaleta, Cristina Bermudez Ampudia, Ana Maestre, Fernando Garcia Bragado, Remedios Otero, Maria Luisa Peris, Juan Jose Lopez Núñez, Peter Verhamme, Manel Monreal, Riete
-
- PA3645** **Prevalence of pulmonary embolism in patients with isolated syncope in the emergency department: the PEEPS multicenter prospective cohort study.**
Yonathan Freund (Paris, France), Anne Laure Philippon, Anne Laure Feral-Pierssens, Clara Damas Perrichet, Samia Boussouar, Victoria Donciu, Marine Cachanado, Pierre Alexis Raynal
-
- PA3646** **Refining risk in normotensive acute pulmonary embolism**
Kevin Solverson (Calgary (AB), Canada), Christopher Humphreys, Zhiying Liang, Paul Boiteau, Andre Freland, Eric Herget, James Andruwchow, Nowell Fine, Doug Helmersen, Jason Weatherald
-
- PA3647** **Association between risk stratification for pulmonary embolism and deep vein thrombosis of lower extremities**
Hong Chen (Chongqing (Chongqing), China), Xiaohui Wang
-
- PA3648** **Presentation and clinical evolution of Pulmonary Embolism in patients with Mental Disorders**
Clara Martin Ontiyuelo (Sant Cugat del Vallès (Barcelona), Spain), Oswaldo Antonio Caguana Vélez, Anna Herranz Blasco, Antonio Sancho Muñoz, Lluís Molina Ferragut, Raúl Millán Segovia, Antonia Vazquez Sanchez, Oriol Pallas Villaronga, Meritxell Mellado Joan, Fernando Fernández Alarza, Carmen Jiménez Martínez, Joan Ramón Masclans Enviz, Cristina Estirado Vera, Diego Agustin Rodriguez Chiaradía
-
- PA3649** **COPD is an independent risk factor for in-situ pulmonary artery thrombosis**
Pierluigi Intiglietta (Bari (BA), Italy), Maria Peragine, Paolo Buonamico, Giorgio Castellana, Onofrio Resta
-
- PA3650** **Factors related to hospital stay of patients with pulmonary thromboembolism**
Jacinto Hernandez Borge (Badajoz, Spain), Luis Miguel Sierra Murillo, Kaoutar El Boutaibi Faiz, Pilar Cordero Montero, Ana Castañar Jover, Maria Teresa Gomez Vizcaino, Amparo Sanz Cabrera, Francisca Lourdes Marquez Perez
-
- PA3651** **Effectiveness of the tromboembolic venous disease treatments estimated through clinical trials vs. observational studies**
Esther Barbero Herranz (madrid, Spain), Claudia Coscia, Ana Jaureguizar, Carlos Andrés Quezada, Alfonso Muriel, Manuel Monreal, Tomás Villén, Diana Chiluzia, Joger Yusen, David Jiménez
-
- PA3652** **Half-dose thrombolysis for intermediate-high risk pulmonary embolism: Case series from a London hospital**
Rishi Gupta (London, United Kingdom), Keir Philip, Tim Harris
-
- PA3653** **Should thrombolysis and sildenafil be given in the acute management of patients with large pulmonary embolism? An assessment of the short and long-term outcomes.**
Natalie Hill (london, United Kingdom), Nordita Bascon, Natalie Barnes, Brendan Madden
-
- PA3654** **Rivaroxaban versus standard anticoagulation for the treatment of pulmonary embolism: a real-life study**
Clara Vigneron (Paris, France), Alexandre Vivot, Matthieu Jamme, Aude Gibelin, Guillaume Briend, Jean Pastré, Benjamin Planquette, Guy Meyer, Olivier Sanchez

6C

Session 397

08:30 - 10:30

Poster discussion: Biology of lung cancer

Disease(s) : Thoracic oncology Interstitial lung diseases

Method(s) : Endoscopy and interventional pulmonology Cell and molecular biology Epidemiology Physiology General respiratory patient care

Chairs : Rudolf M. Huber (Munich, Germany), Isabelle Opitz (Zurich, Switzerland)

- PA3655** **Influence mesenchymal stem cells on aneuploidy of the tumor cells of Lewis lung carcinoma**
Tetiana Nikolaienko (Kyiv, Ukraine), Liudmyla Garmanchuk, Olena Dzhus, Larisa Kladnytska
-
- PA3656** **Targeting Tryptophan metabolism pathway as a therapeutic strategy for non-small cell lung cancer**
Er Jin, Yiwei Li, Xuefeng Chen, Shenglin Ma
-
- PA3657** **Effect of 14-3-3 protein induction on oncogenic potential of BEAS-2B bronchial epithelial cells**
Rhys Hamon (Adelaide, Australia), Carl Coolen, Paul Reynolds, Stuart Pitson, Joanna Woodcock
-
- PA3658** **Macrophage immunophenotypic and monocyte activation markers in the immune response in lung cancer**
Iwona Kwiecień (Warszawa, Poland), Elżbieta Rutkowska, Małgorzata Polubiec-Kownacka, Piotr Rzepecki, Joanna Domagała-Kulawik

- PA3659** **Difference of Copy number variation in the blood between patients with lung cancer and control**
Yeonjeong Heo (Chuncheon, Republic of Korea), Jeongwon Heo, Yoonki Hong, Seon-Sook Han, Hyun Sub Cheong, Woo Jin Kim
- PA3660** **Expression of tumor necrosis factor receptor 2 in human non-small cell lung cancer and its role as a potential prognostic biomarker**
Yanwen Zhang (Tianjin, China), Qianqian Chen, Jie Chao, Jing Zhang, Lixia Dong
- PA3661** **Prognostic Significance of Hematologic Biomarkers in Small Cell Lung Cancer: a Meta Analysis and Systematic Review**
Carla Emille Barbon (MANILA, Philippines), Rogelio Velasco, Danielle Benedict Sacdalan, Norman Maghuyop
- PA3662** **Identification of genes with diagnostic and prognostic value in lung cancer.**
Esperanza Salcedo Lobera (Málaga, Spain), Macarena Arroyo Varela, Rafael Larrosa Jiménez, Rocío Bautista Moreno, José Luis De La Cruz Ríos, Manuel Gonzalo Claros Díaz
- PA3663** **Changes in the pulmonary microbiome associated with lung cancer**
Jose Javier Vengoechea (Zaragoza, Spain), Manuel Ponce-Alonso, Ana Lucía Figueredo, Elisa Micholé, Laura Torralba, Javier Errasti, Elisabet Vera, Antonio Rezusta, Rosa Del Campo, Salvador Bello
- PA3664** **Non-classical monocytes potentiates the pathogenesis of malignant pleural effusion via the production of IL-1B**
Lisha Luo (Changsha, China), Xiaozhao Li, Xinyue Hu, Pengbo Deng, Wei Tang, Shuanglinzi Deng, Chengping Hu, Juntao Feng
- PA3665** **FGFR1-4 and MET expression analysis and evaluation of reliable reference genes in Sq-NSCLC**
Joanna Moes-Sosnowska (Warsaw, Poland), Ewa Szczepulska-Wojcik, Adriana Rozy, Stefan Rudzinski, Renata Langfort, Piotr Rudzinski, Tadeusz Orłowski, Joanna Chorostowska-Wynimko
- PA3666** **NRG1 Fusion-Positive Lung Cancers: Clinicopathologic Profile and Treatment Outcomes from a Global Multicenter Registry**
Michael Duruisseaux (Grenoble, France), Alexander Drilon, Ji-Youn Han, Valérie Gounant, Jin-Yuan Shih, Alison M. Schram, Fanny Magne, Isabelle Monnet, Denis Moro-Sibilot, Torsten G. Blum, Tejas Patil, Robert Doebele, D. Ross Camidge, Lucia Anna Muscarella, Stephen V. Liu, Jacques Cadranel
- PA3667** **Mast cells act as partners in tumour cells metastasis to promote angiogenesis via exosomes**
Hui Xiao (Shanghai, China)
- PA3668** **Effects of ASCL1 expression on tumorigenesis and immune cell infiltration in a syngenic mouse model of lung adenocarcinoma**
Naoya Miyashita (Tokyo, Japan), Masafumi Horie, Yu Mikami, Hirokazu Urushiyama, Kensuke Fukuda, Kosuke Makita, Hirotaka Matsuzaki, Akira Saito, Takahide Nagase
- PA3669** **Lung cancer characteristics in never smokers. Results from the LCRINS study.**
Ana Casal (vigo, Spain), María Torres, Isaura Parente, Mariano Provencio, Antonio Golpe, Carmen Montero, Iria Vidal, Virginia Leiro, Cristina Martínez, Olalla Castro, Alberto Fernández, Luis Valdés, Alberto Ruano
- PA3670** **Exosomes form EGFR-mutated adenocarcinoma induce tumour invasion**
Amina JOUIDA (Dublin, Ireland), Elisabetta Crisetti, Cormac Mccarthy, Aurelie Fabre, Karl Mcauley, Alan Kelly, Marissa Ocallaghan, Michael Keane
- PA3671** **A549 cell promotes the proliferation and migration of fibroblast through FXR pathway**
Handong Jiang (Shanghai, China), Fangfang Wang

6D

Session 398

08:30 - 10:30

Poster discussion: Innovative approaches for management and treatment of rare diffuse parenchymal lung diseases

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#)

Method(s) : Cell and molecular biology Pulmonary function testing Imaging General respiratory patient care Epidemiology Transplantation Endoscopy and interventional pulmonology

Chairs : Raphaël Borie (Paris, France), Maria Kokosi (London, United Kingdom)

PA3672 **A characterisation of patients with Antisynthetase Syndrome>**
Emily Heiden (Winchester (Hampshire), United Kingdom), Vanessa Titmuss, Suresh Babu

PA3673 **Radiological and clinical specific features of anti-synthetase syndrome : a retrospective analytic study**
Quentin Maloir (Liège, Belgium), Fanny Gester, Jean-Louis Corhay, Renaud Louis, Julien Guiot

- PA3674 Prognostic impact and clinical characteristics of Interstitial Pneumonia with Autoimmune features (IPAF) in a multidisciplinary setting**
Claudia La Carrubba (milano, Italy), Lorenzo Cavagna, Emiliano Marasco, Giovanni Zanframundo, Adele Valentini, Valentina Morandi, Veronica Codullo, Lorenzo Volpiano, Francesca Motta, Carlomaurizio Montecucco, Federica Meloni
- PA3675 Analysis of multicentric Castleman's disease with pulmonary involvement: A single center study**
Masako Amano (Saitama-shi, Japan), Hiroki Ohta, Gen Kida, Yuta Tsukahara, Emiri Tsumiyama, Kenji Kusano, Tomotaka Nishizawa, Tomohiro Ohba, Hideaki Yamakawa, Rie Kawabe, Shintaro Sato, Keiichi Akasaka, Hidekazu Matsushima
- PA3676 Pulmonary light chain deposition disease: a retrospective analysis of 11 cases**
Misbah Baqir (Rochester, United States of America), Teng Moua, Darin White, Ryu Jay
- PA3677 Lung involvement in common variable immunodeficiency (CVID): a case series**
Ana Catarina Alves Moreira (Lisboa, Portugal), Carina Lopes, Natália Melo, Hélder Bastos, Patrícia Mota, António Morais
- PA3678 Pleuroparenchymal fibroelastosis - clinical analysis of 22 cases**
Joao Pires Parreira (Angra do Heroísmo (Terceira Acores), Portugal), Carina Santos, Marcos Oliveira, Natália Melo, Patrícia Mota, Hélder Bastos, José Miguel Pereira, Conceição Souto Moura, António Morais
- PA3679 Clinical and pathological features of idiopathic and secondary pleuroparenchymal fibroelastosis in patients undergoing lung transplantation**
Naoya Ikegami (Kyoto, Japan), Naoki Nakajima, Kiminobu Tanizawa, Akihiko Yoshizawa, Tomohiro Handa, Toyofumi Chen-Yoshikawa, Takeshi Kubo, Akihiro Osumi, Yoshito Yamada, Masatsugu Hamaji, Daisuke Nakajima, Yojiro Yutaka, Satona Tanaka, Kizuku Watanabe, Yoshinari Nakatsuka, Yuko Murase, Tomoko Nakanishi, Takafumi Niwamoto, Kazuo Chen, Hiroshi Date, Toyohiro Hirai
- PA3680 The natural history of Pulmonary Alveolar Proteinosis (PAP): data from the Italian National Reference Center**
Ilaria Campo (Pavia (PV), Italy), Sara Lettieri, Davide Piloni, Annalisa De Silvestri, Elena Salvaterra, Michele Zorzetto, Alessandra Corino, Federica Meloni, Francesca Mariani
- PA3682 Correlation between imaging fibrosis severity and bronchoalveolar lavage pattern in interstitial lung disease**
Besma Dhahri-Ourari, Rana Fessi, Haifa Zaibi, Mariem Ferchichi, Nouha Guediri, Asma Jarrar, Jihen Ben Amar, Hichem Aouina
- PA3683 Clinical features and outcome of adult patients with pulmonary Langerhans cell histiocytosis**
Elżbieta Radzikowska (Warszawa, Poland), Elżbieta Wiatr, Katarzyna Błasińska-Przerwa, Maria Jeśkiewicz, Reanta Langfort, Beata Maksymiuk, Katarzyna Modrzewska, Iwona Bestry, Monika Załęska, Janusz Szopinski, Agnieszka Jerzemska, Marek Ochman, Wojciech Naumnik, Dariusz Jastrzębski, Wojciech Piotrowski, Kazimierz Roszkowski-Słiż
- PA3684 Pulmonary Hypertension in Pulmonary Langerhans Cell Histiocytosis: prevalence and the role of Cardiopulmonary Exercise Testing and echocardiogram in predicting it**
Glaucia Itamaro Heiden (São Paulo (SP), Brazil), Juliana Barbosa Sobral, José Leonidas Alves Jr, João Marcos Salge, Andre Luís Albuquerque, Caio Júlio Cesar Fernandes, Ronaldo Kairalla, Carlos Roberto Ribeiro Carvalho, Rogério Souza, Bruno Guedes Baldi
- PA3685 Vascular endothelial growth factor (VEGF) is a predictable marker for FEV1 progression in patients with Lymphangiolyomyomatosis (LAM).**
Julia Freise (Hannover, Germany), Merle-Sophie Klingenberg, Jan Fuge, Tobias Welte
- PA3686 KCa3.1 ion channel is expressed by component cells of lymphangioliomyomatosis (LAM) nodules**
Shams-un-nisa Naveed (Leicester, United Kingdom), Debbie Clements, Simon Johnson, Katy Roach, Peter Bradding
- PA3687 Long-term sirolimus treatment in lymphangioliomyomatosis**
Eva Revilla Lopez (Barcelona, Spain), Cristina Berastegui, Berta Saez, Alejandra Mendez, Manuel Lopez Meseguer, Irene Sansano, Susana Gomez Olles, Antonio Roman
- PA3688 Subclinical right ventricular dysfunction in fibrotic interstitial lung diseases: a combined assessment by speckle tracking and three-dimensional echocardiography**
Angelo Canora (Napoli (NA), Italy), Agostino Buonauro, Pasquale Dolce, Carmine Nicoletta, Giacomo Ghinassi, Emanuele Ciasullo, Alessandro Sanduzzi Zamparelli, Maurizio Galderisi, Marialuisa Bocchino

7B

Session 399

08:30 - 10:30

Poster discussion: Hot topics in noninvasive ventilation

Disease(s) : [Interstitial lung diseases](#) [Respiratory critical care](#) [Sleep and breathing disorders](#) [Airway diseases](#)Method(s) : [Respiratory intensive care](#) [General respiratory patient care](#) [Epidemiology](#) [Pulmonary function testing](#) [Public health](#)Chairs : [Nicholas Hart \(London, United Kingdom\)](#), [Christoph Fisser \(Regensburg, Germany\)](#)

- PA3689 Feasibility of NIV initiation at home in patients with COPD**
Gerrie Bladder (Groningen, Netherlands), Trinette Blijham, Hans Aa Van Der , Jellie Nieuwenhuis, Peter Wijkstra, Marieke Duiverman
-
- PA3690 Telemonitoring of home non-invasive-ventilated patients in a Brazilian public health system**
Claudia Simeire Albertini (São Paulo (SP), Brazil), Ruy Pires, Laerte Honorato, Vinicius Pafumi, Ana Almeida, Gerardo Ferrero
-
- PA3691 Effect of 1-year treatment of Dextrometorfan/Quinidine (DMQ) in respiratory problems management in ALS.**
Santos Ferrer Espinosa (Valencia, Spain), Jesús Sancho, Enric Burés, Teresa Torrecilla, Emilio Servera
-
- PA3692 Impact of leaks on respiratory effort during sleep in patients treated by Non Invasive Ventilation**
Olivier Contal (Boudry, Switzerland), Jean-Christian Borel, Nathalie Arnol, Kébir Sabil, Jean-Louis Pépin, Jean-Paul Janssens
-
- PA3693 Is outpatient control of long-term noninvasive ventilation feasible in COPD patients?**
Sarah Schwarz (Köln, Germany), Jens Callegari, Christine Hamm, Wolfram Windisch, Friederike Magnet
-
- PA3694 Acute NIV in presumed ECOPD without previous spirometry.**
Nicholas Lane (Newcastle Upon Tyne, United Kingdom), Tom Hartley, John Steer, Mark Elliott, Milind Sovani, Helen Curtis, Elizabeth Fuller, Patrick Murphy, Dinesh Shrikrishna, Keir Lewis, Neil Ward, Christopher Turnbull, Victoria Ferguson, Nicholas Hart, Stephen Bourke
-
- PA3695 Applicability of different comorbidities scores in chronic mechanical ventilation**
Daniel López-Padilla (Madrid, Spain), Soledad López Martín, Elena Ojeda Castillejo, José Rafael Terán Tinedo, Elena R. Jimeno, Alicia Cerezo Lajas, Beatriz Recio Moreno, Christian Castro Riera, Virginia Gallo González, Zichen Ji, Luis Puente Maestu
-
- PA3696 Evaluation of an aerosol-based humidifier in neuromuscular patients on chronic ventilatory support**
Rita Priori (Eindhoven, Netherlands), Pascal de Graaf, Marcel Mulder, Mareike Klee, Peter Wijkstra, Anda Hazenberg
-
- PA3697 Home non-invasive ventilation (NIV) for chronic obstructive pulmonary disease (COPD) after hypercapnic exacerbation: does local practice reflect evidence?**
John Seymour (Farnham, United Kingdom), John Seymour, Iain Wheatley, Elizabeth Spillan-Ind
-
- PA3698 Noninvasive ventilation for acute respiratory failure: pressure support ventilation versus pressure controlled ventilation**
Sunghoon Park (Anyang, Republic of Korea), Jae Hwa Cho
-
- PA3699 The generalisability of the results of RCTs investigating NIV in COPD**
Kathryn Le Grice (London, United Kingdom), Neeraj M Shah, Catey Bunce, Akanksha Mimi Malhotra
-
- PA3700 Importance of Sniff Nasal Pressure (SNIP) as predictor of nocturnal respiratory function in amyotrophic lateral sclerosis (ALS)**
Grazia Crescimanno (Palermo (PA), Italy), Francesca Greco, Maria Canino, Manuela Bertini, Mario Spatafora, Oreste Marrone
-
- PA3701 Bench study evaluation of ventilator behavior with different humidification conditions during noninvasive home ventilation**
Astrid Bertier (Rouen, France), Emeline Fresnel, Adrien Kerfourn, Antoine Cuvelier, Maxime Patout
-
- PA3702 Home mechanical ventilation in chronic respiratory failure: 10-year mortality**
Esther Irene Schwarz (Zürich, Switzerland), Mike Mackie, Nick Weston, Laura Tincknell, Gurpreet Beghal, Michael Cheng, Michelle Ramsay, Eui-Sik Suh, Georgios Kaltsakas, Hina Pattani, Philip Marino, Patrick Murphy, Nicholas Hart, Jörg Steier
-
- PA3703 Nasal high-Flow (NHF) improves ventilation in patients with interstitial lung disease (ILD)**
Jens Bräunlich (Leipzig, Germany), Hubert Wirtz
-
- PA3704 Home Mechanical ventilation in the Netherlands. What is the reason for not starting non-invasive ventilation at home?**
Ries J.M. van den Biggelaar (Galder, Netherlands), Anda Hazenberg, Micheal A. Gaytan, Nicole A.M. Cobben, Karin M. Vermeulen, Peter J. Wijkstra
-
- PA3705 Non-invasive Ventilation Compliance and Survival Trends in Motor Neurone Disease**
Holly Van Ristell (Coventry, United Kingdom), Edward Parkes, Joanna Shakespeare, Abigail Bishopp, Asad Ali, David Parr
-
- PA3706 Timing of EFL Treatment in Patients using a Non-Invasive Ventilator**
Chuck Cain (Pittsburgh, United States of America), Mike Kissel, Jim Mckenzie, Bob Romano

RETIRO

Session 400

08:30 - 10:30

Poster discussion: Asthma treatment: novel insights from clinical studies

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Pulmonary function testing Endoscopy and interventional pulmonology Cell and molecular biology Epidemiology

Chairs : Fabio L. M. Ricciardolo (Orbassano (TO), Italy), Imran Satia (Hamilton (ON), Canada)

- PA3707 Late Breaking Abstract - Dose-dependent inactivation of airway tryptase with a novel dissociating anti-Tryptase antibody (MTPS9579A) in healthy volunteers**
Tracy Staton (Stanford, United States of America), Siddharth Sukumaran, Sharon Rymut, Gizette Sperinde, Meire Bremer, Verena Steffen, Prajna Banerjee, Fang Cai, Jordan Smith, Horace Rhee, Paula Belloni, Joseph Lin
- PA3708 Late Breaking Abstract - An assessment of potential predictive biomarkers for the treatment of severe eosinophilic asthma with CRTH2 antagonists**
YUAN YE (OXFORD, United Kingdom), Rahul Shrimanker, Paul Batty, Katie Borg, Clare Connolly, Samantha Thulborn, Jennifer Cane, Gareth Hynes, Timothy Hinks, Jan Steiner, Shan Vinall, Mick Hunter, Roy Pettipher, Luzheng Xue, Ian D Pavord
- PA3709 Late Breaking Abstract - Multiple ascending dose study of the inhaled IL-4Ra antagonist, AZD1402/PRS-060, in mild asthmatics demonstrates robust FeNO reduction and a promising clinical profile for the treatment of asthma**
Ingmar Bruns (New York, United States of America), Mary Fitzgerald, George Mensing, Mei Tsung, Katerina Pardali, Philip Gardiner, David Keeling, Lena Axelsson, Marita Olsson, Cyrus Ghobadi, Oscar Walsh, Kristi Mclendon, Nicholas Farinola, Lara Hatchuel, David Close
- PA3710 Late Breaking Abstract - The impact of regular bisoprolol on recovery with salbutamol in asthma; a double-blind randomised controlled trial**
Miriam Bennett (manchester, United Kingdom), Bob Hancox, Cat Chang, Chris Tuffery, Sandra Hopping
- PA3711 Late Breaking Abstract - Difference in clinical outcomes between smoking and non-smoking asthma patients who initiated an ICS or ICS/LABA treatment**
Konstantinos Kostikas (Ioannina, Greece), Emil Loeffroth, Ioannis Kottakis, Paul Mcgettigan, Martin Mesharry, Hui Cao
- PA3712 Phase 1 trial of a novel chemokine inhibitor**
Andreas Renner (Wien, Austria), Katharina Marth, Helmut Schmutz, Julia Romanova, Boris Ferko, Wolfgang Pohl
- PA3713 Markers of eosinophilic inflammation are associated with response to the DP2 antagonist GB001 in patients with mild atopic asthma**
Hector Ortega (San Diego, United States of America), Mary Fitzgerald, Kartik Raghupathi, Cindyann Tompinks, Dave Singh
- PA3714 Efficacy and safety of VR475 (budesonide suspension delivered by the VR475 Inhalation System) as add-on treatment in patients with severe asthma (CLEARCUT Study)**
Tim Harrison (Nottingham (Nottinghamshire), United Kingdom), Julie Young, Alison Scrimgeour, Sally Du Toit, Raulin Surujbally, Gary Burgess
- PA3715 Exacerbation risk after night-time waking due to asthma in SYGMA 1**
Helen Reddel (Sydney, Australia), Eric D. Bateman, J. Mark Fitzgerald, Peter J. Barnes, Nanshan Zhong, Rosa Lamarca, Margareta Puu, Vijay Alagappan, Glenn Whelan, Paul M. O'Byrne
- PA3716 Number needed to treat (NNT) to have an additional patient free from a severe or moderate/severe exacerbation: post-hoc analysis of SYGMA 1 in mild asthma**
J. Mark FitzGerald (Vancouver (BC), Canada), Paul M. O'Byrne, Eric D. Bateman, Peter J. Barnes, Nanshan Zhong, Vijay Alagappan, Glenn Whelan, Rosa Lamarca, Margareta Puu, Helen K. Reddel
- PA3717 Bronchial Thermoplasty Global Registry: Two Year Results**
Alfons Torrego Fernandez (Barcelona, Spain), Felix Herth, Ana Maria Munoz, Luis Puente, Paola Benedetti, Nicola Facciolongo, Stephen Bicknell, Mauro Novali, Stefano Gasparini, Martina Bonifazi, Keertan Dheda, Felipe Andreo, Jiří Vortuba, David Langton, Javier Flandes, David Fielding, P. I. Bonta, Dirk Skowasch, Christian Schulz, Kaid Darwiche, Frances Nolan, Robert Niven
- PA3718 Bronchial Thermoplasty leads to rapid and persistent improvements in airway remodeling**
Richard Russell (Nuneaton (Warwickshire), United Kingdom), Michel Aubier, Marina Pretolani, Michel Laviolette, Jamila Chakir, Peter Bonta, Jouke Annema, Peter Howarth, Pascal Chanez, Rekha Chaudhuri, Amisha Singapuri, Latifa Chachi, Daiana Stolz, Desiree Schumann, Mario Castro, Christopher Brightling
- PA3719 Effect of extrafine medium strength (MS) ICS-containing triple therapy on exacerbations in asthmatics with persistent airflow limitation: A post-hoc analysis of the TRIMARAN study**
Johann Christian Virchow (Rostock, Germany), Pierluigi Paggiaro, Walter Giorgio Canonica, Piotr Kuna, Maxim Kots, Sandrine Corre, Andrea Vele, George Georges, Stefano Petruzzelli

PA3720	Indacaterol/glycopyrronium/mometasone furoate combination consistently shows lung function benefits in patients with asthma Kenneth R. Chapman (Toronto (ON), Canada), Henrik Watz, Jutta Beier, Dave Singh, Jens M. Hohlfeld, Zuzana Diamant, Veronika Scholz, Arnab Sarkar, Ieuan Jones, Ruobing Li, Pascale Pinot, Hanns-Christian Tillmann
PA3721	Are SABA-reliant asthma patients receiving adequate ICS therapy? A nationwide cohort study in Sweden (HERA) Magnus Ekström (Lyckeby, Sweden), Brights Nwaru, Lars Pål Hasvold, Fredrik Wiklund, Gunilla Telg, Christer Janson
PA3722	Efficiency of extrafine beclometasone dipropionat/formoterol fumarate in asthma patients with cold and/or osmotic airway hyperresponsiveness (AHR) Juliy M. Perelman (Blagoveshchensk (Amur Oblast), Russian Federation), Anna G. Prikhodko, Ekaterina Y. Kochegarova, Larisa Y. Oshur, Evgeniya Y. Afanaseva
PA3723	Which traits to target in asthma? Importance of treatable traits varies depending on desired outcome James Fingleton (Wellington, New Zealand), Jo Hardy, Christina Baggott, Saras Mane, Mark Weatherall, Richard Beasley
PA3724	Exploratory trial on cough reflex sensitivity in patients with acute cough during URTI and post recovery. Caroline Wright (Cottingham, United Kingdom), Susannah Thackray-Nocera, Alyn Morice

No Room	Session	09:00 - 12:00
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Game Zone: GAME ZONE - SESSION 7

09:00	Bronchoscopy Haizea Alvarez Martinez (Getxo (Vizcaya), Spain)
09:00	Chest drain placement Juan A. Cascón Hernández (Salamanca, Spain)
09:00	Cryobiopsy Luca Morandi (Ferrara (FE), Italy)
09:00	Endobronchial valve placement Rein Posthuma (Maastricht, Netherlands)
09:00	Inspiratory muscle training Roberto Martinez Alejos (Montpellier, France)
09:00	Rigid bronchoscopy Nazanin Farahbakhsh (Tehran, Islamic Republic of Iran)
09:00	Spirometry Jake Erwin (Manchester, United Kingdom)
09:00	Thoracic ultrasound Suhani Patel (London, United Kingdom)
09:00	Tracheal intubation Malek Chaabouni (Sfax, Tunisia)

8B	Session 406	10:45 - 12:45
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Endoscopy session: Interventional pneumology: live out of the box round two

Aims : to describe and demonstrate various endoscopic techniques with live commentary and an expert-led question-and-answer session.

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Pathologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Daiana Stolz (Basel, Switzerland), Daniela Gompelmann (Heidelberg, Germany)

10:45	Bronchial rheoplasty: a new option for chronic bronchitis Arschang Valipour (Wien, Austria)	3741
11:15	Targeted lung denervation: interventions in moderate COPD patients Felix J.F. Herth (Heidelberg, Germany)	3742

11:45	Endobronchial coil treatment in emphysema Dirk-Jan Slebos (Groningen, Netherlands)	3743
12:15	Pleural procedures including medical thoracoscopy Nick Maskell (Bristol (Avon), United Kingdom)	3744

7A Session 407 10:45 - 12:45

Symposium: State of the art session: Paediatric respiratory diseases

Aims : to provide clinicians with practical take-home messages regarding the key management and health policy issues related to the respiratory health of children and young people; to provide an update on four important topics in paediatric respiratory medicine.

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#) [Paediatric respiratory diseases](#)

Method(s) : Epidemiology General respiratory patient care Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Paediatrician, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Stephen Turner (Aberdeen (Aberdeenshire), United Kingdom), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

10:45	Attenuating future risks in children with active asthma Daniel Jackson (Madison, United States of America)	3745
11:15	Emerging pathogens in cystic fibrosis Pavel Drevinek (Praha, Czech Republic)	3746
11:45	Air pollution and the developing lung Philipp Latzin (Bern, Switzerland)	3747
12:15	Interstitial lung disease Nadia Nathan (Paris, France)	3748

9E Session 408 10:45 - 12:45

Symposium: The future of respiratory diseases: what prevention can do

Aims : to describe the current burden of respiratory diseases and how the implementation of preventive measures and rehabilitation programmes will impact the morbidity, mortality and quality of life of patients.

Disease(s) : [Airway diseases](#) [Respiratory infections](#)

Method(s) : Epidemiology

Tag(s) : Clinical

Target audience : General practitioner, Nurse, Paediatrician, Physiotherapist, Policy maker, Adult pulmonologist/Clinician

Chairs : Pilar De Lucas Ramos (Madrid, Spain), Carlos Andres Jimenez Ruiz (Madrid, Spain)

10:45	The global burden of pulmonary disease: where we are and where we are going Joan B Soriano (Madrid, Spain)	3749
11:09	Infectious respiratory diseases: what vaccines can do Rosario Menendez Villanueva (Valencia, Spain)	3750
11:33	New threats from the tobacco industry (IQOS and electronic cigarettes): the role of medical scientific societies Jaime Signes-Costa (Valencia, Spain)	3751
11:57	Exercise and respiratory health: improving disease consequences Esther Barreiro Portela (Barcelona, Spain)	3752
12:21	Preventing respiratory diseases: The WHO-ERS Smoking Cessation Training Project Sofia Belo Ravara (Covilhã, Portugal)	3753

9A Session 409 10:45 - 12:45

Symposium: Recent clinical advances in inhalation therapy

A joint ERS/The International Society for Aerosols in Medicine (ISAM) session

Aims : to present the exponential increase in aerosol science for targeting drugs to the respiratory tract in many different respiratory diseases, which are now being translated into clinical trials; to focus on the clinical advances that have arisen from aerosol science research.

Disease(s) : Airway diseases Paediatric respiratory diseases Respiratory critical care**Method(s)** : General respiratory patient care Physiology**Tag(s)** : Clinical**Target audience** : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician**Chairs** : Chantal Darquenne (La Jolla, United States of America), Federico Lavorini (Firenze (FI), Italy)

10:45	Cons - governments should impose targets for healthcare professionals to switch their respiratory disease patients to inhalers with a low global warming potential Omar S. Usmani (London, United Kingdom)	3754
11:00	Pros: governments should impose targets for healthcare professionals to switch their respiratory disease patients to inhalers with a low global warming potential Christer Janson (Uppsala, Sweden)	3755
11:15	Mechanically ventilated patients Rajiv Dhand (Knoxville, United States of America)	3756
11:45	Paediatric airway diseases Willem van Aalderen (Amsterdam, Netherlands)	3757
12:15	Non-cystic fibrosis bronchiectasis Sabina Antoniu (Iasi (Iasi), Romania)	3758

9C Session 410 10:45 - 12:45**Symposium: Lung vessels in COPD: it is time to take them seriously!****Aims** : to discuss important interactions between the airways and pulmonary vasculature in patients with COPD as well as growing knowledge of the relevance of pulmonary vascular involvement in these patients; to help participants distinguish between patients with different COPD phenotypes and make clinical decisions in order to provide optimal treatment.**Disease(s)** : Airway diseases Pulmonary vascular diseases**Tag(s)** : Clinical**Target audience** : Clinical researcher, Critical/Intensive care physician, Trainee, Adult pulmonologist/Clinician**Chairs** : Bartolome R. Celli Croquer (Boston, United States of America), Horst Olschewski (Graz, Austria)

10:45	Do COPD patients have a pulmonary vascular phenotype? Alvar Agusti Garcia-Navarro (Barcelona, Spain)	3759
11:15	Reasons why pulmonary pressure increases in COPD patients Gabor Kovacs (Graz, Austria)	3760
11:45	Mechanisms underlying pulmonary vascular changes in COPD patients Werner Seeger (Gießen, Germany)	3761
12:15	Diagnosis and treatment of pulmonary hypertension in COPD patients: how far should we go? Marc Humbert (Paris, France)	3762

9D Session 411 10:45 - 12:45**Clinical trials session: ALERT: Abstracts Leading to Evolution in Respiratory Medicine Trials: Asthma****Aims** : to present important clinical trials in respiratory medicine; to summarise key findings and discuss with the audience experts conclusions, to bring clinical trial's abstracts into the clinical context. This session is led by a chair and two expert discussants who will facilitate the discussions and summarise key messages.**Disease(s)** : Airway diseases**Target audience** : General practitioner, Trainee, Clinical researcher, Adult pulmonologist/Clinician, Scientist (basic, translational)**Chairs** : Guy Brusselle (Ghent, Belgium)**Discussants** : Celeste Michala Porsbjerg (Copenhagen, Denmark), Mina Gaga (Athens, Greece)

RCT3779 **Characteristics of prominent response to triple therapy in patients with asthma uncontrolled on ICS/LABA: A stratified analysis of the TRIMARAN and TRIGGER studies**
Dave Singh (Manchester, United Kingdom), Dave Singh, J. Christian Virchow, Walter G. Canonica, Sandrine Corre, Florence Zuccaro, Maxim Kots, Andrea Vele, George Georges, Stefano Petruzzelli

RCT3780	Efficacy and safety of once-daily low-dose indacaterol/mometasone via Breezhaler® in symptomatic adult and adolescent patients with inadequately controlled asthma: Phase III randomised QUARTZ study findings Peter D'Andrea (Gillette, United States of America), Peter D'Andrea, Oliver Kornmann, Janos Mucsi, Motokazu Kato, Lorraine Bandelli, Biswajit Sen
RCT3781	Late Breaking Abstract - Comparison of mesh and jet nebulizers with different interfaces in acute moderate to severe paediatric asthma Gerald Moody (Dallas, United States of America), Gerald Moody
RCT3782	Ten-year follow-up of subjects who received bronchial thermoplasty (BT) in 3 randomized controlled studies (BT10+) Rekha Chaudhuri (Glasgow (Glasgow), United Kingdom), Rekha Chaudhuri, Adalberto Rubin, Jussara Da Costa Fiterman, Kaharu Sumino, Jose Roberto Lapa E Silva, Robert Niven, Salman Siddiqui, Ronald Olivenstein, Karin Klooster, Charlene Mcevoy, Pallav Shah, Michael Simoff, David Duhamel, Sumita Khatri, Richard Barbers, Frances Nolan, Michel Laviolette
	Wrap-up by discussant and discussion Celeste Michala Porsbjerg (Copenhagen, Denmark)
RCT3783	Dupilumab (DPL) Efficacy in Patients With Severe Chronic Rhinosinusitis with Nasal Polyps (CRSwNP) with/without Nonsteroidal Anti-inflammatory Drug-Exacerbated Respiratory Disease (NSAID-ERD): SINUS-24, SINUS-52 Trials Jorge Maspero (Ciudad Autónoma Buenos Aires, Argentina), Joaquim Mullol, Tanya M. Laidlaw, Nikhil Amin, Claus Bachert, Joseph K. Han, Peter W. Hellings, G. Walter Canonica, Seong H. Cho, Martin Desrosiers, Claire Hopkins, Pierluigi Paggiaro, Mei Zhang, Xin Lu, Naimish Patel, Neil M.H. Graham, Heribert Staudinger, Leda P. Mannent
RCT3784	Late Breaking Abstract - Effect of timapirant, a DP2 antagonist, on airway inflammation in severe eosinophilic asthma Rahul Shrimanker (Bristol (Avon), United Kingdom), Rahul Shrimanker, Katie Borg, Clare Connolly, Samantha Thulborn, Jennifer Cane, Luzheng Xue, Gareth Hynes, Timothy Hinks, Maxim Kots, Luca Girardello, Stefano Petruzzelli, Jan Steiner, Shan Vinall, Mick Hunter, Roy Pettipher, Ian D Pavord
RCT3785	Tezepelumab decreases matrix remodelling and inflammatory pathways in patients with asthma Sriram Sridhar (Gaithersburg, United States of America), Sriram Sridhar, Wei Zhao, Tuyet-Hang Pham, Jennifer Kearley, Wendy I. White, Yuling Wu, Jane R. Parnes, Lorin K. Roskos, Janet M. Griffiths
	Wrap-up by discussant and discussion Mina Gaga (Athens, Greece)

8C

Session 412

10:45 - 12:45

Symposium: Lumping and splitting of fibrotic interstitial lung diseases

Aims : to compare big-picture approaches for future clinical practice, pathogenetic approaches and treatment algorithms in fibrotic interstitial lung diseases (ILDs) and to contrast the goal of increasing diagnostic and prognostic precision for development of personalised medicine (e.g., for sub-groups of patients with idiopathic pulmonary fibrosis [IPF]) with the amalgamation of various forms of progressive fibrotic ILDs (progressive fibrotic phenotype).

Disease(s) : [Interstitial lung diseases](#)

Method(s) : Imaging Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Pathologist, Physiologist, Radiologist, Trainee, Adult pulmonologist/Clinician

Chairs : Martin Kolb (Hamilton (ON), Canada), Venerino Poletti (Forli, Italy)

10:45	Personalised pathogenetic pathways in fibrotic ILDs: the yin of pathogenetic thinking Maria Molina Molina (Barcelona, Spain)	3768
11:09	Pathogenetic mechanisms common to disease progression in fibrotic ILDs: the yang of pathogenetic thinking Katerina Antoniou (Heraklion, Greece)	3769
11:33	The progressive fibrotic phenotype in ILDs: can it be reliably recognised at baseline evaluation? Kevin Brown (Denver, United States of America)	3770
11:57	The progressive fibrotic phenotype in fibrotic ILDs: the critical importance of observed disease behaviour Athol Wells (London, United Kingdom)	3771
12:21	Therapies for ILDs: recent advances against diseases progression Luca Richeldi (Roma, Italy)	

9F Session 413 10:45 - 12:45

Lungs on Fire: Sleep and breathing disorders & Respiratory critical care

Aims : to explore the real-life challenging clinical cases in the innovative interactive session; to present the cases that have various levels of difficulty and often necessitate a differential diagnosis. This session is led by a discussant that will present the cases to a panel of experts and the audience. The discussant will encourage discussion among the panel of experts, who have never seen the cases, and additionally invite the audience in the reflexion and discussion of the cases presented to explore the various diagnostic and therapeutic options.

Disease(s) : Sleep and breathing disorders Respiratory critical care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Lung function technologist, Physiologist, Nurse, Paediatrician, Trainee

Chairs : Paolo Palange (Rome, Italy), Enrico M. Clini (Modena (MO), Italy), Eva Lindberg (Uppsala, Sweden), Anita Simonds (London, United Kingdom)

Discussants : Maria Bonsignore (Palermo, Italy)

	Case 1 - Author: Ashish Kumar Prakash (India)	3773
	Case 2 - Author: Roman Kind (Switzerland)	3774
	Case 3 - Author: Christy Shuk-kuen Chau (Hong Kong)	3775
	Case 4 - Author: Min Song (China)	3776
	Case 5 - Author: Youjin Chang (South Korea)	3777
	Case 6 - Author: Pankaj Maheshwari (India)	3778
10:45	Introduction and presentation by the session facilitator Maria Bonsignore (Palermo, Italy)	3772

8A Session 414 10:45 - 12:45

Symposium: How do big data and classical epidemiology contribute to solving chronic respiratory ill health?

Aims : to demonstrate how large datasets, including routinely collected electronic healthcare records, can be used to complement cohorts and more traditional epidemiology methods in order to answer a wide variety of questions about chronic respiratory diseases.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Epidemiology Public health

Tag(s) : Translational

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Paediatrician, Policy maker, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Jennifer Quint (Wimbledon, United Kingdom), Ane Johannessen (Bergen, Norway)

10:45	Primary prevention of asthma and impaired lung function: how close are we? Seif Shaheen (London, United Kingdom)	3763
11:05	The Scandinavian approach to using data for studying the early risks and consequences of asthma Catarina Almqvist Malmros (Stockholm, Sweden)	3764
11:30	Epidemiology of rare diseases Sanja Stanojevic (Toronto (ON), Canada)	3765
11:55	The exposome environment Roel Vermeulen (Utrecht, Netherlands)	3766
12:20	Traditional methods of epidemiology and how they complement what is learned from big data Deborah Jarvis (London, United Kingdom)	3767

9B Session 415 10:45 - 12:45

Oral presentation: All aspects of general thoracic surgery

Disease(s) : Thoracic oncology Respiratory critical care**Method(s) :** Surgery Epidemiology Pulmonary function testing Public health Pulmonary rehabilitation General respiratory patient care**Chairs :** Cagatay Tezel (Istanbul, Turkey), Stefano Elia (Roma (RM), Italy)

- OA3786 Late Breaking Abstract - Automated oxygen administration vs manual oxygen therapy after major abdominal or thoracic surgery. An international multicenter randomized controlled study**
Erwan L'Her (Brest, France), Samir Jaber, Daniel Verzilli, Christophe Jacob, Brigitte Huiban, Emmanuel Futier, Thomas Kerforne, Victoire Pateau, Pierre-Alexandre Bouchard, Maellen Gouillou, Emmanuel Nowak, Francois Lellouche
- OA3787 Extrapleural pneumonectomy versus pleurectomy/decortication in malignant pleural mesothelioma: an updated meta-analysis of survival endpoints**
Dimitrios Magouliotis (Larisa, Greece), Vasiliki Tasiopoulou, Kyriakos Spiliopoulos, Konstantina Svokos, Alexis Svokos, Kalliopi Athanassiadi
- OA3788 Surgery for elderly early-stage non-small cell lung cancer: less or more?**
Tiago Alfaro (Coimbra, Portugal), Margarida Afonso, Carlos Branco, Rita Pancas, João Bernardo, Carlos Robalo Cordeiro
- OA3789 Health-related quality of life in lung cancer patients: validation of a national version of EORTC QLQ-LC29 questionnaire**
Luca Bertolaccini (Milan, Italy), Marcello Giani, Enrico Ruffini, Massimo Torre, Lorenzo Rosso, Paola Faverio, Fabrizio Minervini, Marco Scarci
- OA3790 Would lung cancer patients benefit from prehabilitation before surgery? Selecting optimisable patient variables.**
Elena Grattagliano (London, United Kingdom), Andrea Bille, Rudy Sinharay
- OA3791 Respiratory muscle strength and dyspnea after lobectomy via video-assisted thoracoscopic surgery or thoracotomy for lung cancer**
Tsuyoshi Ichikawa (Isehara, Kanagawa, Japan), Masanori Yokoba, Yu Horimizu, Saki Yamaguchi, Akiko Kawakami, Satoru Oikawa, Haruka Takeichi, Masato Katagiri, Minoru Toyokura
- OA3792 Outcomes of sublobar and lobar resection for stage 1 non-small cell lung cancer.**
Shiva Bikmalla (Stoke-on-Trent (Staffordshire), United Kingdom), Syeda-Saba Ahmed, Qamar Abid, Christopher Satur, Shilajit Ghosh, Imran Hussain
- OA3793 Pulmonary function in children after lobectomy**
Heidi Schaballie (Waasmunster, Belgium), Hanne Rigolle, Petra Schelstraete, Sabine Van Daele, Julie Willekens, Marijke Proesmans, Anne Malfroot, Dirk Smets, Frans De Baets

6F

Session 416

10:45 - 12:45

Oral presentation: Brain Metastasis and Malignant pleural effusion: improving our understanding**Disease(s) :** Thoracic oncology**Method(s) :** Endoscopy and interventional pulmonology Epidemiology Palliative care Cell and molecular biology Physiology**Chairs :** Rachelle Ascik (Oxford (Oxfordshire), United Kingdom), Pieter E. Postmus (LEIDEN, Netherlands), Francisco Rodriguez Panadero (Tomares (Sevilla), Spain)

- OA5103 Neuro-cognitive (HVLt-R total recall) functioning in localized vs. metastatic small-cell lung cancer with or without hippocampus sparing PCI: Results from a phase III trial**
Jan van Meerbeeck (Edegem (Antwerp), Belgium), Jan van Meerbeeck, Dirk De Ruyscher, Jose Belderbos, Karin De Jaeger, F Koppe, Maarten Lambrechts, Yolande Lievens, E Dieleman, J Jaspers, J Ubbels, M Kwint, M Kuenen, Sabine Deprez, M De Ruiter, K Sikorska, Harm Van Tinteren, S Schagen
- OA3794 Early pleural fluid control is warranted to prevent reaccumulation of malignant pleural effusion in oncogene-driven lung cancer**
Mei-Sze Macy Lui (Hong Kong, Hong Kong), Ka-Yan Chiang, Chung-Man James Ho, Chi-Chun Terence Tam, Chi-Leung Lam, Yun-Chor Gary Lee, Sau-Man Mary Ip
- OA3795 Elevated circulating activin A levels in malignant pleural mesothelioma patients are related to cancer cachexia and poor response to platinum-based chemotherapy**
Juuso Paajanen (Helsinki, Finland), Ilkka Ilonen, Helena Lauri, Tommi Järvinen, Eva Sutinen, Hely Ollila, Eeva Rouvinen, Karl Lemström, Jari Räsänen, Olli Ritvos, Katri Koli, Marjukka Myllärniemi
- OA3796 The incidence of Malignancy and Survival in Patients with Idiopathic Pleuritis**
Uffe Bodtger (Naestved, Denmark), Simon Reuter, Paul Clementsen
- OA3797 Exploration of breath analysis to monitor therapeutic response in mesothelioma patients**
Eline Janssens (Kontich, Belgium), Jan Van Meerbeeck, Kevin Lamote

OA3798 Patient derived pleural mesothelioma cell lines, can be used as tools, to guide patient stratification
Nikolaos I. Kanellakis (Patras, Greece), Rachele Asciani, Xuan Yao, Yanchun Peng, Mark McCoole, Simon McGowan, Rachel Mercer, Rob Hallifax, Taylor Sherrill, Fabien Maldonado, Daniel Ebner, Timothy S. Blackwell, Georgios T Stathopoulos, Tao Dong, Najib M Rahman, Ioannis Psallidas

OA3799 Malignant pleural effusion survival prognostication in an Asian population
Jonathan Caleb Quek (Singapore, Singapore), Qiao Li Tan, Jing Yi Wong, John Allen Carter, Devanand Anantham

OA3800 Effects of 2-Deoxy-glucose (2DG) with cisplatin and pemetrexed in mesothelioma cell mediated collagen gel contraction.
Eirini Gerogianni (Larisa, Greece), Rajesh Jagirdar, Eleanna Pitaraki, Olympia Kouliou, Chrissi Hatzoglou, Konstantinos Gourgoulis, Sotiris Zaroginannis

N103

Session 417

10:45 - 12:45

Oral presentation: Precision meets immunology in treatment of airway diseases

Disease(s) : Respiratory critical care Airway diseases

Method(s) : General respiratory patient care Cell and molecular biology

Chairs : Apostolos Bossios (Stockholm, Sweden), Alberto Papi (Ferrara, Italy)

OA3801 Late Breaking Abstract - Benralizumab treatment reduces the high-affinity IgE receptor on plasmacytoid dendritic cells in patients with severe asthma
Marek Lommatzsch (Rostock, Germany), Georg Schwefel, Kai Bratke, Hannes Marchewski, Johann Christian Virchow

OA3802 Late Breaking Abstract - Matrix metalloproteinases in serum and sputum reflect distinct processes of relevance to asthma
Anna James (Stockholm, Sweden), Cristina Gomez, John-Olof Thörngren, Magnus Ericsson, Johan Kolmert, Craig Wheelock, Richard Knowles, Ian Adcock, Sven-Erik Dahlén, U-Biopred & Bioair Study Groups

OA3803 Late Breaking Abstract - IgE-FcεR1 cross-linking impairs the capacity of plasmacytoid dendritic cells to induce in vitro functional regulatory T cells which can be restored by Omalizumab
Oscar Palomares (Madrid, Spain), Jacobo López-Abente, Cristina Benito-Villalvilla, Xavier Jaumont, Pascal Pfister, Paolo Tassinari

OA3804 eNose breathprints as surrogate biomarkers for classifying asthma patients by atopy
Mahmoud Ismael Abdelaziz Ibrahim (Amsterdam, Netherlands), Paul Brinkman, Susanne J. H. Vijverberg, Anne H. Neerincx, Simone Hashimoto, Rianne De Vries, Yennece W.F. Dagelet, Karen Knipping, Peter J. Sterk, Aletta D. Kraneveld, Anke-Hilse Maitland-Van Der Zee

OA3805 Baseline and longitudinal urinary eicosanoid profiles for molecular sub-phenotyping in the U-BIOPRED study
Johan Kolmert (Stockholm, Sweden), Cristina Gómez, Diane Lefaudeux, Bertrand De Meulder, Ioannis Pandis, Ratko Djukanovic, Peter Sterk, Ian Adcock, Barbro Dahlén, Sven-Erik Dahlén, Craig E. Wheelock

OA3806 Effect of house dust mite sublingual immunotherapy on airway inflammation and remodeling in allergic asthma with rhinitis
Makoto Hoshino (Atami, Japan), Kenta Akitsu, Kengo Kubota

OA3807 Dupilumab Efficacy in Type 2 Inflammatory Asthma: Liberty Asthma QUEST Study
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), J. Mark Fitzgerald, Guy Brusselle, Sally E. Wenzel, Klaus F. Rabe, William W. Busse, Alberto Papi, Megan S. Rice, Yamo Deniz, Paul Rowe, Nikhil Amin, Neil M.H. Graham, Ariel Teper

OA3808 Fevipirant is superior to montelukast in suppressing type 2 cytokine production from mast cell stimulated human Th2 cells
Shamsah Kazani (Cambridge, United States of America), Franziska Hasler, Petra Jaeger, Claudine Maurer, David Sandham, Till Roehn

N104

Session 418

10:45 - 12:45

Oral presentation: A fresh view on assessment of functional status in COPD

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Pulmonary function testing Physiology Pulmonary rehabilitation General respiratory patient care Imaging

Chairs : Martijn A. Spruit (Horn, Netherlands), Catherine Granger (Parkville (VIC), Australia)

OA3809 The association of comorbid pain with incident falls in people with chronic obstructive pulmonary disease.
Kirsti J Loughran (Billingham, United Kingdom), Alan Batterham, Daniel Tough, Cormac G Ryan, Shaun Wellburn, John Dixon, Samantha L Harrison

- OA3810 Reliability and validity of dyspnea numeric rating scales as a patient-reported outcome in pulmonary rehabilitation of COPD**
Thomas Janssens (Leuven, Belgium), Wolfgang Geidl, Johannes Carl, Klaus Pfeiffer, Nicola Leibert, Michael Wittmann, Konrad Schultz, Andreas Von Leupoldt
- OA3811 Effects of dual tasking during walking on motor and cognitive performance in COPD**
Wendy Darlene Reid (Toronto (ON), Canada), Karina T Kasawara, Syed A Hassan, Leandro V Bonetti, Guilherme Af Fregonezi, Matthew Stanbrook
- OA3812 Predictors of low endurance time in constant work rate cycle testing in COPD**
Richard Casaburi (Rancho Palos Verdes, United States of America), Alan Hamilton, Martijn Spruit, Debora Merrill, Gale Harding, Nicholas Locantore, Danielle Rodriguez, Ren Yu, Harry Rossiter
- OA3813 Characteristics of frail patients with acute exacerbations of COPD who experience readmissions.**
Christian Osadnik (Melbourne, Australia), Alethea Kavanagh, Martin Macdonald, Anne Tran, Terry Haines, Philip Bardin
- OA3814 Dynamic and static quadriceps muscle endurance in people with COPD and healthy age and gender-matched controls**
Andre Nyberg (Umeå, Sweden), Matilda Bergqvist, Maja Lindahl, Erik Frykholm
- OA3815 Can the five repetition sit-to-stand test discriminate inpatients and outpatients with acute exacerbations of COPD?**
Ana Machado (Senhora da Hora, Portugal), Ana Machado, Ana Oliveira, Marta Vieira, Carla Valente, Filipa Januário, Alda Sofia Pires De Dias Marques
- OA3816 Performance of one-minute sit-to-stand test as a predictor of six-minute walk test results**
Tiago João Martins Oliveira (Ribeirão - Vila Nova de Famalicão, Portugal), Paula Pinto, Vânia Almeida, Raquel Carvalho, Maria José Fernandes, Joana Gomes

6E

Session 419

10:45 - 12:45

Oral presentation: Tuberculosis and non-TB mycobacterial infection I**Method(s) :** Epidemiology Public health Cell and molecular biology General respiratory patient care**Chairs :** Guillermo Jose Perez Mendoza (Las Palmas, Spain), Ivan Solovic (Vysne Hagy, Slovakia)

- OA3817 Public health guidance on programmatic management of latent tuberculosis infection in the European Union/European Economic Area**
Senia Rosales-Klintz (Solna, Sweden), Marieke J. Van Der Werf
- OA3818 TB status in a dynamic cohort of patients with Inflammatory Bowel Disease receiving immunosuppression treatment, with up to 8 years of follow-up.**
Miguel Arias Guillen (Oviedo (Asturias), Spain), Ruth De Francisco, Sabino Riestra-Menéndez, Guillermo Muñiz-Albaiceta, María Teresa González-Budiño, Marta María García-Clemente, Cecilia Del Busto, Miguel Santibáñez-Margüello, Andrés Castaño-García, Susana Martínez-González, Covadonga Huidobro, Luis Alfonso Pérez-González, Inés Ruiz-Alvarez, Julia Herrero-Huertas, Paula Ugarriza, Victor Jiménez-Beltrán, Pablo Flórez-Diez, Noelia Rodríguez, Cristina Bailón, Santiago Gómez-Mañas, Ana Losada-Diequez, Patricio Escalante
- OA3819 Long-term incidence of tuberculosis among migrants according to migrant status: a cohort study**
Kristina Langholz Kristensen (Copenhagen, Denmark), Troels Lillebaek, Joergen Holm Petersen, Sally Hargreaves, Laura Nellums, Jon S. Friedland, Peter Henrik Andersen, Pernille Ravn, Marie Noerredam
- OA3820 Posttransplant tuberculosis in Europe – a TBnet study**
Berit Lange (Freiburg, Germany), Sandra M Arend, Caroline Armbruster, Miguel Arias-Guillén, Marleen Bakker, Cristina Berastegui, Maaz Babiker, Rawya Charif, Raquel Duarte, Holger Flick, Regina W Hofland, Joanna Ismail, Nithya Krishnan, Daniela Kniepeiss, Heinke Kunst, Dora Kuijpers, Christoph Lange, Visnja Lezaic, Ibai Los Arcos, Jana Machova, Heather Milburn, Onn Min Kon, Carmen Osoro Suarez, Dragica Pesut, Ananna Rahman, Tomas Reischig, Adrian Sanchez Montalva, Hanna-Elisa Spohn, Merel Stegenga, Aiko De Vries, Dirk Wagner, Rika Wobser, Martina Sester
- OA3821 Treatment of severe Mycobacterium avium complex pulmonary disease with a adjunctive amikacin and clofazimine versus standard regimen alone, a retrospective study**
Sanne Zweijpfenning (Nijmegen, Netherlands), Stephan Kops, Martin Boeree, Saskia Kuipers, Jakko Van Ingen, Wouter Hoefsloot, Cecile Magis-Escurra
- OA3822 Do higher quantitative interferon gamma release assay or tuberculin skin test results help to predict incident tuberculosis? Data from the UK PREDICT study**
Rishi Gupta (London, United Kingdom), Marc Lipman, Charlotte Jackson, Alice Sitch, Jo Southern, Francis Drobniowski, Jonathan Deeks, Chuen-Yan Tsou, Chris Griffiths, Jennifer Davidson, Colin Campbell, Oliver Stirrup, Mahdad Noursadeghi, Heinke Kunst, Pranab Haldar, Ajit Lalvani, Ibrahim Abubakar
- OA3823 Impact of the introduction of a paediatric 'virtual TB clinic'**
Louise Turnbull (Wilmslow (Cheshire), United Kingdom), Fran Child

- OA3824** **Whether Rv2346c enhances mycobacterial survival within macrophages and its mechanism**
Chen Sixia (Nanjing, China), Feng Ganzhu

N101+102

Session 420

10:45 - 12:45

Oral presentation: Current trends in noninvasive ventilation for chronic respiratory failure

Disease(s) : Airway diseases Respiratory critical care Sleep and breathing disorders

Method(s) : Respiratory intensive care General respiratory patient care Physiology

Chairs : Marieke L. Duiverman (Groningen, Netherlands), João Carlos Winck Fernandes Cruz (Vila Nova de Gaia, Portugal)

- OA3825** **Late Breaking Abstract - Improving management of acute hypercapnic respiratory failure with Non-Invasive Ventilation**
Ayantika Dhara (London, United Kingdom), Prathibha Bandipalyam, Jasmine Patel, Ashish Ladva, Anistta Maheswran, Sonal Srivastava

- OA3826** **Initiation of non-invasive home mechanical ventilation in the hospital compared with initiation at home;The Dutch Homerun trial**
Ries J.M. van den Biggelaar (Galder, Netherlands), Anda Hazenberg, Nicole A.M. Cobben, Micheal A. Gaytan, Karin M. Vermeulen, Peter J. Wijkstra

- OA3827** **Short term effects of noninvasive ventilation on haemodynamic parameters in patients with obesity hypoventilation syndrome.**
Pavol Pobeha (Košice, Slovakia), Ivana Paranicova, Ivana Trojova, Ruzena Tkacova, Pavol Joppa

- OA3828** **Automated detection of patient-ventilator asynchronies during noninvasive ventilation (NIV)**
Emeline Fresnel (Bois-Guillaume, France), Adrien Kerfourn, Antoine Cuvelier, Maxime Patout

- OA3829** **Home non-invasive ventilation (NIV): what to do with telemonitored data?**
Maxime Patout (Mont-Saint Aignan, France), Kinan El Husseini, Edouard Dantoing, Adrien Kerfourn, Emeline Fresnel, Jean-Christian Borel, Antoine Cuvelier, Johan Dupuis, Frédéric Gagnadoux, Jésus Gonzalez-Bermejo, Jean-François Muir, Patrick Murphy, Arnaud Prigent, Claudio Rabec, Wojciech Trzepizur, João Carlos Winck

- OA3830** **Influence of effective noninvasive positive pressure ventilation on inflammatory biomarkers in pediatric patients with cystic fibrosis.**
Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Dmytro Dmytriiev, Oleksandr Nazarchuk, Oleksandr Katilov

- OA3831** **Individualised Respiratory Physiology-oriented High-intensity Non-invasive Positive Pressure Ventilation in Stable Hypercapnic COPD Patients: a Prospective, Randomized, Controlled Trial**
Lili Guan (Guangzhou, China), Weiliang Wu, Luqian Zhou, Rongchang Chen

6A

Session 421

10:45 - 12:45

Poster discussion: Pleural infection and complicated pneumonia

Disease(s) : Airway diseases Thoracic oncology

Method(s) : General respiratory patient care Epidemiology Respiratory intensive care Imaging Endoscopy and interventional pulmonology

Chairs : Najib M. Rahman (Oxford, United Kingdom), Paolo Tarsia (Milano (MI), Italy)

- PA3832** **Validity of Pleural Fluid Protein in differentiating Tuberculous from Malignant Pleural Effusion**
Zafar Iqbal (Peshawar (Khyber Pakhtunkhwa), Pakistan), Muhammad Umar, Mohammad Yousaf

- PA3833** **Antibiotic strategy in pleural empyema in children: research of a consensus by DELPHI method**
Maria-chiara Leoni (Paris, France), Isabelle Hau, Sandra Biscardi, Camille Jung, Celine Delestrain, Gilles Mangiapan, Elodie Nattes, Fouad Madhi, Ralph Epaud

- PA3834** **The role of viruses in the development of pleural infection.**
David Arnold (Bristol (Avon), United Kingdom), David Arnold, Tim Suri, Fergus Hamilton, Anna Morley, Sonia Patole, Andrew Medford, Peter Muir, Nick Maskell

- PA3835** **Outcomes of intrapleural tissue plasminogen activator (tPA) and deoxyribonuclease (DNase) for IPC-related pleural infection**
Deirdre B Fitzgerald (Perth, Australia), Sanjeevan Muruganandan, Juan Pablo Uribe-Becerra, Selina Tsim, Rachelle Asciak, Steven Walker, Maree Azzopardi, Najib Rahman, Nick Maskell, Kevin Blyth, Adnan Majid, Y C Gary Lee

- PA3836** **IPC-related pleural infection vs. colonisation - to treat or not to treat?**
Katie Ferguson (Glasgow, United Kingdom), Kevin Blyth, Selina Tsim

- PA3837 The role of Procalcitonin in management of pleural infections**
Raja Reddy (Kettering (Northamptonshire), United Kingdom), Syed Mohannad, Yusuf Vali, Muhammad Naem, George Tsaknis
- PA3838 Prevalence of Epstein barr virus in pleural effusion patients attending tertiary care hospital.**
Rajiv Garg (Lucknow (Uttar Pradesh), India), Danish Nasar Khan, Amita Jain, Ram Awadh Singh Kushwaha
- PA3839 Pleural empyema accuracy on Hospital Episode Statistics (HES): a validation study.**
David Arnold (Bristol (Avon), United Kingdom), Fergus Hamilton, David Arnold
- PA3840 Serum Procalcitonin for diagnosing and monitoring response in pleural infection**
Raja Reddy (Kettering (Northamptonshire), United Kingdom), Syed Mohammed, Yusuf Vali, Muhammed Naem
- PA3841 Clinical features and prognosis of nontuberculous mycobacterial pleuritis**
Kazuma Yagi (Tokyo, Japan), Akihiro Ito, Keiji Fujiwara, Eriko Morino, Isano Hase, Yasushi Nakano, Takanori Asakura, Koji Furuuchi, Shoji Suzuki, Takahiro Asami, Ho Namkoong, Fumitake Saito, Kozo Morimoto, Makoto Ishii, Hiroki Tateno, Kazumi Nishio, Yoshitaka Oyamada, Haruhito Sugiyama, Tadashi Ishida, Atsuyuki Kurashima, Naoki Hasegawa
- PA3842 Serum C-reactive protein levels predict the need for surgical intervention in patients with empyema/complicated parapneumonic pleural effusions**
Kosuke Tsuruno (Izuka, Japan), Kazunori Tobino
- PA3843 Clinical characteristics, outcomes and factors associated with mortality in nocardia pneumonia: 10 year experience from a developing country**
Yasmin Rahim (Karachi (Sindh), Pakistan), Muhammad Irfan
- PA3844 Fungal empyema: an uncommon disease with high mortality**
Nidia Pestana Caires (Funchal, Portugal), Sara Campos Silva, Joao Eurico Reis, Rita Gerardo, Margarida Pinto, Carlos Flores, Joao Cardoso
- PA3845 Recurrent Haemorrhagic Pleural Effusion Due To Wuchereria Bancrofti**
Kumar Utsav (Varanasi (Uttar Pradesh), India)
- PA3846 Pulmonary complications in intravenous drug users with and without human immunodeficiency virus co-infection.**
Karolina Klester (Barnaul (Altay), Russian Federation), Elena Klester, Yakov Shoikhet, Alexander Zharikov
- PA3847 Modern opportunities to the diagnosis and treatment of recurrent respiratory papillomatosis with tracheal, bronchial and lung involvement**
Valentina Molodtsova (St. Petersburg, Russian Federation), Ivetta Dvorakovskaya, Irina Platonova, Vadim Karev, Andrey Akopov
- PA3848 Risk factors for parapneumonic effusion in community-acquired pneumonia**
Olga N. Brodskaya (Moscow, Russian Federation), Alexandra A. Ball, Marina S. Kevorkova, Daria D. Glazova
- PA3849 Can Neutrophil/lymphocyte Ratio, C-reactive protein (CRP) and Procalcitonin predict the hospitalization time in patients with lower tract respiratory infections ?**
Ali Çetinkaya (Istanbul, Turkey), Mehmet Atilla Uysal, Elif Yelda Niksarlıoğlu, Ayşe Sinem Durna, Nagihan Orhan Ozer, Gungor Camsarı

6B

Session 422

10:45 - 12:45

Poster discussion: Cellular responses and cell therapy in lung injury and repair

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : Cell and molecular biology General respiratory patient care Physiology Respiratory intensive care

Chairs : Mareike Lehmann (München, Germany), Clemente Britto (New Haven, United States of America)

- PA3850 Predictors for significant changes in serum sulfated glycosaminoglycans at COPD exacerbations**
Eleni Papakonstantinou (Thessaloniki, Greece), Florent Baty, Michael Roth, Michael Tamm, Daiana Stolz
- PA3851 Downregulation of lysosome-associated membrane protein-2A accelerates cigarette smoke extract-induced aging and apoptosis in human bronchial epithelial cells**
Kyoung-Hee Lee (Seoul, Republic of Korea), Yunjeong Jeong, Ji Yeon Kim, Chang-Hoon Lee, Chul-Gyu Yoo
- PA3852 A-kinase anchoring proteins diminish lung EMT induced by TGF-β1/cigarette smoke**
Martina Schmidt (Groningen, Netherlands), Haoxiao Zuo, Viacheslav Nikolaev, Melissa Van Der Veen

- PA3853 INFLUENCE OF INDUCED IMMUNOSUPPRESSION ON INFLAMMATION AND LUNGS REMODELING ON THE COPD MODEL**
Olga Titova (St. Petersburg, Russian Federation), Natalya Kuzubova, Elena Lebedeva, Tatiana Preobrajenskaya, Elizaveta Volchkova
- PA3854 Beneficial effects of HDAC6 inhibition on airway epithelial barrier function**
Annika Åstrand (Mölnalund, Sweden), Mia Collins, Jenny Horndahl, Rebecka Svärd, Theresa Andreasson, Anders Cavallin, Ulf Gehrmann
- PA3855 Mesenchymal stem cell therapy in a model of chronic inflammatory lung disease**
Declan Doherty (Belfast (Belfast), United Kingdom), Lydia Roets, Rebecca Delaney, Anna Krasnodembskaya, Marcus A. Mall, Clifford C. Taggart, Sinead Weldon
- PA3856 Inhibition of uPA-uPAR signaling restores respiratory epithelial barrier function in asthma and COPD**
Megan Webster (Biberach an der Riss, Germany), Victoria Schroeder, Eva Peter, Ines Kollak, Jennifer Schuett, Bernd Guilliard, Ingrid Christ, David Lamb, Neil Goeghagen, Tyler Hall, Jun Li, Matthew Thomas, Frank Buettner, Felix Schiele, Gisela Schnapp, Matthias Hoffmann, James Garnett
- PA3857 Disease-specific inflammatory environments induce different anti-inflammatory MSC actions that play critical roles in mitigating lung injury**
Sara Rolandsson Enes (Burlington, United States of America), Soraia C. Abreu, Thomas H. Hampton, Robert A Cramer, Bruce A. Stanton, Matthew Wargo, Daniel J Weiss
- PA3859 Lung extracellular matrix hydrogel for 3D bioprinting of lung mesenchymal stem cells**
Isaac Almendros (Barcelona, Spain), Jorge Otero, Bryan Falcones, Esther Marhuenda, Daniel Navajas, Ramon Farre
- PA3860 Human mesenchymal stem cell exosomes attenuate inflammation of lung epithelial cells through miR-223 in acute lung injury**
Jie Chen (Beijing, China), Pinhua Pan, Min Li, Rongli Lu, Yimin Fang, Chengping Hu
- PA3861 The therapeutic potential of the mesenchymal stem cell secretome in a mouse model of chronic inflammatory lung disease**
Lydia Roets (Belfast, United Kingdom), Declan Doherty, Rebecca Delaney, Anna Krasnodembskaya, Marcus A. Mall, Clifford C. Taggart, Sinéad Weldon
- PA3862 Collagen VI-producing macrophages mediate lung fibrosis**
Alvaro Conrado Ucero (Madrid, Spain), Latifa Bakiri, Erwin Wagner
- PA3863 Role of alveolar macrophages and CD4 in ALI/ARDS in mice**
Nuha Alekhmimi (Riyadh, Saudi Arabia), Peter Kvietys
- PA3864 Effect of bronchial neutrophilia on airway remodeling in asthma**
Michela Bullone (Grugliasco, Italy), Vitina Carriero, Francesca Bertolini, Fabio Luigi Massimo Ricciardolo
- PA3865 The role of active neutrophil elastase in sputum of adults with bronchiectasis**
Leonardo Terranova (Milano, Italy), Martina Oriano, Giovanni Sotgiu, Angela Bellofiore, Andrea Gramegna, Carlotta Di Francesco, Laura Saderi, Sebastian Ferri, Khurtsidze Elene, James D. Chalmers, Paola Marchisio, Stefano Aliberti, Francesco Blasi
- PA3866 Sphingosine-1-phosphate receptor 1 controls endothelial cells permeability and function through the Bone morphogenetic 9/Endoglin signaling pathway.**
Chengshui Chen (Wenzhou (Zhejiang), China), Beibei Wang, Yani Yu, Dengmin Wu, Chenjian Song, Danping Qiu, Saverio Bellusci, Jin-San Zhang, Kezhi Dai
- PA3867 Hedgehog pathway activation is altered in COPD patients**
Randa Belgacemi (Bezannes, France), Julien Ancel, Jeanne-Marie Perotin, Emilie Luczka, Adeline Germain, Gonzague Delepine, Xavier Dubernard, Jean-Claude Mérol, Myriam Polette, Gaëtan Deslée, Valerian Dormoy

6C

Session 423

10:45 - 12:45

Poster discussion: Advances in asthma pharmacology

Disease(s) : Airway diseases

Method(s) : Physiology Cell and molecular biology General respiratory patient care Endoscopy and interventional pulmonology

Chairs : Pankaj Bhavsar (London, United Kingdom), Clive P. Page (London, United Kingdom)

- PA3868 Late Breaking Abstract - Sex differences in β_2 adrenoceptor-mediated responses in mouse airways**
Ida Cerqua (Napoli, Italy), Antonietta Rossi, Maria Antonietta Riemma, Giuseppe Cirino, Fiorentina Roviezzo

PA3870	Pharmacological characterization of the protective effect of benralizumab against airway hyperresponsiveness in a human ex vivo model of severe asthma Paola Rogliani (Roma (RM), Italy), Maria Gabriella Matera, Francesco Cavalli, Francesco Facciolo, Mario Cazzola, Luigino Calzetta
PA3871	Generation and activation of myeloid derived suppressor cells using prostaglandin E2 and EP receptor agonists in vitro Saeed Kolahian (Tübingen, Germany), Chiel Van Geffen, Sandra Beer-Hammera, Bernd Nürnberg
PA3872	In vitro pharmacological characterization of the potent, lung selective pan-JAK inhibitor TD-8236 Melanie Kleinschek (South San Francisco, United States of America), Reuben Sana, Whitney Krey-Epstein, Erik Sandvik, Emma Gordon, Susan Calhoun, Elad Kaufman, Joe Budman, Paul Fatheree
PA3873	Mechanisms leading to the bronchorelaxant synergy of ICS/LABA/LAMA combination Luigino Calzetta (Roma (RM), Italy), Maria Gabriella Matera, Josuel Ora, Francesco Facciolo, Mario Cazzola, Paola Rogliani
PA3874	Pharmacological characterization of the protective effect of mepolizumab against airway hyperresponsiveness in a human ex vivo model of severe asthma Luigino Calzetta (Roma (RM), Italy), Maria Gabriella Matera, Francesco Cavalli, Francesco Facciolo, Mario Cazzola, Paola Rogliani
PA3875	Investigating Transient Receptor Potential V4 channel induced bronchospasm Pauline Flajolet (London, United Kingdom), Sara J. Bonvini, Bilel Dekkak, Nadja Kobold, John J. Adcock, Peter Bradding, Maria G. Belvisi, Mark A. Birrell
PA3876	IL-33 blockade prevents exacerbations in a model of chronic airway inflammation by blunting persistent inflammation and remodeling Jamie Orenge (Tarrytown, United States of America), Jeanne Allinne, Wei Keat Lim, George Scott, Caroline Sandén, Jonas S. Erjefält, Dylan Birchard, Li-Hong Ben, Andrew J. Murphy, Matthew A. Sleeman
PA3877	Broader Impact of IL-4Ra Blockade Than IL-5 Blockade on Type 2 Inflammation Jamie Orenge (Tarrytown, United States of America), Jeanne Allinne, George Scott, Dylan Birchard, Seblewongel Asrat, Kirsten Nagashima, Audrey Le Floc'H, Matthew A. Sleeman, Andrew J. Murphy, George D. Yancopoulos
PA3878	The effect of endocannabinoid metabolism inhibition on airway inflammation in mice Reshed Abohalaka (Ankara, Turkey), Turgut Emrah Bozkurt, Emirhan Nemutlu, Sevgen Celik Onder, Inci Sahin-Erdemli
PA3879	Intranasal treatment with the mitochondria-targeted slow hydrogen sulfide releasing donor AP39 prevents inflammation-induced airway hyperreactivity in mice Yasemin Karaman-Kutluay (Ankara, Turkey), Yesim Kaya-Yasar, Turgut Emrah Bozkurt, Sevgen Celik Onder, Inci Sahin-Erdemli
PA3880	Relaxin potentiates β2-adrenoceptor mediated bronchodilation in precision-cut lung slices (PCLS) from mouse models of airway inflammation and fibrosis, and in human airways Jane Bourke (Clayton (VIC), Australia), Maggie Lam, Cathrin Maksdi, Julia Chitty, Belinda Thomas, Philip Bardin, Jade Jaffar, Glen Westall, Simon Royce
PA3881	Bronchial thermoplasty induces cell type specific anti-airway remodeling via secreted HSP in vitro Lei Fang (Basel, Switzerland), Lei Fang, Michael Tamm, Michael Roth, Daiana Stolz
PA3883	TLR7 Expression Reveals Novel Bronchodilating Mechanism of Imidazoquinoline Agonists Matthew Drake (Portland, United States of America), Becky Proskocil, Allison Fryer, David Jacoby
PA3884	The calcium-sensing receptor CaSR mediates airway contraction in a house dust mite model of allergic airway disease Jane Bourke (Clayton (VIC), Australia), Jiayin Diao, Maggie Lam, Cathrin Maksdi, Karen Gregory, Katie Leach
PA3885	The sensory irritant receptor TRPA1 is essential for airway inflammation in the LPS mouse model of acute lung injury. Ana Isabel Caceres (Durham, United States of America), Sven-Eric Jordt

6D

Session 424

10:45 - 12:45

Poster discussion: Advances in clinical management of COPD

Disease(s) : [Airway diseases](#)

Method(s) : Epidemiology Public health General respiratory patient care Pulmonary function testing Endoscopy and interventional pulmonology Imaging Cell and molecular biology Physiology

Chairs : Frits M.E. Franssen (Horn, Netherlands), Beatriz Abascal Bolado (Santander (Cantabria), Spain)

- PA3886 Medical care according to risk level proposed by the new Spanish COPD Guidelines**
Marta Erro Iribarren (Madrid, Spain), Tamara Alonso Pérez, Rosa Mar Gómez Punter, Emma Vázquez Espinosa, Elena García Castillo, Ana Roca Noval, María Teresa Pastor Sanz, Joan B Soriano, Julio Ancochea Bermúdez
-
- PA3887 Evaluation Of 24-Hour Day Respiratory Symptoms And GOLD Classification System In COPD Patients From Seven Latin America Countries: The LASSYC Study**
Maria Montes De Oca (Caracas, Venezuela), Ana Menezes, Fernando Wehrmeister, Victorina Lopez, Larissa Ramirez, Maric Miravtllés
-
- PA3888 Occupational exposures and Asthma-COPD overlap in a clinical cohort of adult-onset asthma**
Minna Tommola (Jyväskylä, Finland), Pinja Ilmarinen, Leena E Tuomisto, Lauri Lehtimäki, Hannu Kankaanranta
-
- PA3889 United airway: upper and lower respiratory symptoms of COPD patients**
Vladimir Koblizek (Hradec Králové, Czech Republic), Barbora Novotna, Jaromir Zatloukal, Eva Volakova, Michal Svoboda, Patrice Popelkova, Marek Plutinsky, Kristian Brat, Pavlina Musilova, Jaroslav Lnenicka, Lucie Heribanova, Zuzana Liptakova, Tomas Dvorak, Petra Voglova, Petr Safranek, Rostislav Simek, Libor Nevoranek, Michal Kopecky, Eva Kocova, Katerina Neumannova, Marketa Skrobackova
-
- PA3890 Fractionated exhaled nitric oxide in COPD patients**
Desiree Schumann (Basel, Switzerland), Konstantinos Kostikas, Daniel Schilter, Renaud Louis, Leticia Grize, Michael Tamm, Daiana Stolz
-
- PA3891 Differences of clinical characteristics and phenotype between biomass and tobacco related COPD**
Fatma Çiftci (Ankara, Turkey), AYCAN YUKSEL
-
- PA3892 Introducing a new prognostic instrument for long-term mortality prediction among COPD patients - the CADOT index.**
Kristian Brat (Brno, Czech Republic), Marek Plutinsky, Jaromir Zatloukal, Eva Volakova, Michal Svoboda, Marketa Skrobackova, Patrice Popelkova, Barbora Novotna, Vladimir Koblizek, Tomas Dvorak, Ondrej Kudela, Pavlina Musilova, Katerina Neumannova, Eva Kocova, Petr Vanik, Martijn Spruit, Frits Franssen, Lowie Vanfleteren
-
- PA3893 Influence of changes in physical activity (PA) and exercise capacity on mortality and quality of life (QL) in COPD**
Amaia Aramburu Ojembarrena (Galdakao, Spain), Leyre Chasco Eguilaz, Ane Antón Ladislado, Fco Javier Moraza Cortés, Myriam Aburto Barrenechea, Susana Aizpiri Rivero, Patricia Garcia Hontoria, Cristobal Esteban Gonzalez
-
- PA3894 Comparison between population with severe (ZZ) and intermediate (MZ) alpha1-antitrypsin deficiency and established COPD**
Davide Piloni (Pavia, Italy), Maria Chiara Mennitti, Luciano Corda, Paolo Baderna, Stefania Ottaviani, Alice Maria Balderacchi, Valentina Barzon, Claudio Tirelli, Federica Albicini, Fabio Spreafico, Laura Saderi, Giovanni Sotgiu, Ilaria Ferrarotti, Angelo Guido Corsico
-
- PA3895 Does Aspergillus fungal sensitisation define asthma severity in difficult asthma? Findings from WATCH.**
Heena Mistry (Southampton (Hampshire), United Kingdom), Adnan Azim, Anna Freeman, Matt A E Harvey, Clair Barber, Colin Newell, Hans Michael Haitchi, Ramesh J Kurukulaaratchy
-
- PA3896 Predicting Recurrent Oral Corticosteroid Use in the WATCH cohort**
Anna Freeman (Southampton, United Kingdom), Adnan Azim, Heena Mistry, Colin Newell, Clair Barber, Matthew Harvey, Hans Michael Haitchi, Paddy Dennison, Ramesh Kurukulaaratchy
-
- PA3897 Chronic Obstructive Pulmonary Disease (COPD) in patients of Chinese ethnicity reveal clinically relevant phenotypes**
Pei Yee Tiew (Singapore, Singapore), Fanny Wai San Ko, Huiying Xu, Mau Ern Poh, Jayanth Kumar Narayana, Gerald Jiong Hui Sim, Han Yee Neo, Li-Cher Loh, Choo Khoon Ong, Jessica Han Ying Tan, N H Kamaruddin, Therese Sophie Lapperre, John Arputhan Abisheganaden, Augustine Kim Huat Tee, Sanjay Haresh Chotirmall
-
- PA3898 Factors associated with chronic obstructive pulmonary disease exacerbation, based on big data analysis**
Woo Ho Ban (Seoul, Republic of Korea), Jongmin Lee, Chin Kook Rhee, Sang Haak Lee
-
- PA3899 Functional and inflammatory bowel diseases in patients with chronic obstructive pulmonary disease (COPD).**
Elena Klester (Barnaul (Altai Region), Russian Federation), Karolina Klester, Antonina Berdyugina, Irina Belova
-
- PA3900 Bone health of patients with COPD in relation to their exercise capacity and gait speed**
Zinka Matković (Zagreb, Croatia), Danijel Cvetko, Dario Rahelić, Cristina Esquinas, Marko Žarak, Neven Tudorić, Marc Miravtllés
-
- PA3901 Chronic bronchitis affects mortality in smokers with and without COPD**
Umberto Semenzato (PADOVA, Italy), Davide Biondini, Matteo Bonato, Mariaenrica Tinè, Erica Bazzan, Kim Lokar Oliani, Josè Maria Marin, Manuel Garcia Cosio, Marina Saetta, Graziella Turato

PA3902 **Chronic Obstructive Pulmonary Disease Due to Biomass Smoke or Tobacco as risk factor to cachexia.**
Dulce Gonzalez (Ciudad de México, Mexico), Arturo Orea Tejeda, Rafael Hernández Zenteno, Laura Flores Cisneros, Rocío Sánchez Santillán, Alan Aldair Ibarra Fernández, Samantha Hernández López, Yuridia Pilotzi Montiel, Fernanda Salgado Fernández, Angelia Jiménez Valentín

PA3903 **Predictive factors for the incidence of lung cancer (LC) complicated in patients with chronic obstructive pulmonary disease (COPD)**
Hiroyoshi Machida (Yamagata, Japan), Hiroshi Nakano, Kento Sato, Masamichi Sato, Akira Igarashi, Yoshikane Tokailin, Sumito Inoue, Masafumi Watanabe

7B **Session 425** **10:45 - 12:45**

Poster discussion: Insights into physiological diagnostic services

Disease(s) : **Airway diseases** **Sleep and breathing disorders** **Interstitial lung diseases** **Thoracic oncology** **Pulmonary vascular diseases**

Method(s) : Pulmonary function testing Epidemiology Physiology General respiratory patient care Public health Pulmonary rehabilitation

Chairs : Aisling McGowan (Dublin, Ireland), Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom)

PA3904 **Late Breaking Abstract - Technical validation of breath analysis by eNose in disease diagnosis: Tidal breathing vs. vital capacity manoeuvre**
Rianne de Vries (Amsterdam, Netherlands), Yennece Dagelet, Erica Dijkers, Paul Brinkman, Niloufar Farzan, Anke-Hilse Maitland - Van Der Zee, Frans De Jongh, Eric Haarman, Hans In 'T Veen, Paul Baas, Annelies Lucas, Peter J. Sterk

PA3905 **Short term intra-individual variability of respiratory resistance measured by forced oscillation technique in healthy adults and adults with obstructive airway diseases**
Sajal De (Bhopal (Madhya Pradesh), India), Nalok Banerjee, Gagan Deep Singh Kushwah, Dharmendra Dharwey

PA3906 **Is spirometry easy to perform, even when you are over 80 years old?**
Daniel Schuermans (Bruxelles, Belgium), Aziz Debain, Ivan Bautmans, Shane Hanon, Eef Vanderhelst

PA3907 **Validation of nitric oxide transfer factor predicted equations.**
Matthew Austin (Sheffield, United Kingdom), Laurie Smith, James Eaden, Helen Marshall, Jim Wild

PA3908 **Quality of spirometry and diffusion of the lung (DLCO) data in patients with systemic sclerosis.**
Carl D. Mottram (Rochester, United States of America), Carl Mottram, Grant Sowman, Celia Jf Lin

PA3909 **Reproducibility of the Vivatmopro measurements for exhaled nitric oxide values**
Rita Amaral (Porto, Portugal), Cristina Jácome, Rute Almeida, Ana Sá-Sousa, Bernardo Pinho, Rui Guedes, Tiago Jacinto, João Fonseca

PA3910 **Risk factors for new-onset atrial fibrillation in patients with asthma-COPD overlap syndrome (ACOS)**
Olga Nesterovska (Chernivtsi, Ukraine), Ganna Stupnytska, Oleksandr Fediv, Anastasiia Stupnytska

PA3911 **Light exercise during a Hypoxic Challenge Test alters recommendations for air travel.**
Ashvin Isaac (Westminster, Australia), William Noffsinger, Christopher Kosky, Bhajan Singh

PA3912 **Slow vital capacity : differences between expiratory and inspiratory vital capacities**
Raquel Barros (Lisboa, Portugal), Liliana Raposo, Nuno Moreira, Margarida Rocha, Paula Calaça, Ana Sofia Oliveira, João Valença, Cristina Bárbara

PA3913 **The effects of single breath gas transfer measurements on carboxyhemoglobin levels over the period of a working day.**
Ella O'Neill (Somersham (Cambridgeshire), United Kingdom), Matthew Rutter, Karl Sylvester

PA3914 **Predicting maximal heart rate (HRMax) in patients on β -blockers from a cardiopulmonary exercise test (CPET)**
Adrian Hugh Kendrick (Bristol (Avon), United Kingdom)

PA3915 **The effect of salbutamol on pulmonary diffusing capacity**
Liliana Raposo (Queijas, Portugal), Ricardo Monteiro, Ismael Arranhado, João Picado, Ana Sofia Oliveira, João Valença, Cristina Bárbara

PA3916 **Effect of weight loss or gain on spirometry in obese adults.**
Ellie Oostveen (Edegem (Antwerp), Belgium), Kevin De Soomer, Sien Piedfort, Hilde Cuypers, Johan Verbraecken, Hilde Vaerenberg

PA3917 **Hypoxic challenge test and sleep study results in chronic lung disease patients**
Stephanie Rees (London, United Kingdom), Mollie Riley, Katy Pike, Aidan Laverty

PA3918 Cardio-Pulmonary function in adolescents with Pectus Excavatum and the impact of surgical intervention
Paul Burns (Glasgow (Glasgow), United Kingdom), James Paton, Carl Davis, James Andrews, Ashley Johnstone

PA3919 Lung function in relation to emphysema development in alpha-1 antitrypsin deficiency
James Stockley (Birmingham (West Midlands), United Kingdom), Diana Crossley, Robert Stockley, Elizabeth Sapey

PA3920 On the temporal characterisation of novel capnometric indices for personalised monitoring and treatment optimisation of COPD
John Altrip (Gerrards Cross (Buckinghamshire), United Kingdom), Karl Sylvester, Ravi Mahadeva, Julian Carter, Matthew Haines, Jeremy Walsh, John Foord

RETIRO

Session 426

10:45 - 12:45

Poster discussion: Lung function and respiratory muscle testing

Disease(s) : Airway diseases Interstitial lung diseases Sleep and breathing disorders Respiratory critical care

Method(s) : Pulmonary function testing Imaging Physiology General respiratory patient care Pulmonary rehabilitation Cell and molecular biology Endoscopy and interventional pulmonology

Chairs : Asterios Kampouras (Thessaloniki, Greece), J. Alberto Nader (Kingston (ON), Canada)

PA3921 Increasing CPAP (Continuous Positive Airway Pressure) leads to increasing trans-pulmonary pressure with increased activity of the abdominal wall muscles to aid Expiration.
Michael Apps (Brentwood, United Kingdom), Matthew Pavitt, Andrew Lewis, Christopher Orton, Ahmad Sadaka, Justin Garner, Matthew Hind, Nicholas Hopkinson, James Hull, Michael Polkey

PA3922 Impact of long-term oxygen therapy on diaphragm function and pulmonary-cardiac hemodynamics in patients with COPD with hypoxemia (3-year assessment)
Natalia Kuzubova (St. Petersburg, Russian Federation), Olga Titova, Daria Sklyarova, Elizaveta Volchkova

PA3923 Inspiratory and expiratory muscle weakness in facioscapulohumeral muscular dystrophy
Jens Spiesshoefer (Münster, Germany), Carolin Henke, Hans-Joachim Kabitz, Simon Herkenrath, Winfried Randerath, Tobias Brix, Peter Young, Matthias Boentert

PA3924 Bronchial thermoplasty effect on ventilation guided by hyperpolarized 129Xe MRI in severe asthma
Chase Hall (Overland Park, United States of America), James Quirk, Charles Goss, Daphne Lew, Jim Kozlowski, Robert Thomen, Jason Woods, Nicholas Tustison, John Mugler, Lora Gallagher, Tammy Koch, Ken Schechtman, Iulian Ruset, William Hersman, Mario Castro

PA3925 Overuse of asthma medications in athletes with EILO.
Ida Jansrud Hammer (Nestun, Norway), Maria Vollsæter, Ola Røksund, Thomas Halvorsen, Hege H. Clemm

PA3926 Convolutional neural network (CNN) for interstitial lung disease (ILD) patterns recognition
Lorenzo Aliboni (Milan, Italy), Francesca Pennati, Olivia Dias, Bruno Baldi, Marcio Sawamura, Rodrigo Chate, Carlos Roberto De Carvalho, Andrea Aliverti

PA3927 A textural approach for quantitative CT in chronic hypersensitivity pneumonitis (cHP).
Francesca Pennati (Milano (MI), Italy), Olivia Dias, Alessio Antoniazza, Davide Beretta, Lorenzo Aliboni, Bruno Guedes Baldi, Márcio Sawamura, Rodrigo Caruso Chate, Carlos Roberto Ribeiro De Carvalho, André Albuquerque, Andrea Aliverti

PA3928 Effects of prior self-control exertion on inspiratory muscle endurance, fatigue and dyspnoea
Michael Johnson (Nottingham (Nottinghamshire), United Kingdom), Nathan Edgar, Graham Sharpe, Ruth Boat

PA3929 Managing COPD with expiratory or inspiratory muscle training based on the prolonged expiration pattern
Keisuke Miki (Toyonaka, Japan), Kazuyuki Tsujino, Mari Miki, Kenji Yoshimura, Hiroyuki Kagawa, Yohei Oshitani, Yuko Ohara, Saeko Nakatsubo, Reina Hara, Ami Iwai, Seigo Kitada

PA3930 Inspiratory muscle dysfunction relates to clinical disease severity in patients with type I myotonic dystrophy
Jens Spiesshoefer (Münster, Germany), Carolin Henke, Hans-Joachim Kabitz, Tobias Brix, Simon Herkenrath, Winfried Randerath, Peter Young, Matthias Boentert

PA3931 Ventilometry: a new assessment of respiratory function based on tidal breathing
Pierantonio Laveneziana (Paris, France), Patrick Hanusse, Christian Straus, Pierre-Olivier Girodet, Patrick Berger, Thomas Similowski

PA3932 Assessment of inspiratory muscle activation using surface mechanomyography in COPD patients with comorbid heart failure
Luis Carlos Estrada Petrocelli (Barcelona, Spain), Manuel Lozano-García, Anna Moore, Peter Siu Pan Cho, Selim Maxwell, Abel Torres, Leonardo Sarlabous, Gerrard Rafferty, John Moxham, Raimon Jané, Caroline Jolley

- PA3933 Do the 2012 spirometric Global Lung Function Initiative equations accurately diagnose restriction in the extreme obese?**
Mathieu Marillier (Kingston, Canada), Anne-Catherine Bernard, Danilo C Berton, Gabriel Reimao, Giovana Castelli, Denis E O'Donnell, J Alberto Neder
- PA3934 DEFICIENT MUSCLE REGENERATION POTENTIAL IN SARCOPENIC COPD PATIENTS: ROLE OF SATELLITE CELLS**
Esther Barreiro Portela (Barcelona, Spain), Antonio Sancho-Muñoz, Maria Guitart, Kseniya Ihnatsiuk, Joaquim Gea, Diego Rodriguez, Juana Martinez-Llorens
- PA3935 Shortening velocity, contractile and relaxation properties and EMG changes of inspiratory ribcage muscles after fatigue in health subjects**
Guilherme Fregonezi (Rio Grande do Norte, Brazil), Antonio Sarmento, Maria Lira, Layana Marques, Francesca Pennati, Vanessa Resqueti, Andrea Aliverti
- PA3936 Dynamic compliance and forced oscillatory reactance in older non-smokers with asthma and fixed airflow obstruction**
Katrina Tonga (Sydney (NSW), Australia), Timothy Durack, David Chapman, Cindy Thamrin, Gregory King
- PA3937 Dynamic Chest Radiography Measured Postretroanterior Total Lung Area Correlates with FEV1 in Healthy Volunteers and COPD Patients**
Mark Ambrose (Liverpool, United Kingdom), Sarika Raghunath, Harsh Agarwal, Kellan Masharani, Reynaldo Martina, Livingstone Chishimba, Diana Penha, Hassan Burhan
- PA3938 Prevention of altitude-related illness in patients with COPD by acetazolamide. RCT.**
Michael Furian (Zürich, Switzerland), Aline Buerger, Philipp M. Scheiwiller, Laura Mayer, Simon Schneider, Maamed Mademilov, Berik Emilov, Mona Lichtblau, Lara Muralt, Ulan Sheraliev, Nuriddin H. Marazhapov, Talant M. Sooronbaev, Silvia Ulrich, Konrad Ernst Bloch

No Room Session 12:00 - 14:30

Game Zone: GAME ZONE - SESSION 8

- 12:00 Bronchoscopy**
Molla Imaduddin Ahmed (Leicester (Leicestershire), United Kingdom)
- 12:00 Chest drain placement**
Duneesha De Fonseka (Sheffield, United Kingdom)
- 12:00 Cryobiopsy**
Julia N.S. d'Hooghe (Amsterdam, Netherlands)
- 12:00 Endobronchial valve placement**
Fausto Leoncini (Montespertoli (FI), Italy)
- 12:00 Inspiratory muscle training**
Mariana Hoffman (Belo Horizonte (MG), Brazil)
- 12:00 Rigid bronchoscopy**
Mounir Ghali (Grand Rapids, United States of America)
- 12:00 Spirometry**
Elise M.A. Slob (Amsterdam, Netherlands)
- 12:00 Thoracic ultrasound**
Pieter-Paul W. Hekking (Amsterdam, Netherlands)
- 12:00 Tracheal intubation**
Siva Yuvarajan (PONDICHERRY (Tamil Nadu), India)

TP-01 Session 431 12:50 - 14:40

Thematic poster: Pulmonary hypertension: new therapeutic pathways and modalities

Disease(s) : Pulmonary vascular diseases

Method(s) : Physiology Cell and molecular biology General respiratory patient care Palliative care

Chairs : Jurjan Aman (Amsterdam, Netherlands), Catharina Belge (Leuven, Belgium), Harm Jan Bogaard (Amsterdam, Netherlands), Silvia Ulrich (Zurich, Switzerland)

- PA3945** **Late Breaking Abstract - Effects of preventive exercise in monocrotaline rat model with pulmonary hypertension**
Francis Pacagnelli (Santo Anastácio, Brazil), Thaoan Mariano, Ana Karenina Sabela, Raissa Dias, Ana Paula Freire, Luis Antônio Junior, Lauren Schaffer, Robson Carvalho, Katashi Okoshi
-
- PA3946** **Late Breaking Abstract - The effect of exercise rehabilitation on cardiac function, measured by cardiac MRI, in patients with pre-capillary pulmonary hypertension.**
Michael McGettrick (Glasgow (Glasgow), United Kingdom), Geeshath Jayasekera, Melanie Brewis, Colin Church, Martin Johnson, Alison Mackenzie
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- PA3947** **Late Breaking Abstract - Supplementation of iron in pulmonary hypertension (SIPHON): results from a randomised controlled crossover trial**
Luke Howard (London, United Kingdom), Jian-Guo He, John Wharton, Geoffrey Watson, Henning Gall, Hossein Ghofrani, Li Huang, David Kiely, Qin Luo, Karen Sheares, Lan Zhao, Martin Wilkins
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- PA3948** **Late Breaking Abstract - Morphine for dyspnea in advanced pulmonary arterial hypertension**
David Christiansen (Winnipeg, Canada), Kirsten Wentlandt, Judy Lew, John Granton
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- PA3949** **Late Breaking Abstract - Inflammation and metabolic syndrome exacerbate pulmonary hypertension associated with left heart disease.**
François Potus (Kingston, Canada), Benoit Ranchoux, Valerie Nadeau, Sandra Breuils-Bonnet, Junichi Omura, Murette André, Jocelyn Dupuis, Philippe Pibarot, Roxane Paulin, Olivier Boucherat, Steeve Provencher, Stephen L Archer, Sebastien Bonnet
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- PA3950** **Late Breaking Abstract - The effect of altering gut microbiota on the development of pulmonary hypertension**
Takayuki Jujo (Chiba, Japan), Nobuhiro Tanabe, Koji Hosomi, Hiroki Shoji, Jonguk Park, Yumiko Ikubo, Asako Yanagisawa, Takayuki Kobayashi, Keiko Yamamoto, Hideki Miwa, Akira Naito, Hajime Kasai, Rika Suda, Ayumi Sekine, Rintaro Nishimura, Toshihiko Sugiura, Ayako Shigeta, Seiichiro Sakao, Kenji Mizuguchi, Jun Kunisawa, Koichiro Tatsumi
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- PA3951** **Late Breaking Abstract - Screening of pulmonary arterial hypertension in asymptomatic BMPR2 mutation carriers (DELPHI-2 Study)**
David Montani (Le Kremlin-Bicêtre, France), Barbara Girerd, Xavier Jais, Laurent Savale, Pierantonio Laveneziana, Amir Bouchachi, Sebastien Hascoet, Sven Gunther, Laurent Godinas, Florence Parent, Christophe Guignabert, Philippe Herve, Gilles Garcia, Gérald Simonneau, Olivier Sitbon, Marc Humbert

TP-02

Session 432

12:50 - 14:40

Thematic poster: Innovations in care for chronic respiratory conditions

Disease(s) : Airway diseases Sleep and breathing disorders Interstitial lung diseases Respiratory critical care Thoracic oncology

Method(s) : Pulmonary rehabilitation General respiratory patient care Physiology Palliative care Pulmonary function testing Surgery

Chairs : Anne Edvardsen (Hakadal, Norway), Alex J Van 't Hul (Bavel, Netherlands), Fabio Pitta (Londrina, Brazil), Laura Ciobanu (Iasi (Iasi), Romania)

- PA3952** **Evaluation of the effects of the COPDnet comprehensive care model; an interim analysis**
Alex J Van 't Hul (Bavel, Netherlands), Noortje Koolen, Philip Van Der Wees, Gert Westert, Jeanine Antons, Richard Dekhuijzen, Michel Van Den Heuvel
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- PA3953** **Effectiveness of nebulised hypertonic saline on the respiratory management of children and young people with neuromuscular disease**
Natalia Galaz Souza (Nottingham (England), United Kingdom), Andrew Bush, Hui-Leng Tan
-
- PA3954** **An integrated asthma care pathway: a simple multifunctional tool to facilitate safe early hospital discharge and improved follow-on care in the community**
Kay Roy (St Albans (Hertfordshire), United Kingdom), Audrey Marau, Lawrence Gora, Jenny Shreshta, Maria Buxton
-
- PA3955** **Digital technology access among patients with chronic respiratory diseases**
Cristina Isabel Oliveira Jácome (Viatodos, Portugal), Fábio Marques, Cátia Paixão, Patrícia Rebelo, Ana Oliveira, Joana Cruz, Célia Freitas, Marília Rua, Helena Loureiro, Cristina Peguinho, Adriana Simões, Madalena Santos, Carla Valente, Paula Simão, Alda Marques
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- PA3956** **Education and support needs for home mechanical insufflation-exsufflation**
Louise Rose (Toronto (ON), Canada), Doug Mckim, Reshma Amin, Sarah Cabone, Tom Fisher, Roger Goldstein, Sherri Katz, David Leasa, Mika Nonoyama, Regina Pizutti, Tasnim Sinuff, Anu Tandon, Craig Dale
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- PA3957** **Heterogeneity of Danish lung choirs and their singing leaders – a study of performance, experiences, and attitudes in an emerging field**
Mette Kaasgaard (Copenhagen, Denmark), Ingrid Charlotte Andersen, Peter Vuust, Ole Hilberg, Anders Loekke, Uffe Boedtger

- PA3958** **Effect of gastrostomy insertion and age on the survival of patients with motor neuron disease (MND) using home non-invasive ventilation**
John Seymour (Farnham, United Kingdom), John Seymour, Iain Wheatley, Elizabeth Spillan-Ind, Timothy Ho
- PA3959** **The relationships among light physical activity and moderate-to-vigorous physical activity in patients following lung resection for non-small cell lung cancer**
Yorihide Yanagita (Hamamatsu, Japan), Masaki Oomagari, Hikaru Matiguchi, Shinichi Arizino, Yuichi Tawara, Ryo Kozu
- PA3960** **Investigation of the Effect of Upper Extremity Robotic Rehabilitation Approach on Respiratory Muscle Strength in Stroke**
Abdurrahim Yildiz (Istanbul, Turkey), Rustem Mustafaoglu, Fuat Caglayan, Fatma Nur Kesiktas
- PA3961** **Integrating patients with respiratory and cardiac disease in one rehabilitation programme: clinical outcomes of a pragmatic service evaluation.**
Mark Orme (Leicester (Leicestershire), United Kingdom), Linzy Houchen-Wolloff, Amy Stenson, Enya Daynes, Stacey Chantrell, Emma Chaplin, Amye Watt, Claire Bourne, Nikki Gardiner, Sally Singh
- PA3962** **EXTRARESPIRATORY SYMPTOM BURDEN IN PATIENTS HOSPITALIZED FOR A COPD EXACERBATION: IT'S NOT ONLY ABOUT RESPIRATORY SYMPTOMS**
Sabina Antoniu (Iasi (Iasi), Romania), Anca Apostol, Lucian Boiculescu
- PA3963** **COMORBIDITIES AND EXERCISE CAPACITY IN PATIENTS WITH OSTRUCTIVE SLEEP APNOEA**
Michele Vitacca (Gussago (BS), Italy), Mara Paneroni, Maria Aliani, Guido Patrizia, Francesco Fanfulla, Mario Pertosa, Piero Ceriana, Elisabetta Zampogna, Rita Raccanelli, Nicola Sarno, Alberto Braghiroli, Antonio Spanevello, Mauro Maniscalco, Nicolino Ambrosino
- PA3964** **Experiences of staff involved in delivering a novel breathlessness rehabilitation service: results from qualitative focus groups.**
Enya Daynes (Leicester, United Kingdom), Linzy Houchen-Wolloff, Amy Stenson, Stacey Chantrell, Emma Chaplin, Amye Watt, Mark Orme, Claire Bourne, Nikki Gardiner, Sally Singh
- PA3965** **Forecasting model for illness behavior types in COPD patients**
Yanina Galetskayte (Moscow, Russian Federation), Svetlana Ovcharenko, Beatrice Volel, Ilya Pluzhnikov, Anatoliy Simonov, Sergey Khrushchev
- PA3966** **A novel intelligent portable home oxygen therapy unit for patients with chronic respiratory failure**
Antonio Leon Jimenez (Cádiz, Spain), Maria Pérez Morales, Alejandro Lara Doña, Miguel Angel Fernández Granero, Daniel Sánchez Morillo
- PA3967** **A Breathlessness intervention service for Respiratory patients-who really benefits?**
Kate Ford (Bristol (Avon), United Kingdom), Jennifer Rutherford, Rosalyn Badman
- PA3969** **Association between peripheral and central vascular parameters with pulse wave velocity, a marker of arterial stiffness, in stable COPD patients**
Maria da Gloria Rodrigues Machado (Belo Horizonte (MG), Brazil), Hugo Goretti, Carolina Colácio, Claudineia Otoni-Simões
- PA3970** **Relationship between sarcopenia and malnutrition in patients with stable COPD in JAPAN**
Hiroyuki Nakamura (kagawa, Japan), Nobuyuki Kita, Kiyotaka Tanimoto, Chiaki Kunikata, Teruhisa Taoka
- PA3971** **Prevalence of the latent sarcopenia in overweight or obese COPD patients**
Vitalii Poberezhets (Vinnytsia, Ukraine), Yuriy Mostovoy, Anna Demchuk

TP-03

Session 433

12:50 - 14:40

Thematic poster: Novel interventions and models of pulmonary rehabilitation

Disease(s) : **Airway diseases** Pulmonary vascular diseases Thoracic oncology

Method(s) : Pulmonary rehabilitation General respiratory patient care Palliative care Pulmonary function testing

Chairs : Elena Gimeno-Santos (Barcelona, Spain), Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Janos Tamas Varga (Budapest, Hungary), Ioannis Vogiatzis (Newcastle upon tyne (Tyne and Wear), United Kingdom)

- PA3972** **In COPD, FiO2 decrease during nocturnal non-invasive ventilation compared to normobaric O2 therapy**
Philippe Goutorbe (Toulon, France), Mickael Cardinale, Erwan Daranda, Olivier Castagna, Julien Bordes, Pierre Esnault, Eric Meaudre
- PA3973** **Effects of long-term humidification therapy in bronchiectasis patients and overlap (bronchiectasis/asthma)**
Maurizia Lanza (Lusciano (CE), Italy), Anna Annunziata, Angela Di Giorgio, Rosa Causeruccio, Valentina Di Spirito, Ilernando Meoli, Francesco Stefanelli, Francesco De Simone, Giuseppe Fiorentino

- PA3974 Hospital based Home Care Program, for technology depended children. Its benefit for the Health Care System.**
Fotios Kirvassilis (Oraiokastro, Greece), Elisavet-Anna Chrysochoou, Elpis Hatziagorou, John Tsanakas
-
- PA3975 Clinical effectiveness and models of pulmonary rehabilitation in low-resource-settings: a systematic review**
Monsur Habib (KHULNA, Bangladesh), Roberto Rabinovich, Kalyani Divgi, Salahuddin Ahmed, Samir Saha, Sally Singh, Aftab Uddin, Nazim Uzzaman, Hilary Pinnock
-
- PA3976 Hospital based Home Care Program for technology depended children. Which is the impact on their family's daily life?**
Fotios Kirvassilis (Oraiokastro, Greece), Elisavet-Anna Chrysochoou, Elpis Hatziagorou, John Tsanakas
-
- PA3977 Outcome of weekly Consultant-Led Multidisciplinary Meetings in Pulmonary Rehabilitation**
Maria Koulopoulou (London, United Kingdom), Charles C Reilly, Peter S P Cho, Tanya Grant, Victoria Lord, Irem S Patel
-
- PA3978 Reasons of non-adherence to telemonitoring programs in patients with chronic respiratory diseases.**
Eva Catarina dos Santos Vieira Brysch, Catarina Santos, Rui César Das Neves, Fátima Rodrigues, Cristina Bárbara
-
- PA3979 Comparison of endurance shuttle walk test and cycle endurance test in pulmonary rehabilitation program**
Živa Zdolšek Sluga (Laško, Slovenia), Anja Groselj, Irena Sarc, Tomaz Hafner
-
- PA3980 The whole-body electromyostimulation associated to active exercises enhance functional capacity but not on the cardiac autonomic modulation, in early rehabilitation after bariatric surgery**
Audrey Borghi Silva (São Carlos (SP), Brazil), Paula Angélica Ricci, Luciana Di Thommazo-Luporini, Larissa Delgado André, Soraia Pilon Jürgensen
-
- PA3981 Improvement of hypoxemia in patients affected by Pulmonary Arterial Hypertension (PAH) after a session of Controlled Breathing (CB)**
Lisa Pancini (Milano (MI), Italy), Azzurra Cesoni Marcelli, Maria Silvia Lattarulo, Patrycja Krasinska, Grazia Lacala, Rita Raccanelli, Marinella Sommaruga, Laura Adelaide Dalla Vecchia, Maurizio Bussotti
-
- PA3982 Fat free mass index of patients with chronic obstructive pulmonary disease in relation to disease severity quality of life and exercise capacity**
Sonia Toujani Chekki (Tunis, Tunisia), Abir Hedhli Ep Cherni, Azza Slim, Sana Cheikhrouhou, Yacine Ouahchi, Meriem Mjid, Samira Meraï
-
- PA3983 Continuous measurement of combined oximetry and transcutaneous carbon dioxide in patients with opioid-treated chronic pain in a palliative care setting.**
Prashant Nemichand Chhajed (Mumbai, India), Anne Leuppi-Taegtmeier, M. Salome Shwarz-Zindel, Thomas Dieterle, Ben Zylicz, Joerg D Leuppi
-
- PA3984 Survival in COPD patients under long-term oxygen therapy**
Francois Alexandre (Lodeve, France), Alain Varray, Yannick Stéphan, Maurice Hayot, Nelly Heraud
-
- PA3985 Increasing Pulmonary Rehabilitation Referrals in COPD Patients: A Quality Improvement Initiative**
Catherine Meldrum (Ann Arbor, United States of America), Steven Huang, Melissa Mcinroy, Sunasia Echols, Wassim Labaki, Rommel Sagana, Meilan Han
-
- PA3986 An integrated nurse-led community home oxygen service (HOS) improves patient centred working and experience and reduces costs.**
Kay Roy (St Albans (Hertfordshire), United Kingdom), Glenda Esmond, Gillian Litchfield, Corina Ciobanu, Sapana Sheth, David Evans
-
- PA3987 Factors associated with fatigue in chronic obstructive pulmonary disease: a cross-sectional study**
Marli Maria Knorst (Porto Alegre (RS), Brazil), Patrícia Chaves Coertjens, Marcelo Coertjens, Ana Cláudia Coelho
-
- PA3988 UK Opinions on provision of Home Oxygen in current smokers**
Claire Davey (London, United Kingdom), Jane Simpson, Richa Singh
-
- PA3989 Body composition analysis in COPD patients admitted in ICU with acute exacerbation**
Ankit Kumar Sinha (Ghaziabad (Uttar Pradesh), India)

TP-04

Session 434

12:50 - 14:40

Thematic poster: Innovations in primary care assessment and management

Disease(s) : Respiratory critical care Airway diseases Interstitial lung diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Public health Epidemiology Pulmonary function testing Palliative care

Chairs : Ioanna Tsiligianni (Heraklion (Crete), Greece), Karin Lisspers (Gagnef, Sweden), James Fingleton (Wellington, New Zealand), Peymane Adab (Birmingham (West Midlands), United Kingdom)

- PA3990 Do interventions that address health literacy needs improve self-management among people with asthma? A systematic review.**
Hani Syahida Salim (Selangor, Malaysia), Ingrid Young, Lee Ping Yein, Sazlina Shariff Ghazali, Siti Nurkamilla Ramdzan, Hilary Pinnock
-
- PA3991 Peripheral blood gene expression in COPD patients with morning symptoms**
Amanda R. van Buul (Leiden, Netherlands), Marise J. Kasteleyn, Suzanne Van Veen, Tom H.M. Ottenhoff, Pieter S. Hiemstra, Marielle C. Haks, Niels H. Chavannes, Christian Taube
-
- PA3992 Diagnostic accuracy of COPD severity grading using machine learning features and lung sounds.**
Yogesh Thorat (Pune (Maharashtra), India), Shrikant Pawar, Sundeep Salvi, Vandana Das, Rich Fletcher, Anish Anand, Dan Chamberlain
-
- PA3993 Asthma patients' views and experiences of self-management in Malaysia: a qualitative study.**
Wen Ming Koh (Kuala Lumpur, Malaysia), Ee Ming Khoo, Ahmad Ihsan Abu Bakar, Norita Hussein, Hilary Pinnock, Su May Liew, Nik Sherina Hanafi, Yong Kek Pang, Bee Kiau Ho, Mohamed Isa Salbiah
-
- PA3994 Fine crackles quantitative value can help the diagnosis of interstitial lung diseases – Clinical utility of the innovative analyzing system of respiratory sounds**
Yasushi Horimasu (Hiroshima, Japan), Shinichiro Ohshimo, Kakuhiro Yamaguchi, Shinjiro Sakamoto, Takeshi Masuda, Taku Nakashima, Shintaro Miyamoto, Hiroshi Iwamoto, Takuma Sadamori, Kazunori Fujitaka, Hironobu Hamada, Nobuaki Shime, Noboru Hattori
-
- PA3995 Effectiveness and acceptability of a smart inhaler asthma self-management programme: a cluster RCT study protocol**
Janwillem W. H. Kocks (Groningen, Netherlands), Susanne J. van de Hei, Charlotte C Poot, Eline Meijer, Ester I Metting, Maarten J Postma, Job F M Van Boven, Niels H Chavannes
-
- PA3996 Developing a patient-centred template for asthma reviews: an IMP2ART implementation strategy**
Kirstie McClatchey (Edinburgh, United Kingdom), Aimee Sheldon, Elizabeth Steed, Stephanie Taylor, Hilary Pinnock, Charlotte Ridgway, Oliver Taylor, Victoria Carter, Francis Appiagyei, David Price
-
- PA3997 Adherence to GOLD 2017 Guideline and factors for pharmacological treatment adjustment in Swiss Pulmologists and General Practitioners**
Jörg Leuppi (Liestal, Switzerland), Joana Marmy, Jens Diedrich, Thomas Dieterle, Prashant N. Chhajed
-
- PA3998 Is electronic diary alert a false alarm in clinical studies?**
Wai Yee James (London, United Kingdom), David Collier
-
- PA3999 How can the data derived Bayesian network model help for screening of respiratory diseases?**
Yogesh Thorat (Pune (Maharashtra), India), Anish Anand, Rich Fletcher, Shrikant Pawar, Vandana Das, Sundeep Salvi
-
- PA4000 Relationship between asthma control and medication adherence in children managed in primary care**
Razi Paracha (Leicester, United Kingdom), David Lo, Ursula Montgomery, Erol Gaillard
-
- PA4001 Implementation of simplified method for SAHS diagnosis in primary care**
Cristina Munoz-Pindado (Vic (Barcelona), Spain), Verónica Arribas-Peña, Edwin Muñoz-Herrera, Sara Sánchez-Belmonte, Betlem Mateu-Carralero, Anna Darnés-Surroca, María Callís-Privat, Inmaculada Casademunt-Codina, Fernando Ruiz-Mori, Núria Roger-Casals
-
- PA4002 Developing an education package for the IMP2ART programme; implementing supported asthma self-management in primary care**
Viv Marsh (Warwickshire), United Kingdom), Julia Neal, Kirstie McClatchey, Elizabeth Steed, Stephanie Taylor, Hilary Pinnock
-
- PA4003 A systematic diagnostic evaluation combined with an internet-based support system for asthma/COPD**
Marise Kasteleyn (Leiden, Netherlands), Amanda R. van Buul, Thomas S. Wildschut, Tobias N. Bonten, Annelies M. Slats, Niels H. Chavannes, Christian Taube
-
- PA4004 A randomized cross-over study of user satisfaction with inhalant devices in asthma patients**
Hiroyuki Ohbayashi (Kitanagoya City (Aichi), Japan), Takamitsu Asano, Sahori Kudo, Mitsue Ariga
-
- PA4005 Oral manifestations in asthmatic patients using metered dose inhaler and dry powder inhaler**
Hedieh Amin Moghadassi (Tehran, Islamic Republic of Iran), Atefeh Fakharian, Alireza Eslaminejad, Masoumeh Mehdipour, Saranaz Azari-Ma
-
- PA4006 Interviewing the breathless COPD participant**
Su May Liew (Kuala Lumpur, Malaysia), Ee Ming Khoo, Hilary Pinnock, Sylvia Mccarthy, Zee Nee Lim, Yong Kek Pang, Nik Sherina Hanafi, Norita Hussein, Ahmad Ihsan Abu Bakar, Marilyn Kendall, Aziz Sheikh

- PA4007** **Involving patients in developing, refining and testing an implementation strategy to promote asthma self-management using the National Standards for Public Involvement**
Tracy Jackson (Edinburgh (Edinburgh), United Kingdom), Elisabeth Ehrlich, Kirstie Mcclatchey, Susan Morrow, Steph Taylor, Hilary Pinnock

TP-05

Session 435

12:50 - 14:40

Thematic poster: Recent developments in intensive care unit medicine**Disease(s) :** Respiratory critical care Interstitial lung diseases**Method(s) :** Respiratory intensive care Imaging General respiratory patient care**Chairs :** Vittoria Comellini (Bologna (BO), Italy), Zhonghua Shi (Amsterdam, Netherlands), Christian Bode (Bonn, Germany), Anna Geke Algera (Amsterdam, Netherlands)

- PA4008** **Recognizing the high-risk patients with sepsis on time: MEWS, qSOFA or SIRS?**
Biljana Joveš (Sremska Kamenica, Republic of Serbia), Dusanka Obradovic, Jovan Matijasevic, Stanislava Sovilj-Gmizic, Ivana Vujovic
- PA4009** **Influencing factors on changes of ICU family members satisfaction**
DONG YON KIM (SEOUL, Republic of Korea), Sung Wook Kang, Hye Ri Choi, Cheon Woong Choi, Yee Hyung Kim, Hye Sook Choi, Jung Mi Lee
- PA4010** **Development and assessment of an acute prehospital breathing difficulty scale - a population-based study**
Tim Lindskou (Aalborg, Denmark), Ulla Weinrich, Birgitte Laursen, Erika Christensen
- PA4011** **Airway care practices in ICUs in the Netherlands – a national survey**
Willemke Stilma (Amsterdam, Netherlands), Sophia Van Der Hoeven, Wilma Scholte Op Reimer, Louise Rose, Marcus Schultz, Frederique Paulus
- PA4012** **Association of gender on mortality in critically ill patients: A retrospective cohort study.**
Shinhee Park (Gangneung-si, Republic of Korea), Jinwon Huh, Younsuck Koh
- PA4013** **Transition percentage of minute volume (TMV%) as a novel predictor of weaning from mechanical ventilation in patients with chronic respiratory failure**
YaRu Liang, Yaokuang Wu, I-Shiang Tzeng, Pei-Yi Wu, Shiang-Yu Huang, Mei-Chen Yang, Chou-Chin Lan, Chin-Pyng Wu
- PA4014** **Physical and functional profile of ICU patients and correlation between functional scales**
Illia Lima (Natal (RN), Brazil), Gaby Kelly De Macedo, Esdras David De Souza, Joyce Thalita De Araújo, Juliana Simonelly Dos Santos, Lucien Peroni Gualdi
- PA4015** **Use of a hemi-cannula in tracheal stoma management in the context of a mechanical ventilation weaning and decannulation program. Analysis of our Intermediate Respiratory Care Unit's results from 2007 to 2017.**
Itziar Fernandez Ormaechea (Madrid, Spain), Pilar Carballosa De Miguel, Laura Alvarez Suarez, Alba Naya Prieto, Luis Jiménez Hiscock, Reyes Calzado López, Pablo López Yeste, Germán Peces-Barba Romero, Sarah Heili Frades
- PA4016** **Hand Grip Strength Predicts In-hospital Clinical Outcomes in Mechanically Ventilated Patients**
Chatkarin Tepwimonpetkun (Bangkok, Thailand), Narongkorn Saiphoklang
- PA4017** **Lung ultrasound aeration semi-quantification in invasively ventilated ICU patients - an alternative to B-line counting**
Marry Smit (Utrecht, Netherlands), Luigi Pisani, Ferdinand Van Der Heijden, Frederique Paulus, Ludo Beenen, Marcus Schultz, Lieuwe Bos
- PA4018** **A new treatment algorithm for acute exacerbation of IPF: a retrospective cohort study.**
Andrea Vianello (Padova (PD), Italy), Silvia Ferrarese, Beatrice Molena, Giovanna Arcaro, Fausto Braccioni, Luciana Paladini, Federico Gallan
- PA4019** **A UK District General Hospital experience of using High Flow Nasal Oxygen**
Manish Pagaria (Birmingham (West Midlands), United Kingdom), Bilal Shoaib
- PA4020** **High Flow Nasal Oxygen Therapy Usage in the Adult Intensive Care Units in Turkey: Multi-center, Prospective Study**
Fatma Yildirim (Ankara, Turkey), Serpil Öcal, Ebru Ersoy Ortac, Ömer Zühtü Yöndem, Barış Ecevit Yüksel, Turkey Akbas, Oner Abidin Balbay, Emre Aydın, Fatma Yılmaz Aydın, Nilgün Alptekinoglu Mendil, Sema Turan, Hayriye Cankar Dal, Yalım Dikmen, Elif Erdoğan, Serdar Akpınar, Gülbin Aygencel, Melda Türkoglu, Nur Karaaslan, Seval Izdes, Hicran Özdemir Demir, Nimet Senoglu, Burcu Sayan, Cenk Kıraklı, Rahime Aydın Kayalı, Pervin Korkmaz, Feza Bacakoglu, Filiz Kosar

- PA4021** **Electromyographic swallowing study during high flow oxygen therapy compared with low flow oxygen therapy in post-extubated patients**
Sarita Thawanaphong (Samutsakhon, Thailand), Wasuwat Kitisomprayoonkul, Kannit Pongpipatpaiboon, Napplika Kongpolprom
- PA4022** **Prognostic factors for extubation failure in high risk patients using high-flow nasal cannula**
Paulina Ezcurra (Ciudad autónoma de buenos aires, Argentina), María Sofia Venuti, Emiliano Gogniat, Marcela Ducrey, Jose Dianti, Alejandro Midley, Sergio Giannasi, Eduardo San Roman
- PA4023** **Factors associated with high-flow nasal cannula failure**
Je Hyeong Kim (Ansan, Republic of Korea), Beong ki KIM, Su A Kim, Young Seok Lee, You Sang Ko, Won Gun Kwak, So Young Park
- PA4024** **The neutrophil-lymphocyte count ratio in patients with hospital-acquired pneumonia**
Biljana Lazovic (Beograd, Republic of Serbia), Rade Milic, Vladimir Zugic
- PA4025** **Does Pre admission Quality Of Life Differ in Obese ICU patients?**
Ezgi Özyilmaz (Adana, Turkey), Ozlem Ozkan Kuscü, Emre Karakoc, Asli Boz, Rengin Guzel, Gulsah Seydaoglu
- PA4026** **Late Breaking Abstract - Effect of adjunctive tobramycin inhalation therapy in the treatment of ventilator-associated pneumonia: findings from the randomized VAPORISE trial**
Jason Stokker (Rotterdam, Netherlands), Mina Karami, Rogier A.S. Hoek, Ditty Van Duijn, Patricia Ormskerk, Femke M. Muskens, Joachim G.J.V. Aerts, Diederik A.M.P.J. Gommers, Menno M. van der Eerden
- PA4027** **Late Breaking Abstract - Effects of levosimendan on diaphragm contractile efficiency in patients weaning from mechanical ventilation**
Leo Heunks (Amsterdam, Netherlands), Lianne Roesthuis, Hans Van Der Hoeven, Christer Sinderby, Tim Frenzel, Coen Ottenheijm, Laurent Brochard, Jonne Doorduyn

TP-06

Session 436

12:50 - 14:40

Thematic poster: New strategies to treat respiratory failure

Disease(s) : Respiratory critical care Sleep and breathing disorders Airway diseases Interstitial lung diseases

Method(s) : Respiratory intensive care Pulmonary function testing Palliative care Pulmonary rehabilitation General respiratory patient care Physiology

Chairs : Jens Bräunlich (Leipzig, Germany), Maxime Patout (Mont-Saint Aignan, France), Giulia Spoletini (Leeds (West Yorkshire), United Kingdom), Michael Dreher (Aachen, Germany)

- PA4028** **THE BENEFIT OF MULTIDISCIPLINARY CARE IN ALS**
Natalia Pascual Martinez (Cordoba, Spain), Silvia Martín Bote, Elisa Martínez Repiso, Teresa Gómez Caravaca, Laura Muñoz Cabello, Cristina Gómez Rebollo, Manuela Mejías Ruiz, Mariola Fernández Alcaide, Ana Luz Luna Jiménez, María José Toril Redondo, Jose María Martín Muñoz, Mónica Posadas De Julián, María José González Benítez, Rosa Gómez Gómez, María Luisa Raya Seco De Herrera
- PA4029** **Review of acute NIV outcomes over five years in a university hospital**
Nilaaani Murugesu (London, United Kingdom), Labib Syed, Sara Sadek Attalla, Andrew Webb, Romain Beillevaire, Matthew Hague, Juan Martin Lazaro, Terry O'Shaughnessy, Vladimir Macavei
- PA4030** **Effectiveness of enhancement program of caring patients with high flow nasal cannula oxygen system**
Man Tsun Siu (Kowloon, Hong Kong), Wing Yu Fung
- PA4031** **TLR-2 and TLR-4 predicts early mortality in pediatric patients with acute hypercapnic respiratory failure treated with noninvasive positive pressure ventilation**
Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Dmytro Dmytriiev, Oleksandr Nazarchuk, Oleksandr Katilov
- PA4032** **High-flow oxygen by nasal cannula: experience of an intensive care unit**
Catarina Antunes (Lisboa, Portugal), Diana Organista Machado, Luís Rodrigues, Daniela Rodrigues, Daniela Machado, Fernanda Paula, Paula Pinto, Filipe Froes, Cristina Bárbara
- PA4033** **RESPIRATORY FAILURE IN LATE ONSET THYMIDINE KINASE 2 DEFICIENCY**
Ana Hernandez Voth (Madrid, Spain), Javier Sayas Catalan, Cristina Dominguez-Gonzalez, Alba Castaño Menendez, Marta Corral Blanco, Victoria Villena Garrido
- PA4034** **Long term home high flow nasal cannula therapy in hypercapnic and hypoxic patients after non-invasive ventilation failure – a retrospective analysis**
Christian Horvath (Bern, Switzerland), Florent Baty, Christian Kähler
- PA4035** **Nasal high-flow in acute hypercapnic exacerbation of COPD.**
Jens Bräunlich (Leipzig, Germany), Hubert Wirtz

- PA4036 HFNC oxygen therapy success and failure predictors: a portuguese ICU experience**
Carolina Duarte Ferreira Dantas (Lisboa, Portugal), Catarina Cardoso, Tosato Valentina, Silva David, Joao Cardoso, Luis Bento
- PA4037 Efficacy of nasal high flow therapy (NHFT) in chronic hypercapnic amyotrophic lateral sclerosis**
Maurizio Moretti (Modena (MO), Italy), Sara Balestracci, Anna Porcu
- PA4038 Impact of humidification in patients treated with home noninvasive ventilation (NIV): a randomised controlled trial**
Astrid Bertier (Rouen, France), Emeline Fresnel, Adrien Kerfourn, Adriana Portmann, Antoine Cuvelier, Maxime Patout
- PA4039 Non invasive ventilation (NIV) assisted exercise and neural drive in obstructive disease**
Adriana Manrique Mutiozabal (MADRID, Spain), Ana Hernandez, Juan Margallo, Isabel Pina, Fernando Revuelta, Manel Lujan, Victoria Villena, Javier Sayas
- PA4040 Screening for Sleep-Disordered Breathing in Patients Awaiting Bariatric Surgery: Comparison between two European Centres**
Katarzyna Mycroft (Warszawa, Poland), Michael Cheng, Piotr Bielicki, Joerg Steier
- PA4041 Using HealthCare Failure Mode and Effect Analysis™: To Reduce Facial Pressure Injury of Non-invasive Positive Pressure Ventilation Patients.**
Hsiao-Ling Chia (Taichung City, Taiwan), Han-Yang Liu, Min-Tzu Wang, Bei-Zhen Zhang
- PA4042 Built-in monitoring data in noninvasive home ventilation**
Michela Maria Bellocchia (Torino (TO), Italy), Luana Focaraccio, Sabrina Marchisio, Renza Ambrosanio, Chiara Chiappero, Anna Maria Rella, Carlo Albera, Alessio Mattei
- PA4043 COPD Subject's Degree of Therapy Comfort in an Oscillating Next Generation Noninvasive Ventilator**
Jim McKenzie (Monroeville, United States of America), Chuck Cain, Mike Kissel, Bill Hardy, Barb Miller, Kelli Davis, Bob Romano
- PA4044 The impact of healthcare reorganisation in England on local home non-invasive ventilation (NIV) demand**
John Seymour (Farnham, United Kingdom), John Seymour, Ian Wheatley, Elizabeth Spillan-Ind
- PA4045 Home non-invasive ventilation in paediatric patients with respiratory insufficiency due to neuromuscular disease – One size fits all?**
Mathis Steindor (Essen, Germany), Carolin Ellen Wagner, Maximilian Eckerland, Laura Heitschmidt, Leopold Pichlmaier, Margarete Olivier, Uwe Mellies, Florian Stehling
- PA4046 Is the usage of a mobile BiPAP device capable of reducing dyspnoea during exercise in patients with severe COPD and respiratory insufficiency?- a randomized controlled trial -**
Sarah Schwarz (Köln, Germany), Saadia Thilemann, Friederike Sophie Magnet, Claudia Schmoor, Jens Callegari, Wolfram Windisch

TP-07

Session 437

12:50 - 14:40

Thematic poster: New molecular signatures in COPD, lung cancer and α 1-antitrypsin deficiencyDisease(s) : **Airway diseases** **Thoracic oncology** **Respiratory critical care**

Method(s) : Cell and molecular biology General respiratory patient care Epidemiology

Chairs : Guillaume Beltramo (Dijon, France), Arnaud Mailleux (Paris, France), Angelica Tiotiu (Nancy, France), Tania Maes (Ghent, Belgium)

- PA4047 A genome-wide association study on the risk variations for susceptibility to early COPD**
YEJIN LEE (SEOUL, Republic of Korea), Jung-Kyu Lee, Eun Young Heo, Hee Soon Chung, Deog Kyeom Kim
- PA4048 Irisin secreted from muscle by exercise ameliorates emphysema of cigarette smoke-induced COPD in mice.**
Hiroaki Kubo (Osaka, Japan), Kazuhisa Asai, Atsushi Miyamoto, Hideaki Kadotani, Naomi Maruyama, Kazuya Kojima, Arata Sugitani, Yohkoh Kyomoto, Atsuko Okamoto, Kazuhiro Yamada, Tetsuya Watanabe, Tomoya Kawaguchi, Kazuto Hirata
- PA4049 Metabolomic analysis of severe COPD. Study of biomarkers in the CHAIN cohort.**
Carolina Gotera (San Sebastian de Los Reyes (Madrid), Spain), Antonio Pereira Vega, Tamara García Barrera, José María Marín Trigo, Ciro Casanova Macario, Borja García-Cosío Piqueras, Isabel Mir Viladrich, Ingrid Solanes García, José Luis Gómez Ariza, José Luis López Campos, Luis Seijo Maceiras, Nuria Feu Collado, Carlos Cabrera Lopez, Ramón Agüero Balbin, Amparo Romero Plaza, Juan Pablo De Torres Tajés, Luis Alejandro Padrón Fraysse, Belen Callejón Leblic, Eduardo Márquez Martín, Margarita Marín Royo, Eva Balcells Vilarnau, Antonia Lluñel Casanova, Cristina Martínez González, Juan Bautista Galdiz Iturri, Celia Lacárceles Bautista, Germán Peces-Barba

- PA4050 Associations of an intron MMP9 polymorphism and the serum levels of gelatinase B with the development of COPD**
Dimo Dimov (Stara Zagora, Bulgaria), Tanya Tacheva, Yanitsa Zhelyazkova, Ekaterina Vachkova, Denitsa Vlaykova, Georgi Beev, Tatyana Vlaykova
- PA4051 Role of Parkin in the pathogenesis of COPD-related sarcopenia**
Akihiko Ito (Mintato-Ku, Tokyo, Japan), Mitsuo Hashimoto, Jun Tanihata, Takayuki Nakano, Yusuke Hosaka, Akihiro Ichikawa, Nayuta Saito, Masahiro Yoshida, Yu Fujita, Shunsuke Minagawa, Takanori Numata, Hiromichi Hara, Jun Araya, Yumi Kaneko, Kazuyoshi Kuwano
- PA4052 Sirtuin3 reduces acute lung inflammation and emphysematous aggravation in COPD exacerbation mouse model**
Taro Ishimori (Sumida Ward, Japan), Akihisa Mitani, Shiho Kohno, Saki Nagoshi, Minako Saito, Hideaki Isago, Hiroyuki Tamiya, Yu Mikami, Takashi Ishii, Taisuke Jo, Go Tanaka, Takahide Nagase
- PA4053 Impact of polymorphisms in genes involved in nicotine dependence pathways on the smoking burden of COPD patients**
Isadora Costa Da Silva (São Paulo, Brazil), Frederico Leon Arrabal Fernandes, Carla Luana Dinardo, Regina Maria Carvalho-Pinto, Camila Farias, Alberto Cukier
- PA4054 CCL5 rs2280788 polymorphism increased the risk of COPD in the Belarusian population**
Catherine Khotko (Minsk, Belarus), Aliaksei Kadushkin, Anatoli Tahanovich, Alexandr Migas
- PA4055 Reactive sulfur species are involved in cigarette smoke-induced cellular senescence**
Shun Yamanaka (Sendai city, Miyagi pref., Japan), Tomohiro Ichikawa, Hisatoshi Sugiura, Tadahisa Numakura, Hirohito Sano, Mitsuhiro Yamada, Naoya Fujino, Rie Tanaka, Yorihiro Kyogoku, Takaaki Akaike, Masakazu Ichinose
- PA4056 Hypoxic lung cancer-derived exosome decreases anticancer activity of NK cell by targeting CD226**
Ya-Ling Hsu (Kaohsiung City, Taiwan), Jen-Yu Hung, Shu-Fang Jian
- PA4057 The role of HER-2/neu, p53, Bcl-2 and Ki-67 in patients with lung cancer**
Biljana Ilievska Poposka (Skopje, North Macedonia), Snezana Smickova, Gordana Petrussevska
- PA4058 Metal elements as early biomarkers of lung cancer**
Byron Enrique Urizar Catalan (Huelva, Spain), Luis Padrón Fraysse, Belén Callejón-Leblic, Sandra García Garrido, Victoria Ignacio Barrios, José Luis Gómez Ariza, María Morón Ortíz, Tamara García-Barrera, Antonio Pereira Vega
- PA4059 The EGFR mutation detection in NSCLC by Next Generation Sequencing (NGS): cons and pros**
Stefan Rudziński (Warsaw, Poland), Adam Szepechciński, Joanna Moes-Sosnowska, Katarzyna Duk, Aneta Zdral, Urszula Lechowicz, Piotr Rudziński, Włodzimierz Kupis, Ewa Szczepulska-Wójcik, Renata Langfort, Tadeusz Orłowski, Joanna Chorostowska-Wynimko
- PA4060 Rare SERPINA1 allele Mwhitstable in patients with Alpha1-antitrypsin deficiency**
Valentina Barzon (Casanova Lonati (PV), Italy), Alice Maria Balderacchi, Stefania Ottaviani, Angelo Guido Corsico, Ilaria Ferrarotti
- PA4061 Alpha 1 Antitrypsin Deficiency molecular mechanisms in liver organoids**
GEMA GOMEZ MARIANO (Madrid, Spain), Nerea Matamala, Selene Martínez, Iago Justo, Alberto Marcacuzco, Carlos Jiménez, Meritxell Huch, Beatriz Martínez-Delgado
- PA4062 Neutrophil degranulation and oxidative profile in patients with alpha-1 antitrypsin deficiency under hypoxic conditions**
María Magallón Serrano (Valencia, Spain), Daniel Pellicer, Silvia Castillo, Lucía Bañuls, María Mercedes Navarro-García, Amparo Escribano, Francisco Jose Dasi Fernandez
- PA4063 Patients with Alpha-1 antitrypsin Deficiency due to Null mutations have clinical peculiarities and should require personalized pulmonary management**
Ilaria Ferrarotti (Pavia (PV), Italy), Stefania Ottaviani, Elena Paracchini, Davide Piloni, Francesca Mariani, Gregorino Paone, Alice M. Balderacchi, Valentina Barzon, Matteo Bosio, Zamir Kadija, Bruno Balbi, Angelo G. Corsico
- PA4064 Comparison of different algorithms in laboratory diagnosis of Alpha1-antitrypsin deficiency**
Alice Maria Balderacchi (Pavia, Italy), Valentina Barzon, Stefania Ottaviani, Marina Gorrini, Angelo Guido Corsico, Michele Zorzetto, Ilaria Ferrarotti

TP-08

Session 438

12:50 - 14:40

Thematic poster: Novel insights from in vitro and in vivo models of lung disease

Disease(s) : **Airway diseases** **Interstitial lung diseases** **Pulmonary vascular diseases**

Method(s) : Cell and molecular biology Physiology Public health Imaging

Chairs : Julia Duerr (Berlin, Germany), Ken Bracke (Ghent, Belgium), H. Irene Heijink (Groningen, Netherlands), Corry-Anke Brandsma (Groningen, Netherlands)

- PA4065 Sex differences in bronchoconstriction in diet-induced obese rats**
Gina Calco (Portland, United States of America), Becky Proskocil, David Jacoby, Allison Fryer, Zhenying Nie
-
- PA4066 Tumor necrosis factor- α suppresses the ventilatory hypoxic response via nitric oxide dependent pathways.**
Anna Klinnikova (Saint-Petersburg, Russian Federation), Galina Danilova, Nina Alexandrova
-
- PA4067 Validation of a sensitive, specific and quantitative flow cytometry assay for the measurement of TRPA1 protein expression in primary human lung cells and leukocytes**
Harvinder S Virk (Leicester (Leicestershire), United Kingdom), Adam Wright, Malgorzata Rekas, Cate Weston, Michael Biddle, Katy Roach, Yassine Amrani, David Cousins, Peter Bradding
-
- PA4068 Biomolecular markers and pulmonary structure in rats exposed to acute intermittent hypobaria**
Jorge Rodriguez Borges (Santiago, Chile), Miguel Aguilar, Alejandro González Candia, Rodrigo Castillo, Emilio Herrera
-
- PA4069 Testosterone concentration-dependent effects on airway smooth muscle**
Bettina Sommer (CDMX, México, Mexico), Edgar Flores-Soto, Jorge Reyes-García, Verónica Díaz-Hernández, Abril Carbajal-García, Luis M Montaño-Ramírez
-
- PA4070 Development of papain-induced asthma-COPD overlap mice model**
Kensuke Fukuda (Tokyo, Japan), Hirotaka Matsuzaki, Yoshihisa Hiraishi, Yu Mikami, Kosuke Makita, Takahide Nagase
-
- PA4071 Characterisation of an ex vivo model of human airway epithelium**
Katie L Horton (Whitstable, United Kingdom), Janice L Coles, James Thompson, Jana F Hueppe, Dave A Johnston, Peter M Lackie, Raymond N Allan, Jane S Lucas
-
- PA4072 Novel assays to measure forms of interleukin-33 in the circulation and airway mucosa.**
Ian C. Scott (Cambridge, United Kingdom), Nehmat Singh, Helen Killick, Colleen Kenton, Jenny Ly, Trevor T. Hansel, Christopher Kell, Ryan Thwaites, E. Suzanne Cohen
-
- PA4073 Low dose of sodium hypochlorite impair lung function, inflammation and oxidative stress of naïve mice**
Rodolfo De Paula Vieira (Sao Jose Dos Campos (SP), Brazil), Isabella Santos De Genaro, Stefani Cristina Da Silva, Gabriela Delourence Nanni, Lethicia Cristinne Silva Araujo, Rebeca Roberta Campos Medeiros, Giovanna Del Vecchi Lievore, Francine Maria De Almeida, Suellen Karoline Moreira Bezerra, Deborah De Camargo Hizume Kunzler, Fernanda Degobbi Tenorio Quirino Dos Santos Lopes, Milton De Arruda Martins, Iolanda De Fátima Lopes Calvo Tibério, Beatriz Mangueira Saraiva-Romanholo
-
- PA4074 Development of Highly Organized Human Leukocyte Infiltration Patterns and Human Lymphoid Tissue in Lungs of Humanized Immune System (HIS) Mice**
Premkumar Siddhuraj (Lund, Sweden), Agatheeswaran Subramaniam, Jimmie Jönsson, Ravi Bhongir, Gopinath Kasetty, Mayur Jain, Carl Magnus Claussen, Arne Egesten, Mohammad Kadivar, Jan Marsal, Jonas Larsson, Leif Bjermer, Caroline Sanden, Jonas Erjefält
-
- PA4075 P2X7 receptor regulates cell survival, inflammation processes and proliferation of lung carcinoma cells**
Sanja Cicko (Freiburg, Germany), Andreas Zech, Madelon Hossfeld, Sven Schneider, Robert Bals, Marco Idzko
-
- PA4076 Genetic deletion of the Cl channel Slc26a9 causes airway mucus obstruction and mortality in neonatal mice**
Johanna Salomon (Heidelberg, Germany), Pamela Millar Büchner, Stephan Spahn, Willi Wagner, Jolanthe Schatterny, Simone Butz, Marcus Mall
-
- PA4077 The expression of TSLP in monocyte derived dendritic cells in the interactions between respiratory epithelium and macrophages in asthma, COPD and healthy controls**
Magdalena Paplinska-Goryca (Warszawa, Poland), Paulina Misiukiewicz, Małgorzata Proboszcz, Katarzyna Góraska, Rafał Krenke
-
- PA4078 COPD Small Airway Fibroblasts show reduced proliferation rate and are arrested in G1 phase**
Catherine Wrench (London, United Kingdom), Jonathan Baker, Peter Fenwick, Louise Donnelly, Peter Barnes
-
- PA4079 Role of IL-13Ra2 in modulating IL-13 induced MUC5AC and ciliary changes in healthy and CRSwNP mucosa**
Jing Liu (München, Germany), Ying Ying Li, Anand Kumar Andiappan, Yan Yan, Kai Sen Tan, Hsiao Hui Ong, Kim Thye Thong, Yew Kwang Ong, Feng Gang Yu, Heng Boon Low, Yong Liang Zhang, Li Shi, De Yun Wang
-
- PA4080 Characterization of lung resident-mesenchymal stromal/stem cells from paediatric donors**
Melanie Brügger (Bern, Switzerland), Thomas Démoulin, Beatrice Zumkehr, Ueli Moehrlen, Thomas M. Marti, Ralph A. Schmid, Sean R. R. Hall, Marco P. Alves
-
- PA4081 Budesonide-induced decrease of IL-5 production does not affect allergen-induced bronchoconstriction or AHR in a novel guinea pig asthma model**
Patricia Ramos Ramirez (Stockholm, Sweden), Malin Noreby, Henric K. Olsson, Gunnar Nilsson, Sven-Erik Dahlén, Mikael Adner

PA4082 Extracellular matrix (ECM) proteins in airway and in COPD mice: regional expression difference and potential mechanism mediated by TGF- β 1.
Yingying Zeng (Shanghai, China), Yingying Zeng, Weiping Hu, Yihui Zuo, Jing Zhang

PA4083 LSC - 2019 - IL-4, IL-8, IL-13, IL-17, IL-33 serum levels changes in acute allergic asthma model
Virginija Kalinauskaite-Zukauske (Kaunas, Lithuania), Virginija Kalinauskaitė-Žukauskė, Andrius Januškevičius, Ieva Janulaitytė, Kęstutis Malakauskas

TP-09

Session 439

12:50 - 14:40

Thematic poster: Immunopathological mechanisms of lung disease

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology

Method(s) : Cell and molecular biology Pulmonary function testing Physiology

Chairs : Pieter S. Hiemstra (Leiden, Netherlands), Anita Somborac Ba ura (Zagreb, Croatia), Colin Bingle (Sheffield (South Yorkshire), United Kingdom), Simon D. Pouwels (Groningen, Netherlands)

PA4084 Ykl-40 and phenotyping of severe asthma
Margarida Castro (Lisboa, Portugal), Gabrielle Lockett, Laurie Lau, Clair Barber, Elliott Scott, Thomas Brown, Anoop Chauhan, Peter Howarth, John Holloway

PA4085 Expression of CCR3 on sputum macrophages in asthma, COPD and healthy subjects
Małgorzata Proboszcz (Warszawa, Poland), Patrycja Nejman-Gryz, Magdalena Paplińska-Goryca, Katarzyna Górska, Paulina Misiukiewicz-Stępień, Rafał Krenke

PA4086 Phenotyping neutrophils in COPD through surface proteins
(,), William Mciver, Helen Mcgettrick, Elizabeth Sapey

PA4087 Trypsase levels in bronchoalveolar lavage fluid (BALF) may predict the recurrence and chronicity of eosinophilic pneumonia
Tomohiro Akaba (Tokyo, Japan), Mitsuko Kondo, Kaori Hara, Atsushi Kurokawa, Kiyoshi Takeyama, Etsuko Tagata

PA4088 Effects of extracellular Hsp70, lipoteichoic acid and lipopolysaccharide on TLR2 and TLR4 mRNA expression in monocyte-derived macrophages
Marija Grdić Rajković (Zagreb, Croatia), Andrea Hulina Tomašković, Anita Somborac Bačura, Iva Hlapčić, Miroslav Samardžija, Martina Bosnar, Lada Rumora

PA4089 Bronchial wall inflammatory cells and signs of remodeling in COPD and asthma
Bahareh Jouleh (Rådal, Norway), Rune Nielsen, Per Bakke, Randi Sandvik, Tharmini Kalanathan, Jonathan A. Ward, Susan J. Wilson, Tomas M. L. Eagan

PA4090 Human airway trypsin-like protease stimulates protease activated receptors and interactions of these receptors
Mari Miki (Toyonaka, Japan), Susumu Yasuoka, Rie Tsutsumi, Yukiyasu Takeuchi, Keisuke Miki, Seigo Kitada

PA4091 Mitochondrial membrane potential evaluation in children with chronic non-specific lung diseases (CNLD)
Evgeniy Yakovlev (Khabarovsk, Russian Federation), Galina Evseeva, Natalia Kuderova, Sabina Pichugina

PA4092 Dividing neutrophils in subsets, reveals a significant role for CD16highCD62Ldim neutrophils in the development of airway hyperreactivity
sandra Ekstedt (Solna, Sweden), Jesper Säfholm, Henning Stenberg, Ellen Tufvesson Tufvesson, Zuzana Diamant, Leif Bjermer, Susanna Kumlien Georén, Lars Olaf Cardell

PA4093 Late Breaking Abstract - Identification and functional testing of a novel receptor for SP-A on eosinophils
Alane Dy (Tucson, United States of America), Natalie Barker, Paul Langlais, Julie Ledford

PA4094 Study of the inflammatory phenotype of asthmatic patients with bronchiectasis
Donghai Ma (Barcelona, Spain), María Jesús Cruz, Christian Romero-Mesones, Iñigo Ojanguren, David Clofent, Diego Varona, Xavier Muñoz

PA4095 Sputum autoantibodies are more relevant in autoimmune responses in asthma than are serum autoantibodies
Jing Li (Guangzhou (Guangdong), China), Rundong Qin, Fei Long, Xiaojun Xiao, Jing Xiao, Mulin Feng, Zhengyu Zheng, Renbin Huang, Tao Peng

PA4096 Imbalance in memory B-cells in patients with pulmonary sarcoidosis
Ulia Zinchenko (St Petersburg, Russian Federation), Igor Kudryavtsev, Anna Starshinova, Natalia Basantsova, Maria Serebriakova, Anna Malkova, Elias Toubi, Lejnid Churilov, Piotr Yablonskiy

PA4097 Biomarkers to identify tissue eosinophils in wheezing children
Matteo Bonato (Piombino Dese (PD), Italy), Erica Bazzan, Deborah Snijders, Graziella Turato, Chiara Rigobello, Davide Biondini, Mariaenrica Tiné, Manuel Cosio, Angelo Barbato, Marina Saetta, Simonetta Baraldo

PA4098 Analysis of phenotypes in a group of severe asthma
Sabrine Louhaichi, Basma Hamdi, Ikbel Khalfallah, Alaa Akkad, Jamel Ammar, Anissa Berraies, Agnès Hamzaoui

PA4099 Airway eosinophilic inflammation, body weight and symptoms in COPD over 4 years of follow-up
Jing Gao (Stockholm, Sweden), Hiroshi Iwamoto, Tuula Toljamo, Pentti Nieminen, Witold Mazur

PA4100 LSC - 2019 - Validating immunoproteasome activity as a potential biomarker in non-invasive samples from COPD patients
Sophie Hardy (Bruxelles, Belgium), Sophie Hardy, Andrea Schneider, Marion Frankenberger, Andrea Koch, Katrin Milger, Charlotte Moulin, Martin Fievez, Charles Pilette, Silke Meiners, Ilona Kammerl

PA4101 Pro-inflammatory / anti-inflammatory capacity of lymphocyte cells in COPD
Diana Paulina Chiluiza Reyes (Madrid, Spain), Juan Abelardo Rigual Bobillo, Myriam Calle Rubio, Antonio López Farré, José Luis Álvarez-Sala Walther, José Javier Zamorano León, Mariano De La Serna Soto, Guillermo Rubio De La Garza, Ana Palomar Santamaria, Juan Luis Rodríguez Hermosa

PA4102 Levels of CD4CD25 T regulatory cells in bronchial mucosa and peripheral blood of chronic obstructive pulmonary disease indicate involvement of autoimmunity mechanisms
Virginija Sileikiene (Vilnius, Lithuania), Aida Laurinaviciene, Daiva Lesciute-Krilaviciene, Laimute Jurgauskiene, Jolita Norkuniene, Arvydas Laurinavicius

TP-10

Session 440

12:50 - 14:40

Thematic poster: Oxidative stress, hypoxia and microbial exposure in the pathogenesis of pulmonary disease

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#) [Respiratory critical care](#) [Pulmonary vascular diseases](#)

Method(s) : Cell and molecular biology Respiratory intensive care Physiology Pulmonary function testing Transplantation

Chairs : Sara Rolandsson Enes (Burlington, United States of America), Jennifer J.P. Collins (Rotterdam, Netherlands), Christoph Beisswenger (Homburg (Saar), Germany), Serena Di Vincenzo (Palermo (PA), Italy)

PA4103 Dynamics of free radical indicators of exhaled breath condensate in smokers.
Svetlana K. Soodaeva (Moscow, Russian Federation), E.A. Zaprudnova, M.V. Smirnov, I.A. Klimanov, T.V. Li, N.A. Popova, L.R. Murakaeva, M.V. Glukhova, N.I. Kubysheva

PA4104 Nitric oxide in the COPD pathogenesis in patients with pulmonary tuberculosis
Larisa Kiryukhina (St. Petersburg, Russian Federation), Marina Dyakova, Dilyara Esmedlyaeva

PA4105 Protective role of nitric oxide synthases in pulmonary emphysema in mice
Kaori Kato (Kitakyushu, Japan), Masato Tsutsui, Shingo Noguchi, Keisuke Naito, Takaaki Ogoshi, Ke-Yong Wang, Hiroaki Shimokawa, Kazuhiro Yatera

PA4106 Changes in the ratios of stable nitric oxide metabolites in the exhaled breath condensate in patients with COPD during antioxidant therapy.
Igor A. Klimanov (Moscow, Russian Federation), S.K. Soodaeva, N.A. Popova, T.V. Li, N.I. Kubysheva, L.R. Murakaeva, M.V. Glukhova, L.Yu. Nikitina

PA4107 Late Breaking Abstract - Vitamin D suppresses LPS-induced ER stress and inflammation via modulation of mir-34a/Sirt1 axis in acute lung injury.
Mansoor Ali Syed (New Delhi (Delhi), India), Shaniya Ahmad, Shakir Ali, Anant Mohan

PA4108 Role of Clusterin in Protection Against Hyperoxic Lung Injury in Mice
Jung Yeon Hong (Seoul, Republic of Korea), Mi Na Kim, Eun Ji Kwak, Eun Gyu Kim, Kyung Won Kim, Myung Hyun Sohn

PA4109 Pathology of the lung in fatally burned patients.
Oxana Fesenko (Moscow, Russian Federation), Irina Klyachkina, Vladimir Filatov

PA4110 Role of hypercapnia in LPS injured human primary alveolar cells
Marta Camprubí-Rimblas (Molins de Rei, Spain), Josep Bringué, Luis Morales-Quinteros, Neus Tantinyà, Ramon Farré, Isaac Almendros, Juan José Fiblà, Roser Saumench, Antonio Artigas

PA4111 LSC - 2019 - Resistive breathing aggravates pulmonary inflammation and emphysema in experimental models of chronic obstructive pulmonary disease
Dimitrios Toumpanakis (Athens, Greece), Dimitrios Toumpanakis, Eleftheria Mizi, Vyronia Vassilakopoulou, Athanasia Chatzianastasiou, Stamatios Theocharis, Theodoros Vassilakopoulos

PA4112 Vessel markers like ephrinB2 and ephB4 could be suitable markers for perfusion direction and acute lung injury
Julia Krabbe (Aachen, Germany), Nadine Ruske, Stephanie Kanzler, Lucy Kathleen Reiss, Andreas Ludwig, Stefan Uhlig, Christian Martin

PA4113	Expression profiling of genes differentially regulated under hyperoxia and mechanical ventilation in mouse model of neonatal chronic lung disease Xin Zhang (Baltimore, United States of America), Erika Gonzalez Rodriguez , Melanie Markmann , Prajakta Oak, Anne Hilgendorff
PA4114	Vasculotide stabilizes pulmonary barrier function in Streptococcus pneumoniae infected and mechanically ventilated mice Birgitt Gutbier (Berlin, Germany), Aina Lask, Olivia Kershaw, Geraldine Nouailles-Kursar, Achim D. Gruber, Holger C. Müller-Redetzky, Paul Van Slyke, Martin Witzernath
PA4115	LSC - 2019 - The skin microbiome drives immune maturation and exacerbation of both skin and airway inflammation Niki Ubags (Epalinges, Switzerland), Niki D.J. Ubags, Aurélien Trompette, Britt Nibbering, Julie Pernot, Céline Pattaroni, Alexis Rapin, Laurent Nicod, Benjamin Marsland
PA4116	Sepsis and mechanical ventilation alter the tight junction proteins in rat lungs in vivo Gema Sánchez Helguera (Las Rozas (Madrid), Spain), Anthony Silva, Raquel Murillo, Antonio Ferruelo, José A. Lorente, Raquel Herrero
PA4117	Pulmonary remodeling after ARDS: a new experimental model Cintia Tokio Reis Gonçalves (São Paulo, Brazil), Carlos Gustavo Oliveira Reis Gonçalves, Natalia De S. X. Costa, Gabriel Ribeiro, Edson F. De Assis, Luiz Fernando F. Da Silva, Elia Garcia Caldini, Hugo Caire C Faria-Neto, Marisa Dolhnikoff
PA4118	Nintedanib modulates fibrogenesis in activated fibroblasts Henrik Jessen (Herlev, Denmark), Natasja Gudmann, Diana Leeming, Jannie Sand, Sarah Rønnow
PA4119	Lipogenic switch of fibroblast to lipofibroblast induce lung regeneration in a model of bronchopulmonary dysplasia Bruno Ribeiro Baptista (Nancy, France), Maeva Zysman, Laure Alea Essari, Clement Giffard, Marie Laure Franco-Montoya, Ralph Epaud, Francois Chabot, Sophie Lanone, Jorge Bozczowski, Laurent Boyer
PA4120	Notch activity is required for myofibroblast differentiation laura vera alvarez (pamplona, Spain), Ana Pardo Saganta, Eva Petri, Felipe Prósper Cardoso, Javier Zulueta Francés
PA4121	Late Breaking Abstract - Disturbance of the core microbiota in transplanted lung associates with sub- or excessive control of host immunity Eric Bernasconi (Lausanne, Switzerland), Sudip Das, Angela Koutsokera, Daniel-Adrien Wurlod, German Bonilla-Rosso, John-David Aubert, Marie-France Derkenne, Louis Mercier, Celine Pattaroni, Alexis Rapin, Benjamin J. Marsland, Philipp Engel, Laurent P. Nicod
PA4122	Late Breaking Abstract - WNT/β-catenin signaling induces cellular senescence in lung alveolar epithelial cells Mareike Lehmann (München, Germany), Kathrin Mutze, Qiangjiang Hu, Melanie Königshoff

TP-11

Session 441

12:50 - 14:40

Thematic poster: Cardiopulmonary exercise testing**Disease(s) :** Airway diseases Respiratory critical care Thoracic oncology Sleep and breathing disorders Interstitial lung diseases**Method(s) :** Physiology Pulmonary rehabilitation Pulmonary function testing Surgery General respiratory patient care Public health**Chairs :** Georgios Kaltsakas (Athens, Greece), Asterios Kampouras (Thessaloniki, Greece), Danilo Cortozi Berton (Porto Alegre (RS), Brazil), Michael Furian (Zürich, Switzerland)

PA4123	Respiratory exercises during high altitude (HA) exposure help to maintain a better oxygen saturation (SpO₂) counteracting the effects of hypoxia. Nicola Sorino (Bologna (BO), Italy), Michele Franchi, Carlotta Merlo, Federico Ballerio, Lorenza Pratali, Federico Ballerio, Emanuele Salvi, Annalisa Cogo
PA4124	Evaluation of a modified 6 minute walk test with mobile spiroergometry Winfried Baden (Tübingen, Germany), Richard Spallek, Michael Hofbeck
PA4125	The measured vs. estimated oxygen uptake from treadmill exercise testing in patients with chronic pulmonary diseases Mikhail Chushkin (Moscow, Russian Federation), Lydia Popova , Elena Shergina, Natalya Karpina, Oleg Ots, Ilya Giverts, Petr Struchkov , Sergey Mandrykin
PA4126	Cardiopulmonary exercise testing for identification of patients with hyperventilation syndrome. Kristian Brat (Brno, Czech Republic), Nela Stastna, Zdenek Merta, Lyle Olson, Bruce Johnson, Ivan Cundrle
PA4127	Validation of a portable blood gas analyzer for use in challenging field conditions Janek Nawrocki (Diesbach GL, Switzerland), Michael Furian, Aline Buerger, Laura Mayer, Simon R. Schneider, Maamed Mademilov, Madeleine Bloch, Talant M. Sooronbaev, Silvia Ulrich, Konrad Ernst Bloch

- PA4128 The link between low resting diffusion capacity and exercise intolerance in COPD**
Amany Fathy Elbehairy (Alexandria, Egypt), Conor D O'Donnell, Asmaa Abd Elhameed, Sandra G. Vincent, Kathryn M. Milne, J Alberto Neder, Denis E O'Donnell
- PA4129 Bronchodilation increases exercise endurance in COPD patients with sustained concavity in the spontaneous expiratory flow volume loop**
Min Cao (, China), Fang Lin, William Stringer, Arash Khosrovi, Robert Calmelat, April Soriano, Chu-Yi Wang, Harry Rossiter, Shahid Siddiqui, Stephen Rennard, Richard Casaburi, Janos Porszasz
- PA4130 Effect of acetazolamide on altitude-induced impairment in postural control in patients with COPD. RCT.**
Aline Bürgin (Zürich, Switzerland), Michael Furian, Philipp M. Scheiwiler, Laura Mayer, Simon Schneider, Maamed Mademilov, Berik Emilov, Mona Lichtblau, Lara Muralt, Alexandra Groth, Ulan Sheraliev, Nuriddin H. Marazhapov, Talant M. Sooronbaev, Silvia Ulrich, Konrad E. Bloch
- PA4131 Exercise capacity and gas exchange in smokers with discordant GOLD vs FEV1/FVC lower limit of normal (LLN) airway obstruction diagnosis.**
Roberto Torchio (Venaria Reale (TO), Italy), Claudio Ciacco, Marco Guglielmo, Fabiana Giannoccaro
- PA4132 Predicting VO2max by machine learning models before volitional fatigue during incremental exercise**
Thomas Beltrame (Santo Antônio de Posse, Brazil), Luis Pereira, Mariana Gois, Maria Frade, Stephanie Linares, Ariane Petronilho, Richard Hughson, Aparecida Catai, Ricardo Torres
- PA4133 Effects of Yogic breathing exercise on lung function among adolescent children in India.**
Miriam Michalickova (Vrable, Slovakia), Shruti Sahasrabudhe, Saicharan Bodi, Sumeet Ingole, Yogesh Deokar, Pralhad Kulkarni, Arti Ghare, Nita Lendghar, Anuradha Chaudhari, Vandana Vincent, Shweta Rasam, Nitin Vanjare, Sushma Jadhav, Sapna Madas, Divya Kanchibhotla, Sundeep Salvi
- PA4134 Box-Jenkins transfer function modelling for accurate determination of VO2 kinetics in COPD patients**
Joren Buekers (Mol, Belgium), Patrick De Boever, Alberto Peña Fernández, Jan Theunis, Emiel Wouters, Martijn Spruit, Jean-Marie Aerts
- PA4135 Normoxemic patients at rest with Interstitial Lung Disease and desaturation in the 6MWT**
David Jorge Araújo Barros Coelho (Braga, Portugal), Mafalda Vanzeller, Patricia Caetano Mota, Marta Drummond
- PA4136 Applying machine learning to evaluate dyspnoea in athletes with exercise-induced bronchoconstriction**
Oliver J Price (Leeds (West Yorkshire), United Kingdom), Hayden Allen, James H Hull, Susan H Backhouse, Clive B Beggs
- PA4137 Pulmonary rehabilitation does not improve efficiency slopes in patients with COPD**
Cintia de Araujo (Porto Alegre, Brazil), Fernanda Rodrigues, Matthias Loeckx, Astrid Blondeel, Heleen Demayer, Nina Cardinaels, Wim Janssens, Thierry Troosters
- PA4138 Cardiopulmonary Exercise Testing predicting postoperative morbimortality**
Marcos Oliveira (Aguada de Cima, Portugal), Denny Rodrigues, Margarida Valério, Pedro Ulisses Brito, Cidália Rodrigues
- PA4139 Assessment of multiple dimensions of dyspnea during cardiopulmonary exercise testing (CPET) in healthy adults**
Hayley Lewthwaite (Montreal (QC), Canada), Dennis Jensen
- PA4140 Performance of the 4 meter gait speed test (4MGS) compared to the 6 meters walk test (6MW) in lung pathology**
Patricio Rioseco Saavedra (Concepcion, Chile), Maya Rubilar, Lorena Adriaola, Raiza Garcia, Nicolás Rodríguez
- PA4141 Patients with severe asthma show reduced exercise capacity assessed with cardiopulmonary exercise test.**
Rocco Francesco Rinaldo (Milano (MI), Italy), Alessandra Masseroni, Beatrice Vigo, Silvia Ruggeri, Simone Luraschi, Stefano Centanni, Fabiano Di Marco
- PA4142 INSPIRATORY MUSCLE TRAINING BASED ON THE ANAEROBIOSIS THRESHOLD ON THE FUNCTIONAL CAPACITY OF PATIENTS SUBMITTED TO CORONARY ARTERIAL BYPASS GRAFTING: RANDOMIZED AND CONTROLLED CLINICAL TRIAL**
Andre Luiz Cordeiro (Feira De Santana (BA), Brazil), Hayssa Mascarenhas Barbosa, Lucas Landerson, Carolina Lima, Jaclene Araújo, Adriele Souza, Daniel Lago, André Guimarães, Jefferson Petto

TP-12

Session 442

12:50 - 14:40

Thematic poster: Treatment of continuous positive airway pressure and monitoring of its effects

Disease(s) : Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Epidemiology Respiratory intensive care Cell and molecular biology Public health

Chairs : Dries Testelmans (Leuven, Belgium), Jean-Louis Pépin (Grenoble, France), Özen Kaçmaz Basoglu (Izmir, Turkey), Isaac Almendros (Barcelona, Spain)

- PA4143 CPAP Therapy improves Depressive Symptoms in OSA Patients, including those using Antidepressant Medication**
Robert Hooper (Burnham on Crouch, United Kingdom), Tess Compton-Price
-
- PA4144 Improving adherence to treatment in patients with obstructive sleep apnoea**
Maria Del Carmen Mascareno Ponte (Manchester (Greater Manchester), United Kingdom), Pilar Rivera Ortega, Andras Bikov, Matthew Mcgee, Saba Bokhari, Tim W. Felton
-
- PA4145 CPAP versus Bilivel: Long term treatment in Obesity Hypoventilation Syndrome.**
Sonia Santamaria (Noicattaro, Italy), Donato Lacedonia, Roberto Sabato, Aldo Diasparra, Pasquale Tondo, Maria Giovanna Palumbo, Maria Luisa Colucci, Giovanna Elisiana Carpagnano, Maria Pia Foschino Barbaro
-
- PA4146 Continuous positive airway pressure treats Distressing Dreams in Sleep Apnea**
Deelip Chatterjee (Franklin Lakes, United States of America), Deelip Chatterjee, ARPIT SHARMA, Harleen Brar, Burton Seitler, Jeine Seitler, Randy Balatabat, Melissa Turek, Meera Chatterjee
-
- PA4147 Outcomes in patients with REM-related obstructive sleep apnoea (REM-OSA) treated with continuous positive airway pressure (CPAP)**
Xiao Ya Hu (Sydney (NSW), Australia), Rita Perri, Terence Ting, Khaled Al Oweidat, Stephen Lambert, John Wheatley
-
- PA4148 The success of CPAP therapy in patients over 70 years**
Tiina Aalto (Porvoo, Finland), Heidi Avellan-Hietanen, Oili Ask, Pirjo Vitikainen, Doris Bärenson, Paula Maasilta, Adel Bachour
-
- PA4149 BLOOD PRESSURE EFFECTS OF OBSTRUCTIVE SLEEP APNEA TREATMENT BY CONTINUOUS POSITIVE AIRWAY PRESSURE: SYSTEMATIC REVIEW, METAANALYSIS AND EVALUATION OF PHENOTYPES PREDICTING RESPONSE**
Martino Pengo (London, United Kingdom), Davide Soranna, Alice Giontella, Elisa Perger, Esther Schwarz, Carolina Lombardi, Grzegorz Bilo, Antonella Zambon, Joerg Steier, Pietro Minuz, Gianfranco Parati, Cristiano Fava
-
- PA4150 Prospective cohort study of patients complaining of high pressure with CPAP/APAP (PAP) who switch to bi-level PAP (VAuto) as second-line therapy: POP-IN study**
Alain Palot (Marseille, France), Sandrine Launois, Xuan-Lan Nguyen, Arnaud Prigent, Didier Recart, Christian Koltès, Elodie Aversenq, Andrea Graml, Florent Lavergne
-
- PA4151 Characterising adherence and respiratory parameters in real world patients using ASV Therapy**
Jean-Louis Pépin (Grenoble, France), Atul Malhotra, Carlos Nunez, Holger Woehrle, Jingjing Li, Jeff Armitstead, Peter Cistulli, Adam Benjafield
-
- PA4152 Role of CPAP treatment in elderly with moderate obstructive sleep apnea**
Cristina De Juana Izquierdo (VALENCIA, Spain), Silvia Ponce, Esther Pastor, Belén Orosa, Grace Oscullo, Pablo Catalán, Alfonso Martínez, Luis Hernández, Eusebi Chiner, Miguel Angel Martínez
-
- PA4153 A Novel Big Data Analysis of Longitudinal CPAP Compliance Patterns**
Holger Woehrle (Ulm, Germany), Jeff Armitstead, Atul Malhotra, Jingjing Li, Jean-Louis Pepin, Peter Cistulli, Adam Benjafield, Carlos Nunez
-
- PA4154 Compliance to ventilatory treatment in a cohort of patients on home CPAP or NIV: analysis by diagnosis, treatment type, and comorbidities**
Pierpaolo Baiamonte (Palermo (PA), Italy), Claudia Irene Gruttad'Auria, Emilia Mazzuca, Margherita Algeri, Cinzia Arena, Giada Linguanti, Stefania Principe, Silvia Di Menna, Andrea Gagliardo, Maria Rosaria Bonsignore
-
- PA4155 Twenty years compliance with continuous positive air pressure treatment in patients with severe obstructive sleep apnea**
Lucia Spicuzza (Sant'Agata Li Battiati (CT), Italy), Raffaele Campisi, Lorenzo Nicotra, Claudia Crimi, Nunzio Crimi
-
- PA4156 Effect of CPAP therapy on cardiovascular risk in severe obstructive sleep apnea:the MMP:TIMP balance**
Imre Barta (Budapest, Hungary), Bettina Gábor, Beatrix Simon, Csilla Páska, Róbert Szvatek, György Böszörményi-Nagy, Éva Vizi, Balázs Antus
-
- PA4157 Self efficacy treatment: how health belief model can influence CPAP compliance in OSAS.**
Rosalba Maffucci (Napoli (NA), Italy), Ambra Nicolai, Stefania Tartaglione, Maria Rosaria Gioia, Pasqualina Gaglione, Edoardo Grella, Giuseppina Ciarleglio, Raffaele Scala, Andrea Bianco
-
- PA4158 INADEQUATE COMPLIANCE OF CONTINUOUS POSITIVE AIRWAY PRESSURE (CPAP) IN PATIENTS WITH OBSTRUCTIVE SLEEP APNEA-HYPOPNEA SYNDROM (OSAHS) DIAGNOSIS**
Adrian Martinez Vergara (madrid, Spain), Enrique Zamora García, Pedro Landete Rodríguez, Ana Sánchez Azofra, Beatriz Aldave Orzaiz, Ana Roca Noval, Marta Erro Iribarren, Marta Hernández Olivo, Carmen Acosta Gutiérrez, Joan Soriano Bueno, Julio Ancochea Bermúdez

- PA4159 Home non-invasive ventilation (NIV) adherence for chronic respiratory failure treatment of obesity hypoventilation syndrome (OHS) vs. chronic obstructive lung disease (COPD)**
Maria Alvarenga Santos (Lisboa, Portugal), Mariana Félix Jorge Ramalho, Margarida Aguiar, Vânia Sacramento, Sofia Furtado
- PA4160 Association between symptomatic improvements and outcome: responder analysis of SERVE-HF**
Holger Woehrle (Ulm, Germany), Martin R Cowie, Karl Wegscheider, Christiane Angermann, Marie-Pia D'Ortho, Erland Erdmann, Patrick Levy, Anita K Simonds, Virend K Somers, Faiez Zannad, Helmut Teschler, Eik Vettorazzi
- PA4161 Disease characteristics and adherence to treatment with continuous positive airway pressure in men and women with severe obstructive sleep apnea (OSA).**
Piotr Bielicki (Warszawa, Poland), Anna Pryc, Aneta Witkowska, Anna Trojnar, Magdalena Wąsik
- PA4162 Telemonitored CPAP in OSA patient follow-up. Our evidence.**
Santiago Antonio Juarros Martinez (Simancas, Spain), Milagros Del Olmo Chiches, Ana Mayoral Aguilera, Silvia Arribas Santos, Isabel Muñoz Diez, Ana Isabel Garcia Onieva, Blanca De Vega Sanchez, Enrique Macías Fernandez, David Vielba Dueñas, Isabel Ramos Cancelo, Beatriz Carton Sanchez, Carlos Disdier Vicente

TP-13

Session 443

12:50 - 14:40

Thematic poster: Beyond continuous positive airway pressure treatment

Disease(s) : **Sleep and breathing disorders**

Method(s) : Public health Physiology General respiratory patient care Epidemiology Pulmonary rehabilitation Endoscopy and interventional pulmonology Surgery Pulmonary function testing

Chairs : Winfried J. Randerath (Solingen, Germany), Johan Verbraecken (Edegem (Antwerp), Belgium), Jan A. Hedner (Göteborg, Sweden), Wojciech Trzepizur (Angers CEDEX 9, France)

- PA4163 Effectiveness of septoplasty with or without inferior turbinate reduction in patients with obstructive sleep apnea**
Mahmoud Elhabashy (Shebin Elkom, Egypt), Ayman Abdelfatah, Ayman Abdelaziz, Hosam Omar, Samah Abdelwhab
- PA4164 Satisfaction degree of patients with obstructive sleep apnea followed at primary care**
Marta Nobre Pereira (S. Brás de Alportel, Portugal), José Romero, Dyna Torrado, Ulisses Brito
- PA4165 Mandibular advancement device in the treatment of the apnea hypopnea syndrome.**
Carmen Rodriguez Calle (Madrid, Spain), Diurbis Josefina Velasco Alvarez, Eva Mañas Baena, Aldara García Sánchez, Laura Pozuelo Sánchez, Esther Barbero Herranz, Alicia Albalat Rodríguez, Andrea Perez Figuera
- PA4166 INFLUENCE OF ISOKINETIC INSPIRATORY MUSCLE TRAINING AT ANTERO-CERVICAL TEMPERATURE IN INDIVIDUALS WITH OBSTRUCTIVE SLEEP APNEA**
Lucas De Assis Pereira Cacau (Aracaju (SE), Brazil), Flavio Andrade, Fernanda Lanza, Manuella Novaes, Thays Mecnas, George Amado
- PA4167 Weight changes after initiation of CPAP in sleep apnea patients.**
Irina Pocienė (Vilnius, Lithuania), Rasa Gauronskaite, Jelizaveta Kogan, Rolandas Zablockis, Edvardas Danila
- PA4168 Efficacy of pharmacotherapy for OSA in adults: a systematic review and network meta-analysis**
Thomas Gaisl (Zürich, Switzerland), Sarah R Haile, Sira Thiel, Martin Osswald, Malcolm Kohler
- PA4169 The effect of hypnotics on next day's diurnal symptoms in hypercapnic patients receiving long-term nocturnal noninvasive ventilation.**
Tomomasa Tsuboi (Joyo, Japan), Toru Oga, Takefumi Saito, Shuichi Yano, Shohei Takata, Tetsuro Ohdaira, Kensuke Sumi, Atsuo Sato, Kazuo Chin
- PA4170 Bariatric surgery in obese OSA patients**
Raquel Paulinetti da Camara (Lisboa, Portugal), Natália Martins, Margarida Redondo, Mafalda Van Zeller, Filipa Pires, Anabela Marinho, Maria Sucena, Marta Drummond
- PA4171 Validity of a new postural device for the treatment of patients with positional obstructive sleep apnea. A randomized control study.**
Laura Hidalgo Armas (Santurdejo, Spain), Joaquin Duran- Cantolla, Jose Cordero-Guevara, Gabriela Zamora, Sandra Ingles, Joaquin Duran Carro, Jorge Ullate, Ferran Barbé, Rafaela Vaca, Jaime Marcos, Carlos Egea, Jordi Riagau
- PA4172 Short term effect of DASH regiment on OSAS: results from a monocentric pilot study**
Ermanno Puxeddu (Roma (RM), Italy), Chiara Ciapriani, Gloria Pane, Luigino Calzetta, Lupattelli Maria Rita, Stefano Di Girolamo, Paola Rogliani

- PA4173** **Does Continuous Positive Airway Pressure improve the sub-maximal exercise capacity in obese patients with severe obstructive sleep-apnea-hypopnea-syndrome ?**
Malek Chaabouni (Sfax, Tunisia), Donies Masmoudi, Amal Krid, Sahar Chakroun, Hana Trabelsi, Leila Triki, Hela Zouari, Ines Kammoun, Kaouther Masmoudi
- PA4174** **Using individualized mandibular advancement device to avoid confusing jaw maneuvers during DISE in 114 consecutive sleep-apnea patients.**
JAIME sanabria (majadahonda, Spain), Juan Jose Arrieta , Silvia Gonzalez Pondal, Carlos Cenjor Casas, Fernanda Troncoso, Paula Rodriguez, Eduard Teixeira, Ignacio Alcalá, Lucia Baguena, Alfonso Campos, Ignacio Mahillo, Teresa Gomez García
- PA4175** **The use of beta-blockers is not associated with increased daytime sleepiness in patients with obstructive sleep apnoea**
Andras Bikov (Budapest, Hungary), Martina Meszaros, Jørgen Vestbo, Alexandros Mathioudakis, Laszlo Kunos
- PA4176** **Effect of continuous positive airway pressure (CPAP) on maximal exercise capacity in patients with obstructive sleep apnoea: a systematic review and meta-analysis**
Hannah Fletcher (London, United Kingdom), Stewart Lee Long, Luis Estrada , Surinder S Birring , Peter P S Cho, Kai K Lee
- PA4177** **Serum and mucosal brain derived neurotrophic factor (BDNF) in severe obstructive sleep apnea syndrome (OSAS). Effects of CPAP treatment on BDNF serum levels.**
Kristtopher Richard Flores (Poggio Mirteto (RI), Italy), Fausta Viccaro, Mauro Aquilini, Francesco Ronchetti, Stefania Scarpino, Arianna Di Napoli, Giorgia Scafetta, Paolo Palange, Alberto Ricci
- PA4178** **RESPONSE TO MANDIBULAR ADVANCE DEVICE (MAD) IN PATIENTS WHO COMPLAIN ABOUT SNORING**
Teresa Gomez Garcia (Madrid, Spain), Silvia Gonzalez Pondal, Mfernanda Troncoso Acevedo, Carlos Cenjor Casas, Paula Rodriguez Rodriguez, Juan Jose Arrieta Blanco, Farah Ezzine De Blas, Nicolás Gonzalez Mangado
- PA4179** **Effect of inspirational muscle training in patients with obstructive sleep apnea**
Leonardo Souza (Rio De Janeiro (RJ), Brazil), Leandro Azeredo, Leonardo Souza, Bruno Guimarães, Jocemir Lugon
- PA4180** **Factors external to CPAP - what is its influence in adherence to treatment.**
Catarina Carvalho Cordes Amaral Barata (Lisbon, Portugal), Ana Cláudia Vieira, Joana Carvalho, Marta Fradinho, Sandra André, Luísa Oliveira, Fernando Nogueira
- PA4181** **Late Breaking Abstract - Bilateral hypoglossal nerve stimulation for treatment of obstructive sleep apnea.**
Sandrine Launois Rollinat (Paris, France), Maree Barnes, Stuart G. Mackay, John R. Wheatley, David R Hillman, Xuân-Lan Nguyễn, Richard Lewis, Matthew C Campbell, Boris Petelle, Jennifer H Walsh, Andrew C Jones, Carsten E Palme, Alain Bizon , Nicole Meslier, Chloé Bertolus, Kathleen J Maddison, Laurent Laccourreye , Guillaume Raux, Katleen Denoncin, Valérie Attali, Frédéric Gagnadoux, Peter Eastwood
- PA4182** **Late Breaking Abstract - FACE: Prospective multicenter cohort adressing chronic heart failure (CHF) patients with central sleep disorder breathing (SDB) indicated for adaptive servo ventilation (ASV): patient baseline characteristics**
Renaud Tamiisier (Grenoble, France), Thibaud Damy, Sebastien Bailly, Jean-Marc Davy, Frédéric Goutorbe, Florent Lavergne, Patrick Levy, Alain Palot, Johan Verbraecken, Jean-Louis Pépin, Marie-Pia D'Ortho

TP-14

Session 444

12:50 - 14:40

Thematic poster: Inhalers: adherence and preference**Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Epidemiology Public health**Chairs :** Matteo Bonini (London, United Kingdom), Thomas Bahmer (Kiel, Germany), Federico Lavorini (Firenze (FI), Italy), Richard Costello (Dublin, Ireland)

- PA4183** **Adherence to steroid treatment in asthma**
Matthew Jones (Portsmouth, United Kingdom), Matthew Jones, Emily Heiden, Jessica Gates, David Lodge, Ruth De Vos, Rachel Harvey, Scott Elliott, Thomas Brown, Anoop Chauhan, Hitasha Rupani
- PA4184** **Knowledge, attitude and practice survey on asthma amongst physicians of 5 countries from Asia and Middle-east-North-Africa**
Vaibhav Gaur (Mumbai (Maharashtra), India), Ramesh Chokhani, Abdul Razak, Win Naing, Mirna Waked, Abdelaziz Bakhtar, Urvi Khorani, Jaideep Gogtay
- PA4185** **Factors associated with ICS non-adherence in pregnant women with asthma: a cross-sectional analysis**
Annelies Robijn (New Lambton Heights (NSW), Australia), Megan Jensen, Peter Gibson, Vanessa Murphy

- PA4186 12-year adherence to inhaled corticosteroids in adult-onset asthma**
Iida Vähätalo (Tampere, Finland), Pinja Ilmarinen, Leena E. Tuomisto, Minna Tommola, Onni Niemelä, Lauri Lehtimäki, Pentti Nieminen, Hannu Kankaanranta
- PA4187 Treatment compliance in patients with Asthma, COPD and Mixed Asthma-COPD.**
Francisco Guillermo Puig Sanchez (Sevilla, Spain), Auxiliadora Romero Falcón, Juan Francisco Medina Gallardo, Javier Castilla Guerra, Laura Carrasco Hernández, Francisco Javier Alvarez Gutiérrez
- PA4188 What do patients want? Preferences for two asthma regimens in mild/moderate asthma**
Christina Baggott (Wellington, New Zealand), Jo Hardy, Helen Reddel, Jenny Sparks, Saras Mane, Doñah Sabbagh, Mark Holliday, Robert J Hancox, Richard Beasley, James Fingleton
- PA4189 Discrete choice experiments identifying attributes influencing treatment preference in mild asthma**
Christina Baggott (Wellington, New Zealand), Jo Hardy, Helen Reddel, Jenny Sparks, Doñah Sabbagh, Saras Mane, Mark Holliday, Robert J Hancox, Paul Hansen, Richard Beasley, James Fingleton
- PA4190 Patterns of adherence to inhaled corticosteroids**
Esmé J. Baan (Rotterdam, Netherlands), Leila Karimi, Astrid Heeremans, Guy G. Brusselle, Miriam Sturkenboom, Johan C De Jongste, Lies Lahousse, Hettie M. Janssens, Katia Verhamme
- PA4191 Inhaler devices in a geriatric patient population: limitations for their correct use and patient preferences**
Jens Schreiber (Magdeburg, Germany), Katharina Ruessel
- PA4192 Adherence to COPD controller therapy: real life setting**
Leila Karimi (Rotterdam, Netherlands), Esmé J. Baan, Tiana Geeraerd, Johan Van Der Lei, Bruno H C. Stricker, Guy G Brusselle, Lies Lahousse, Katia M. Verhamme
- PA4193 Effects of educational intervention using respiratory inhaler by advanced practice nurse in teaching COPD patients: an interim analysis**
June Hong Ahn (Daegu, Republic of Korea), Kwan Ho Lee, Jong Geol Jang
- PA4194 Clinical and economic impact of an improvement in adherence based on specific attributes of single-inhaler triple therapies in COPD patients**
Marc Miravittles (Barcelona, Spain), Alicia Marín, Alicia Huerta, David Carcedo, Alba Villacampa, Jaume Puig-Junoy
- PA4195 Optimizing the effectiveness of inhalation therapy- comprehensive knowledge enhancement program**
Wing Yu FUNG (Hong Kong, Hong Kong), Man Tsun Siu
- PA4196 Opinions on the environmental impact of inhaler devices in UK respiratory care**
Harriet Lewis (Manchester, United Kingdom), Eleanor Dickinson, Omar S Usmani
- PA4197 Use of inhaler devices in elderly patients with respiratory disease: real-world observational study**
Ha Youn Lee (Seoul, Republic of Korea), Byoung Jun Lee, Keun Bum Jung, Hyojung Lim
- PA4198 The degree of consistency between different aids for choosing type of inhaler**
Karoline Litrup King (Aarhus, Denmark), Lotte Hasling Kodbøl Jørgensen, Anders Løkke
- PA4199 Investigating inhaler technique in patients with COPD using different aids**
Lotte Hasling Kodbøl Jørgensen (Viby J, Denmark), Karoline Litrup King, Anders Løkke
- PA4200 Screening of inhalation technique and treatment adherence of COPD, asthma and ACO patients**
Marta Nobre Pereira (S. Brás de Alportel, Portugal), Tânia Marques, Cláudia Guerreiro, Djamila Neves, Vanda Areias, Karl Cunha, Helena Ramos, Isabel Ruivo, Ulisses Brito
- PA4201 Patient inhaler satisfaction with Spiromax Budesonide/Formoterol versus Diskus Fluticasone/Salmeterol in COPD**
Maarten van den Berge (Groningen, Netherlands), Kai Imkamp
- PA4202 Comparison of inhaler device preference of the physicians in the treatment of newly diagnosed adult asthma and COPD patients**
Bilun Gemicioğlu (Istanbul, Turkey), Hakan Gunen, Tevfik Ozlu, Aykut Cilli, Levent Akyildiz, Hasan Bayram, Esra Uzaslan, Ozgur Abadoglu, Arif Cimrin, Mecit Suerdem, Zeynep Misirligil, Gunay Can, Elif Ograli

TP-15

Session 445

12:50 - 14:40

Thematic poster: Airway inflammation: pharmacological mechanisms and novel targets

Disease(s) : Airway diseases Respiratory critical care Thoracic oncology

Method(s) : Cell and molecular biology Physiology General respiratory patient care Imaging Public health

Chairs : Lena Uller (Lund, Sweden), Sara Jane Bonvini (London, United Kingdom), Reinoud Gosens (Groningen, Netherlands), Nelly Frossard (Illkirch, France)

- PA4203** **Astragalus membranaceus promotes the function of regulatory t cells from asthma patients in remission periods in vitro**
Hualiang Jin (Hangzhou, China), Limin Wang, Jian Ye, Shenglin Ma
-
- PA4204** **The effect of Icaritin on airway smooth muscle cells proliferation and apoptosis**
Dong Yao (Guilin, China), Bo Xiao, Lixia Hou, Lihong Yang, Biwen Mo
-
- PA4205** **The bronchial expression of vanin in moderate to severe asthma**
Andrew Higham (Manchester (Greater Manchester), United Kingdom), Marco Schleputz, Kirsten Arndt-Schmitz, Dave Singh
-
- PA4206** **Anti-oxidative and anti-inflammatory effects of Xanthorrhizol on aeroallergens-induced biological responses in vitro and ex vivo**
Wupeng Liao (Singapore, Singapore), Yi Wei Khoo, Jia Wen, Kimberley Goh, Wai-Shiu, Fred Wong
-
- PA4207** **Potential effect of insulin on M3 muscarinic receptor agonist induced airway smooth muscle contraction**
Zhenying Nie (Portland, United States of America), Becky Proskocil, David Jacoby, Allison Fryer
-
- PA4208** **Investigation of the relationship between montelukast treatment, asthma and depression-like behavior in mice**
Gökçen Telli (Ankara, Turkey), Turgut Emrah Bozkurt, Sevgen Onder, Emirhan Nemetlu, Banu Cahide Tel
-
- PA4209** **Beclomethasone protects against human airway hyperresponsiveness induced by cow's milk aspiration**
Luigino Calzetta (Roma (RM), Italy), Maria Gabriella Matera, Gennaro Liccardi, Beatrice Ritondo, Paola Roncada, Domenico Britti, Paola Rogliani
-
- PA4210** **A novel TRPA1 antagonist inhibits ovalbumin-induced bronchoconstriction in guinea pig models**
Loes E. M. Kistemaker (Groningen, Netherlands), Mariska P.M. van den Berg, Susan Nijboer-Brinksma, Sophie Bos, Maarten Van Den Berge, David Lamb, Martijn Van Faassen, Ido Kema, Reinoud Gosens
-
- PA4211** **The influence of inhalation of brine from the Wieliczka Salt Mine on inflammation and airway hyperreactivity in a murine model of non-atopic asthma**
Dominika Zajac (Warszawa, Poland), Ewelina Russjan, Magdalena Kostrzon, Maria Kmiecki, Katarzyna Kaczyńska
-
- PA4212** **Disease and cell type specific glucocorticoid receptor-isoform expression and re-synthesis in asthma**
Liang Zhou (Basel, Switzerland), Lei Fang, Michael Roth, Michael Tamm, Daiana Stolz
-
- PA4213** **Calcium-sensing receptor (CaSR) drives lung ECM remodelling and fibrosis in murine asthma models and in ageing mice**
Richard Bruce (Cardiff, United Kingdom), Richard Bruce, Ping Huang, Polina Yarova, Martin Schepelmann, Martin Schepelmann, Kasope Wolffs, Bethan Mansfield, William Ford, Emma Kidd, Wenhan Chang, Rupert Ecker, Robert Nica, Sun Ying, Paul Kemp, Daniela Riccardi
-
- PA4214** **Japanese herbal medicine Hochu-ekki-to (TJ-41) attenuates lung inflammation in lung emphysema.**
Hideaki Isago (shibua-ku, Tokyo, Japan), Akihisa Mitani, Shiho Kohno, Saki Nagoshi, Taro Ishimori, Minako Saito, Hiroyuki Tamiya, Yu Mikami, Taisuke Jo, Go Tanaka, Takahide Nagase
-
- PA4215** **Extracorporeal shock waves increase markers of cellular proliferation in primary bronchial fibroblasts of COPD patients**
Antonino Di Stefano (Veruno (NO), Italy), Roberto Frairia, Isabella Gnemmi, Antonella Marino Gammazza, Alessio Piraino, Bruno Balbi, Maria Graziella Catalano
-
- PA4216** **ACTIVATION OF NUCLEAR FACTOR ERYTHROID 2-RELATED (Nrf2) SYSTEM AS A NOVEL THERAPEUTIC APPROACH IN COPD**
Cristina Estornut (Paterna, Spain), Inés Roger, Beatriz Ballester, Pilar Ribera, Julio Cortijo
-
- PA4218** **P2RX4 signalling enhances acute cigarette smoke-induced lung inflammation and chronic lung emphysema development**
Sven Schneider (Freiburg, Germany), Sanja Cicko, Andreas Zech, Madelon Hoßfeld, Marco Idzko
-
- PA4219** **Effect of anti-IL17 and/or Rho-kinase inhibitor treatments on vascular remodelling in an asthma model in mice**
Iolanda Tibério (São Paulo (SP), Brazil), Tabata M. Santos, Elaine C. Campos, Renato F. Riguetti, Leandro N. Camargo, Silvia Fukuzaki, Bianca G. Rezende, Beatriz M. Saraiva-Romanholo, Carla M. Prado, Edna A. Leick, Milton A. Martins
-
- PA4220** **Safety, tolerability and pharmacokinetics (PK) of AZD8154 (a selective PI3K γ inhibitor) after single ascending inhaled doses in healthy volunteers**
Muhammad Waqas Sadiq (Mölnådal, Sweden), Sara Asimus, Cecilia Kristensson, Anette Hagberg, Jukka Mäenpää, Barbara Valastro, Rainard Fuhr, Thomas Koernicke, Christina Keen, Wayne Brailsford, Joanne Betts

PA4221 Late Breaking Abstract - Impact of multi-disciplinary involvement on smoking cessation in the acute admissions unit (AMU)
Ravijyot Saggu (London, United Kingdom), Naseem Mushtaq, Tehmeena Khan

TP-16

Session 446

12:50 - 14:40

Thematic poster: COPD treatment: clinical trials, cohorts and inhaler device studies

Disease(s) : **Airway diseases** **Respiratory critical care**

Method(s) : Public health Pulmonary function testing General respiratory patient care Imaging Epidemiology Cell and molecular biology

Chairs : Melissa McDonnell (Oranmore (Co Galway), Ireland), Chin Kook Rhee (Seoul, Republic of Korea), Richard E. K. Russell (Lymington (Hampshire), United Kingdom), Thomas Wilkinson (Southampton (Hampshire), United Kingdom)

PA4222 Improvement in the drug delivery of salmeterol/fluticasone via a novel breath actuated pressurized metered dose inhaler with a dose counter
Jaideep Gogtay (Mumbai (Maharashtra), India), Amol Tambe, Kiran Rote, Geena Malhotra, Braj Gaurav Sharma, Aseem Bhatnagar, Vaibhav Gaur

PA4223 Device handling study of a novel breath-actuated inhaler Synchrobreath vs pMDI
Jaideep Gogtay (Mumbai (Maharashtra), India), Santhalingam Balamurugan, Komalkirti Apte, Bhanu Pratap Singh, Ashish Kumar Deb, Chandras Deshmukh, Kinjal Modi, Ajay Godse, Raja Dhar, Keya Lahiri, Virendra Singh, Hirendra Pandya, Sujeet Rajan, Abhijit Vaidya, Vaibhav Gaur

PA4224 Time is Essential for Competent Inhaler Technique Training
Bhavin Mehta (London, United Kingdom), Saskia Edwards, Nicholas Hopkinson, Alanna Hare, Omar Usmani

PA4226 Side effects of inhaled budesonide through different types of inhalers
Oleksandr Varunkiv (Ivano-Frankivsk, Ukraine), Kseniia Ostrovska, Mykola Ostrovskyy, Iryna Savelikhina, Nadiia Korzh

PA4227 Patient centric optimisation of a successful soft mist inhaler
Raphael Krampe (Dortmund, Germany), Martin Meisenheimer, Marion Frank, Sabine Kattenbeck, Asparuh Gardev, Stefan Leiner, Felix Weiland

PA4228 Critical handling errors with dry-powder, metered dose and soft-mist inhaler devices in an observational COPD study
Johanna Sulku (Gävle, Sweden), Christer Jansson, Håkan Melhus, Hirsh Koyi, Margareta Hammarlund-Udenaes, Björn Stållberg, Kristina Bröms, Andrei Malinowski, Marieann Högman, Karin Lisspers, Elisabet Nielsen

PA4229 Impact of inhalation delay on medication delivery from a salbutamol HFA pressurized metered dose inhaler used with and without a new prototype portable valved holding chamber
Jason Suggett (London (ON), Canada), Alison Ellery, Cathy Doyle, Rubina Ali, Mark Nagel

PA4230 In-vitro product performance of fluticasone furoate (FF)/umeclidinium (UMEC)/vilanterol (VI) delivered from a dry powder inhaler (DPI) using the Electronic Lung (EL) to replicate patient inhalation profiles
David Prime (Ware (Hertfordshire), United Kingdom), Melanie Hamilton, Edward Taylor

PA4231 Analysis of peak inspiratory flow and use of dry powder inhalers in patients with chronic obstructive pulmonary disease
Maria Da Penha Uchoa Sales (Fortaleza (CE), Brazil), Cynthia Maria Sampaio, Talita Maciel B Noronha, João Paulo Ramalho Correa, Marta Maria França Fonteneles, Paulo Andrei Milen Firmino

PA4232 Computerised measurements of inhalation ability with two different devices in patients with severe COPD.
Martin Anderson (Hägersten, Sweden), Priya Thind, Mikaela Qvarfordt

PA4233 Does the number of inhalers used by patients with asthma and COPD determine number of mistakes in inhalation technique?
Izabela Domagała (Zielona Góra, Poland), Marta Miszczuk, Katarzyna Luczak-Wozniak, Marta Dabrowska, Rafal Krenke

PA4234 Effectiveness of long-term treatment with erythromycin in patients with Asthma-COPD overlap syndrome
Olga Nesterovska (Chernivtsi, Ukraine), Ganna Stupnytska, Oleksandr Fediv, Anastasiia Stupnytska

PA4235 Non-invasive sanitation of a bronchial tree with different phenotypes of chronic obstructive pulmonary disease
Galina Ignatova (Chelyabinsk, Russian Federation), Galina Ignatova

PA4236 Poor inhalation technique is a major determinant of acute exacerbations
Anna Vanoverschelde (Ghent, Belgium), Paulien Van Der Wel, Lies Lahousse

- PA4237 Mechanical non-invasive pursed-lip breathing ventilation for hypercapnic patients with COPD**
Stephan Rüller (Borstel, Germany), Christoph Jünger, Maja Reimann, Lenka Krabbe, Karoline Gaede, Christoph Lange, Christian Herzmann
- PA4238 Annual FEV1% variation before and after augmentation therapy in severe alpha-1-antitrypsin deficiency**
Gil Gonçalves (Lousada, Portugal), Sara Cabral, António Paulo Lopes
- PA4239 Clinical characteristics of physician diagnosed asthma-COPD overlap**
Hyun Lee (Seoul, Republic of Korea), Sung Jun Chung, Yoomi Yeo, Tai Sun Park, Dong Won Park, Ji Young Moon, Tae Hyung Kim, Jang Won Sohn, Ho Joo Yoon, Sang-Heon Kim
- PA4240 Serum immunoglobulin E (IgE) in COPD: analysis of the German COSYCONET cohort**
Marek Lommatzsch (Rostock, Germany), Christian Herr, Rudolf A. Jörres, Claus Vogelmeier, Robert Bals
- PA4241 Respiratory point of care testing (R-POCT) to facilitate diagnosis and treatment in the community for COPD exacerbations**
Kay Roy (St Albans (Hertfordshire), United Kingdom), Audrey Marau, Lawrence Gora, Glenda Esmond, Corina Ciobanu, Maria Buxton

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Session 447

12:50 - 14:40

Thematic poster: Asthma: outcomes of clinical trials and cohorts

Disease(s) : **Airway diseases** **Respiratory critical care** **Sleep and breathing disorders**

Method(s) : Epidemiology General respiratory patient care Cell and molecular biology

Chairs : Michel Aubier (Paris, France), Christian Taube (Essen, Germany), Lies Lahousse (Ghent, Belgium), Stephen James Fowler (Preston (Lancashire), United Kingdom)

- PA4242 Management of asthma during pregnancy by consultant allergists: care is still not in consonance with clinical practice guidelines**
Kakha Bregvadze (Tbilisi, Georgia)
- PA4243 A preliminary study to determine the effects of nebulised salbutamol on blood glucose levels during an acute asthma exacerbation.**
Craig Mortimer (Sevenoaks (Kent), United Kingdom)
- PA4244 Once- vs. twice-daily inhaled therapy in asthma: a network meta-analysis**
Josuel Ora (Roma (RM), Italy), Luigino Calzetta, Laura Garzillo, Maria Gabriella Matera, Mario Cazzola, Paola Rogliani
- PA4245 Budesoinde/formoterol: does eosinophil count cause different outcomes?**
Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Yuriy Mostovoy, Nataliia Slepchenko, Nataliia Tsymbaliuk, Andrii Sidorov
- PA4246 Genetic markers of the efficiency of glucocorticoid and antileukotriene drugs therapy in asthma patients**
Olga Savelieva (Ufa, Russian Federation), Aleksandra Karunas, Yuliya Fedorova, Galiya Gimalova, Radik Gatiyatullin, Regina Murzina, Liliya Muchtarova, Esphir Etkina, Shamil Zagidullin, Elza Khusnutdinova
- PA4247 EFFECTS OF CYP3A5*3 ON ANTI-INFLAMMATORY THERAPY IN CHILDREN WITH BRONCHIAL ASTHMA**
Anastasiia Zastrozhina (Moscow, Russian Federation), Dmitry Sychev, Svetlana Zaitseva, Irina Zakharova
- PA4248 Difficult-to-treat asthma : a multidimensional approach before considering targeted therapy**
Sabrine Louhaichi, Besma Hamdi, Ikbel Khalfallah, Alaa Akkad, Jamel Ammar, Anissa Berraies, Agnès Hamzaoui
- PA4249 Airway hyperresponsiveness to mannitol improves in both type 2 low and type 2 high asthma after specialist management**
Morten Hvidtfeldt (København V, Denmark), Asger Sverrild, Vibeke Backer, Celeste Porsbjerg
- PA4250 Severe asthma registry program of Thailand (SARP-T) under multi-disciplinary care team Ramathibodi Hospital (A pilot study)**
Kawamatawong Theerasuk (Bangkok, Thailand), Alisa Sahatbhiwat, Ticha Rerkpattanapipat
- PA4251 QUALAS: QUALity of Life and burden in ASthma, a comparison between uncontrolled severe asthma and controlled moderate/severe asthma**
Arnaud Bourdin (Montpellier Cedex 5, France), Cécile Chenivresse, Alain Didier, Chantal Touboul, Mathieu , Laurent Portel
- PA4252 Gene expression of nociceptors in the esophagus of patients with gastro-esophageal reflux (GER)-associated chronic cough**
Norihisa Takeda (Nagoya, Japan), Masaya Takemura, Hisatoshi Hijikata, Kensuke Fukumitsu, Jeniffer Go, Hirono Nishiyama, Ryouta Kurokawa, Yoshihiro Kanemitsu, Eiji Kubota, Takeshi Kamiya, Takashi Ueda, Akio Niimi

- PA4253** **Mepolizumab as a steroid-sparing agent for eosinophilic granulomatosis with polyangiitis: a case series**
Satoshi Yamawaki (Tokyo, Japan), Ryuta Tsuzuki, Seiko Soeda, Otohito Katsube, Yuta Kono, Masako To, Yasuo To
- PA4254** **Mometasone furoate delivered via Breezhaler and Twisthaler in patients with asthma**
Roland Buhl (Mainz, Germany), Ana-Maria Tanase, Motoi Hosoe, Weihua Cao, Ivan Demin, Christian Bartels, Jürgen Jauernig, Dominik Ziegler, Francesco Patalano, Bettina Hederer, Frank Kannies, Hanns-Christian Tillmann
- PA4255** **Long-acting anti-muscarinic agents (LAMA) frequency of use and clinical features of patients with severe asthma in real-life setting: data from the Severe Asthma Network in Italy (SANI) registry**
Francesca Antonietta Puggioni (Rozzano (MI), Italy), Enrico Marco Heffler, Giorgio Walter Canonica, Manuela Latorre, Francesco Blasi, Pierluigi Paggiaro, Marco Caminati, Gianenrico Senna
- PA4256** **Evaluation of urea as a normalization factor for nasosorption samples**
Rebecca Bauer (South San Francisco, United States of America), Verena Steffen, Fang Cai, Tracy Staton, Meire Bremer, Prajna Banerjee
- PA4257** **Efficacy and safety profile of doxofylline compared to theophylline in asthma: a meta-analysis**
Paola Rogliani (Roma (RM), Italy), Luigino Calzetta, Josuel Ora, Mario Cazzola, Maria Gabriella Matera
- PA4258** **Real-life inhaler technique in asthma patients using the electronic ProAir Digihaler**
Henry Chrystyn (Bingley (West Yorkshire), United Kingdom), Guilherme Safioti, Dan Buck, Lena Granovsky, Enric Calderon, Thomas Li, Michael Reich, Tanisha Hill, Michael Depietro, Roy Pleasants
- PA4259** **Do seasons, in a warm temperate Mediterranean country, have an impact on asthma exacerbations?**
Amany Touil (Tunis, Tunisia), Jihen Ben Amar, Haifa Zaïbi, Madiha Mahfoudhi, Basma Dhahri, Hichem Aouina
- PA4260** **Late Breaking Abstract - Patterns of inhaled corticosteroid-formoterol prescriptions in Poland**
Rafał Dobek (Warsaw, Poland), Wojciech Barg, Grażyna Bochenek, Grzegorz Brożek, Dorota Brzostek, Piotr Dąbrowiecki, Andrzej Dąbrowski, Radosław Gawlik, Aleksandra Kucharczyk, Maciej Kupczyk, Izabela Kuprys-Lipińska, Agnieszka Mastalerz-Migas, Edyta Zagrajek, Marek L. Kowalski
- PA4261** **Late Breaking Abstract - Preliminary analysis of the data of patients with severe bronchial asthma included in the Russian National Register of Severe Asthma (RSAR)**
Natalia Nenasheva (Moscow, Russian Federation), Andrey Belevsky, Natalia Kravchenko, Sergey Avdeev, Aleksandr Emel'Yanov, Oksana Kurbacheva, Igor Leschenko

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Session 448

12:50 - 14:40

Thematic poster: Research and innovation in airway diseases

Disease(s) : **Airway diseases**

Method(s) : Physiology Epidemiology General respiratory patient care Cell and molecular biology Pulmonary function testing Public health

Chairs : Tankut G. Guney (London, United Kingdom), Francesco Blasi (Milan, Italy), Eduardo Márquez Martín (Sevilla, Spain)

- PA4262** **Prevotella genera abundance in bronchial brush samples differentiates COPD from health and is associated with gene expression**
Mohammadali Yavari Ramsheh (Leicester (Leicestershire), United Kingdom), Gian Andri Thun, Anna Esteve Codina, Koironi Haldar, Michael Barer, Ivo Gut, Loems Ziegler-Heitbrock, Dave Singh, Christopher Brightling
- PA4263** **Clinical significance of serum MRGPRX2 as a new biomarker in allergic asthma**
Jin An (Seoul, Republic of Korea), Ji-Hyang Lee, Yewon Kang, Ha-Kyeong Won, Woo-Jung Song, Hyouk-Soo Kwon, You Sook Cho, Hee-Bom Moon, Tae-Bum Kim
- PA4264** **Relationship between level of transforming growth factor beta 1 (TGF beta 1) and serum amyloid A in COPD patients**
Daria Koval (Dnipropetrovsk, Ukraine), Tetyana Pertseva
- PA4265** **How does smoking influence major phospholipids and proteins in lung surfactant?**
Emilia Viklund (Göteborg, Sweden), Jeong-Lim Kim, Hatice Koca Koca, Anna-Carin Olin
- PA4266** **Nasal cytology analysis in stable COPD patients**
Maria Rosaria Vulpi (Toritto (BA), Italy), Michela Dimitri, Enrico Buonamico, Vitaliano Nicola Quaranta, Brigida Sterlicchio, Vito Liotino, Matteo Gelardi, Onofrio Resta
- PA4267** **Altered phenotype of COPD primary fibroblasts from airway and alveolar tissues: proliferation and apoptosis.**
Yingying Zeng (Shanghai, China), Yingying Zeng, Weiping Hu, Yihui Zuo, Jing Zhang

- Modelling electronic nose sensor deflections by matching Gas Chromatography-Mass Spectrometry exhaled breath samples**
PA4268 Paul Brinkman (Amsterdam, Netherlands), Anirban Sinha, Ariane Lammers, Job J.M.H. Van Bragt, Levi B. Richards, Yennece W.F. Dagelet, Mahmoud I.A. Ibrahim, Anne H. Neerincx, Lieuwe D. Bos, Peter J. Sterk, Anke-Hilse Maitland-Van Der Zee
-
- Correlation between the asthma control, bronchial inflammation and airway response to hypoosmotic stimulus**
PA4269 Juliy M. Perelman (Blagoveshchensk (Amur Oblast), Russian Federation), Evgeniy A. Borodin, Mikhail A. Shtarberg, Anna G. Prikhodko, Evgeniya Y. Afanaseva, Valentina I. Pavlenko, Nikolay R. Grigoryev
-
- Assessment of induced sputum cellularity in COPD patients belonging to two different classes of air pollution exposure.**
PA4270 Silvano Dragonieri (Bari (BA), Italy), Donato Lacedonia, Grazia Pia Palladino, Giulia Scioscia, Giovanna Elisiana Carpagnano, Pierluigi Carratu, Onofrio Resta, Maria Pia Foschino Barbaro
-
- The role of inflammatory biomarkers like precursors of COPD stability during long-term follow-up**
PA4271 Bogdana Basina (Dnipropetrovsk, Ukraine), Lyudmyla Konopkina, Tetyana Pertseva
-
- Multi-matrices screening for untargeted volatilomics by GC×GC-TOFMS**
PA4272 Delphine Zanella (Liege, Belgium), Pierre-Hugues Stefanuto, Florence Schleich, Renaud Louis, Jean-François Focant
-
- Surfactant Protein A in Particles in Exhaled Air and serum**
PA4273 Hatice Koca Akdeve (Gothenburg, Sweden)
-
- Blood neutrophils correlate with obesity in asthmatic patients**
PA4274 Anamarija Štajduhar (Zagreb, Croatia), Marina Lampalo, Nikola Ferara, Irena Jukić, Blaženka Barišić, Miroslav Samaržija, Sanja Popović Grle
-
- Artificial neural networks within the severity stratification of the chronic obstructive pulmonary disease**
PA4275 Ilya Kurpatov (Vladivostok, Russian Federation), Boris Geltser, Carina Shahgeldyan, Vladimir Kotelnikov
-
- Expiratory gas analysis using mass spectrometry in chronic obstructive pulmonary disease**
PA4276 Naoko Kawata (Chiba, Japan), Toshihiko Sugiura, Yukiko Matsuura, Jun Ikari, Eiko Suzuki, Mitsuhiko Abe, Yuji Tada, Nozomu Sakurai, Koichiro Tatsumi
-
- Automated cell differential count in sputum is feasible and comparable to manual cell count in identifying eosinophilia**
PA4277 Laurits Frøssing (Copenhagen V, Denmark), Thomas Hartvig Lindkær Jensen, Jesper Østrup Nielsen, Debbie Parker, Celeste Porsbjerg, Vibeke Backer
-
- Late Breaking Abstract - Diagnosis of chronic obstructive pulmonary disease (COPD) exacerbations using a smartphone-based, cough-centred algorithm**
PA4278 Scott Claxton (Joondalup, Australia), Paul Porter, Javan Wood, Vesa Peltonen, Joanna Brisbane, Fiona Purdie, Claire Smith, Natasha Bear, Udantha Abeyratne
-
- Regulation disorders of pulmonary lipid metabolism in chronic obstructive pulmonary disease**
PA4279 Stanislav Kotlyarov (Ryazan, Russian Federation), Aleksei Bulgakov
-
- Particles in exhaled air before and after the methacholine challenge test**
PA4280 Ewa Ternsten (Gothenburg, Sweden), Ewa-Lena Johansson, Spela Kokelj, Hanne Krage Carlsen, Eva Millquist, Anna-Carin Olin

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Session 449

12:50 - 14:40

Thematic poster: Airway disease-associated exacerbations

Disease(s) : Airway diseases

Method(s) : Physiology General respiratory patient care Epidemiology Pulmonary function testing Public health Respiratory intensive care

Chairs : Jamil Jubrail (Edinburgh, United Kingdom), Arturo Humberto Huerta Garcia (Barcelona, Spain), Florence Schleich (Liège, Belgium), James Allinson (London, United Kingdom)

- Efficiency of different approaches for the assessment of the risk of exacerbations in patients with COPD**
PA4281 Alexandru Corlateanu (Chisinau, Republic of Moldova), Eugenia Scutaru, Doina Rusu, Olga Corlateanu, Serghei Covantsev, Victor Botnaru
-
- Factors associated with prolonged duration of AECOPD: Analysis of the ECLIPSE cohort**
PA4282 William Fahy (Berkshire, United Kingdom), Marion Fahey, Wilhelmine Meeraus, Celine El Baou, Hana Mullerova, Edith M. Hessel

- PA4283 Inappropriate Utilization of Antibiotics in COPD Exacerbations**
Yelda Varol (Izmir, Turkey), Zuhail Karakurt, Ali Kadri Cirak, Hulya Sahin, Cenk Kirakli, Berna Komurcuoglu
-
- PA4284 Identification of risk factors of acute cardiovascular events in acute exacerbation period for patients with COPD: a prospective nested case-control study**
Jing Zhang (Shanghai (Xuhui District), China), Wei-ping Hu, Tsokyi Lhamo, Yi-Hui Zuo, Ying-Ying Zeng
-
- PA4285 Outcomes among admitted and outpatient RSV adult patients with chronic obstructive pulmonary disease**
Susan Bolge (Raritan, United States of America), Veronique Wyffels, Furaha Kariburyo, Huseyin Yuce, Roman Fleischhackl
-
- PA4286 Cardiac troponin increases in COPD patients hospitalised for pneumonias as well as exacerbations**
Vidar Søyseth (Oslo, Norway), Natalia Kononova, Gunnar Einvik
-
- PA4287 Predictors for early readmission after COPD exacerbation**
Irene Bocigas Huescar (Valencia, Spain), Alba Mulet, Carolina Lahosa, Jaime Signes-Costa Miñana, Belen Safont, Cruz Gonzalez, Emilio Servera
-
- PA4288 frequent exacerbations of COPD are associated with severity of airflow limitation and chronic cough, sputum production.**
Karim KHENNOUF (ALGIERS, Algeria), Samya Taright, Aziza Fissah
-
- PA4289 COPD self-management exacerbation action plans: predictors of adherence**
Jade Schrijver (Zwolle, Netherlands), Tanja Effing, Marjolein Brusse-Keizer, Job Van Der Palen, Paul Van Der Valk, Anke Lenferink
-
- PA4290 Cardiac biomarkers and outcomes of COPD exacerbations**
Eskandarain Shafuddin (Hamilton, New Zealand), Catherina Chang, Robert Hancox
-
- PA4291 Predicting treatment outcomes following an exacerbation of airways disease**
Andreas Halner (OXFORD (Oxfordshire), United Kingdom), Sally Beer, Mona Bafadhel, Richard Russell
-
- PA4292 Clinical analysis of acute exacerbation of COPD cases with increased eosinophilic granulocytes in peripheral blood**
Tiangang Ma (Changchun, China), Tiangang Ma, Yanbing Hu, Qinghua Zhang
-
- PA4293 The importance of C-reactive protein in patients with acute exacerbation of severe COPD**
Iryna Savelikhina (Ivano-Frankivsk, Ukraine), Kseniia Ostrovska, Oleksandr Varunkiv, Mykola Ostrovskyy, Kostiantyn Shvets, Nadiia Korzh
-
- PA4294 Outcomes of patients with hypoxemia referred to the home oxygen service post-acute exacerbation of chronic lung disease**
Anna Mowat (Stafford, United Kingdom), Manoj Marathe, Abdisamad Ali, Nam Tran, Karen Leech, Victoria Campbell, Naveed Mustafa
-
- PA4295 FEV1/FEV6 index in hospitalized patients with multimorbidity**
Bruno Garcia Cabo (Barcelona, Spain), Komal Shakeel, Luis Simon, Annie Navarro Rolon, Pere Almagro Mena
-
- PA4296 The Impact of Multimorbidity on Hospitalizations in Patients with Chronic Obstructive Pulmonary Disease (COPD): a Population-Based Study**
Elena Jureviciene (Vilnius, Lithuania), Roma Puronaite, Edvardas Danila
-
- PA4297 Study of clinical presentation and predictors of adverse outcome in patients admitted for acute exacerbation of COPD.**
Pankaj Maheshwari (INDORE, India)
-
- PA4298 What are the differences between moderate and severe COPD exacerbation groups?**
Fatma Çiftci (Ankara, Turkey), Deniz Doğan Mülazımoğlu, Sümeyye Ayöz, Bilge Atasoy, Elif Şen
-
- PA4299 Characteristics of patients with frequent EXACT-PRO defined exacerbations**
Ahmed Javid Yousuf (Oxford (Oxfordshire), United Kingdom), Gita Parekh, Joanne Finch, Sarah Parker, Sarah Glover, Leisl Carr, Anelyse Duvoix, Vijay Mistry, Linda O'Brien, Keir Lewis, Christopher Brightling
-
- PA4300 Identifying tools to investigate outcomes following an exacerbation of COPD**
Andreas Halner (OXFORD (Oxfordshire), United Kingdom), Pamela Burrage, Dan Nicolau, Mona Bafadhel

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Session 450

12:50 - 14:40

Thematic poster: Comorbidities in COPD and asthma: body composition and diabetes

Disease(s) : Airway diseases**Method(s) :** General respiratory patient care Pulmonary function testing Cell and molecular biology Epidemiology Pulmonary rehabilitation Public health Palliative care**Chairs :** Esther Barreiro Portela (Barcelona, Spain), Stuart Elborn (Belfast (Belfast), United Kingdom), Dina Visca (Tradate, Italy), Stanislaw Bazan-Socha (Kraków, Poland)

- PA4301 Osteoporosis and its relation with severity of COPD and steroids use**
Gopal Chawla (New Delhi (Delhi), India), Vinod Sharma, Shubhra Jain, Vinod Joshi, Ram Niwas
-
- PA4302 Bone demineralization in Chronic Obstructive Pulmonary Disease: is there an impact?**
Mariem Ferchichi (Tunis, Tunisia), Haifa Zaibi, Sarra Mazeoui, Asma Jarrar, Nouha Guediri, Rana Hmissi, Jihene Ben Ammar, Basma Thahri, Hichem Aouina
-
- PA4303 Assessment of nutritional status of patients with COPD in the hospital**
Tadeusz M. Zielonka (Warszawa, Poland), Malgorzata Hadzik-Blaszczyk, Agata Korzeniewska, Katarzyna Zycinska
-
- PA4304 Main predictors and correlations of COPD-induced sarcopenia.**
Angelina Suleymanova (Moscow, Russian Federation), Irina Baranova
-
- PA4305 Vitamin D negatively correlates with blood eosinophilia in stable adult asthmatics**
Michela Bullone (Grugliasco, Italy), Vitina Carrero, Francesca Bertolini, Fabio Luigi Massimo Ricciardolo
-
- PA4306 Nutritional intake and habitual food consumption of patients with COPD in relation to fat-free mass index**
Abir Hedhli Ep Cherni (Bab Saadoun, Tunisia), Safa Ben Khaled, Sana Cheikhrouhou, Sonia Toujani, Yacine Ouahchi, Meriem Mjid, Smaira Merai
-
- PA4307 Nutrition status and mortality rate during 5-years follow-up in patients with COPD.**
Eva Voláková (Olomouc 9, Czech Republic), Jaromir Zatloukal, Michal Svoboda, Marek Plutinsky, Kristian Brat, Barbora Novotna, Patrice Ppopelkova, Pavlina Musilova, Jaroslav Lnenicka, Lucie Heribanova, Zuzana Liptakova, Tomas Dvorak, Petra Voglova, Petr Safranek, Rostislav Simek, Libor Nevoranek, Michal Kopecky, Eva Kocova, Katerina Neumannova, Marketa Skrobackova, Vladimir Koblizek
-
- PA4308 Do people with COPD with different BODE index scores present differences in food intake?**
Juliana Uzeloto (Anhumas, Brazil), Ercy Mara Cipulo Ramos, Fabiano Lima, Isis Silva, Dionei Ramos, Vinicius Cavalheri
-
- PA4309 COPD patients with skeletal muscle dysfunction VS patients without impairment of skeletal muscle. Comparing features of COPD and life quality.**
Vitalii Poberezhets (Vinnytsia, Ukraine), Yuriy Mostovoy, Anna Demchuk
-
- PA4310 Impact of Sarcopenia and Malnutrition on disease severity, nutritional variables and inflammatory parameters in COPD patients**
Francesca de Blasio (Torino, Italy), Davide Dassetto, Renza Ambrosanio, Luca Riberi, Anna Maria Rella, Caterina Bucca
-
- PA4311 Under nutrition is common in patients admitted to hospital with exacerbations of COPD**
Bajee Krishna Sriram (Gold Coast (QLD), Australia), Manoj Chore, Andrea Marshall
-
- PA4312 Nutritional status and physical activity in patients with COPD, and factors associated with malnutrition**
Zinka Matković (Zagreb, Croatia), Danijel Cvetko, Dario Rahelić, Cristina Esquinas, Marko Žarak, Marc Miravittles, Neven Tudorić
-
- PA4313 Reduced number of subcutaneous adipocytes and metabolic disorders in patients with pulmonary emphysema.**
Takao Tsuji (Tokyo, Japan), Kentaro Imai, Ryota Kikuchi, Kinya Furukawa, Kazutoshi Toriyama, Mayuko Ishiwari, Chika Yajima, Jyunichiro Kawagoe, Yuuki Togashi, Hiroyuki Nakamura, Kazuhiro Yamaguchi, Kazutetsu Aoshiba, Shinji Abe
-
- PA4314 Association of serum bilirubin and clinical outcomes in COPD**
Ji Ye Jung (Seoul, Republic of Korea), Ah Young Leem, Young Sam Kim, Ju Hye Shin, Yeon Mok Oh, Sang Do Lee, Kold Study Group
-
- PA4315 Chronic liver diseases in COPD patients in primary care.**
Elena Klester (Barnaul (Altai Region), Russian Federation), Karolina Klester, Valeriy Elykomov, Antonina Berdyugina, Irina Belova, Alexander Zharikov
-
- PA4316 The burden of obesity for asthmatic patients.**
Sara Isabel Campos Silva (Paços de Ferreira, Portugal), Nídia Caires, Madalena Emiliano, Rita Gerardo, Inês Duarte, Luísa Semedo, João Cardoso
-
- PA4317 Glucose tolerance and mobilization of neutrophils in smokers with and without chronic obstructive pulmonary disease.**
Nikolaos Pournaras (Solna, Sweden), Anders Andersson, Melissa Kovach, Koustav Ganguly, Medea Padra, Helga Asgeirsdottir, Karlhans Che, Bettina Levänen, Sara Lindén, Per-Anders Jansson, Ingemar Qvarfordt, Anders Lindén

PA4318 Effect of vaccination of pneumococcal infection on the course of chronic obstructive pulmonary disease in combination with diabetes mellitus
Elena Blinova (Chelyabinsk (Chelyabinsk Oblast), Russian Federation), Galina Ignatova, Vladimir Antonov

PA4319 Diabetes and chronic obstructive pulmonary disease
Fettal Nadia (Sidi Bel Abbes, Algeria), Beziou Yamina, Taleb Abdessamed

PA4320 Association between bronchial reactivity and diabetes type 2
Gunta Strazda (Riga, Latvia), Normunds Jurka, Olaga Madaja, Agnese Ozola, Immanuels Taivans

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Session 451

12:50 - 14:40

Thematic poster: Phenotypes and comorbidities of airway diseases

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Epidemiology Pulmonary function testing Imaging Public health

Chairs : Florin Dumitru Mihaltan (Bucuresti, Romania), Jose Luis Lopez-Campos Bodineau (Sevilla, Spain), Surya Bhatt (Birmingham, United States of America), Anna-Carin Olin (Göteborg, Sweden)

PA4321 Frailty in COPD inpatients, does it affect length of stay and mortality?
Bethia Bradley (Chichester, United Kingdom), Hanna Nguyen, Zoe Cashin

PA4322 Identification of clinical phenotypes using cluster analyses in COPD patients
Alexandru Corlateanu (Chisihau, Republic of Moldova), Eugenia Scutaru, Doina Rusu, Olga Corlateanu, Serghei Covantev, Victor Botnaru

PA4323 Phenotyping emphysema – are there gender aspects?
Stefan Kühne (Berlin, Germany), Peter Hoffmann, Christina Hoffmann, Bianca Lassen-Schmidt, Christina Rott, Christian Witt, Uta Liebers

PA4324 COPD in women: a particular phenotype
Khadija Ayed (Nabeul, Tunisia), Soumaya Khaldi, Salma Mokaddem, Asma Chaker, Islam Hadj Khalifa, Najla Oueslati, Saloua Ben Khamsa Jamaledine

PA4325 Gender-dependent predictors for survival in patients with COPD
Catharina Gösser (Essen, Germany), Helmut Teschler, Christian Taube, Gerhard Weinreich

PA4326 Gender differences in patients with severe asthma in real-life setting: data from the Severe Asthma Network in Italy (SANI) registry
Gianenrico Senna (Verona (VR), Italy), Enrico Marco Heffler, Francesca Puggioni, Manuela Latorre, Marco Caminati, Francesco Blasi, Pierluigi Paggiaro, Giorgio Walter Canonica

PA4327 The impact of decreased 6MWT and exercise-induced desaturation on long-term survival and mortality related to Czech and Spanish phenotypes in patients with severe COPD
Marek Plutinsky (Brno, Czech Republic), Kristian Brat, Michal Svoboda, Patrice Popelkova, Eva Volakova, Jaromir Zatloukal, Barbora Novotna, Tomas Dvorak, Petr Vanik, Pavlina Musilova, Ondrej Kudela, Katerina Neumannova, Eva Kocova, Marketa Skrobaková, Vladimir Koblizek

PA4328 Frequent COPD exacerbators are not a stabile phenotype
Iliya Krachunov (Pleven, Bulgaria), Zlatina Ivanova, Nikolay Kyuchukov, Plamen Pavlov, Pavlina Glogovska, Tsanya Popova, Yavor Ivanov

PA4329 Exacerbation phenotypes of frequent versus non-frequent exacerbators among severe asthma patients
Karina Soenjoyo (Singapore, Singapore), Nivedita Nadkarni, Andrew Fang, Mariko Siyue Koh

PA4330 Are comorbidities related to frequent severe exacerbations of COPD?
Elif Şen (Ankara, Turkey), Deniz Dogan Mülazimoglu, Sümeyye Ayöz, Bilge Bilgin, Fatma Çiftçi

PA4331 Distinct asthma phenotypes in a multi-ethnic asian population
Tunn Ren Tay (Singapore, Singapore), Xuening Choo, Hang Siang Wong, Anthony Yii, Yong Huak Chan, Adrian Chan, Augustine Tee, Mariko Koh

PA4332 The prevalence of restless leg syndrome in chronic obstructive pulmonary diseases(COPD) patients
Hanieh Raji (Ahwaz, Islamic Republic of Iran), Mohamad Kazem Momeni, Seyed Ali Javadmoosavi

PA4333 Reducing the risk of COPD exacerbations as results of personalized therapy of co-morbidity with upper respiratory tract diseases
Vera Nevzorova (Vladivostok (Primorsky Krai), Russian Federation), Evgeny Gilifanov, Irina Martynenko, Dmitry Pavlus

- PA4334 The risk of hyperkalemia in COPD and asthma patients**
Jukka Mäenpää (Mölnådal, Sweden), Ulrika Emerath, Stefan Sultana, Marita Olsson, Mats Carlsson
-
- PA4335 Incidence of COPD in a sample of patients with psychosis: preliminary data from a 10 years longitudinal study**
Ana Viejo (Santander, Spain), Javier Vázquez-Bourgon, Carlos Amado Diago, Begoña Durantes Gómez, Mario Ruiz Nuñez, Roberto Garrastazu López, Miguel Ibañez Alario, Silvia Somonte Segares, Lucía Sánchez Blanco, Rodrigo Romero Jiménez, Benedicto Crespo Facorro
-
- PA4336 Do DECAF scores for acute exacerbation of COPD correlate with hospital anxiety and depression scale?**
Nirav Shah (London, United Kingdom), Kamal Ibrahim, Shruti Khurana, Rajesh Kumar Yadavilli
-
- PA4337 Breathless and blue: are anxiety and depression underdiagnosed in severe asthma?**
Rayan Alsuaigh (SINGAPORE, Singapore), Chee Kiang Tay, Wui Mei Chew, Michelle Shi, Andrew Fang, Mariko Siyue Koh
-
- PA4338 Comorbidities in chronic obstructive pulmonary disease: Prognostic factors?**
Emna Ben Jemai, Haifa Zaibi, Rana Fessi, Sarra Mazaoui, Asma Jarrar, Nouha Guediri, Besma Ourari, Jihen Ben Amar, Hichem Aouina
-
- PA4339 Glomerular filtration rate estimated using serum creatinine and cystatin c, and Creatinine Clearance measured in COPD patients.**
Carlos Antonio Amado Diago (Santander (Cantabria), Spain), Mayte Garcia-Unzueta, Milagros Ruiz De Infante, Bernardo Alio Lavin, Raúl Armando Guerra, Juan Agüero, Beatriz Abascal, Sandra Tello, Karla Fabiola Escobar, Sheila Izquierdo, Guido Andretta, Begoña Durantes
-
- PA4340 Frequency and features of formation of chronic kidney disease (CKD) in patients with chronic obstructive pulmonary disease.**
Elena Klester (Barnaul (Altai Region), Russian Federation), Karolina Klester

TP-22

Session 452

12:50 - 14:40

Thematic poster: Chronic cough, α 1-antitrypsin deficiency and other conditionsDisease(s) : **Airway diseases**

Method(s) : Pulmonary function testing General respiratory patient care Epidemiology Pulmonary rehabilitation Imaging Physiology Cell and molecular biology Public health Endoscopy and interventional pulmonology

Chairs : Imran Satia (Hamilton (ON), Canada), Timm Greulich (Marburg, Germany), Alexa Nuñez (Barcelona, Spain), Robert Andrew Stockley (Birmingham (West Midlands), United Kingdom)

- PA4341 Group-delivered speech and language therapy for chronic refractory cough: what do patients want?**
Bethany Tidmarsh (London (England), United Kingdom), Julia Selby, Emma Bailey, James Hull
-
- PA4342 Assessment of Inter- and Intra-Rater Reliability of Objective Cough Frequency in Patients with Chronic Cough**
Daniel Mines (North Wales, United States of America), Elizabeth Bacci, Allison M Nguyen, Shannon Shaffer, Jaclyn Smith, Margaret Vernon
-
- PA4343 Uncommon causes of chronic cough in non-smoking adults.**
Marta Dąbrowska (Warszawa, Poland), Elżbieta Grabczak, Katarzyna Białek-Gosk, Aleksandra Rybka, Olga Truba, Karolina Klimowicz, Rafal Krenke
-
- PA4344 Utility of a throat visual analogue scale in the assessment of chronic refractory cough**
Julia Selby (London, United Kingdom), Matthew Pavitt, Emil Walsted, Bethany Tidmarsh, James Hull
-
- PA4345 Do patients with asthma cough more frequently at night during impedance/pH monitoring than other patients with chronic cough?**
Karolina Klimowicz (Warszawa, Poland), Marta Dabrowska, Elzbieta Grabczak, Aleksandra Rybka, Katarzyna Bialek-Gosk, Rafal Krenke
-
- PA4346 The Clinicoradiological Profile of Obliterative Bronchiolitis at a Tertiary Care Centre**
Suhās H S, Ketaki Utpat, Unnati Desai, Jyotsna Joshi
-
- PA4347 Short-term exposure to high ambient air pollution aggravates respiratory symptom and lung function in asthma patients in Beijing, China**
Yi Xuan Liao (Beijing, China), Steven Kenneth Huang, Xuan Yang, Wen Jun Mi, Wan Lu Sun, Min Xia Li, Guo Hua Jia, Fan Lin, Cheng Cheng Liao, Wan Zhen Yao, Fu Rong Deng, Ya Hong Chen
-
- PA4348 Breathing pattern disorder is prevalent in patients with subjective symptoms of inducible laryngeal obstruction**
Julia Selby (London, United Kingdom), Bethany Tidmarsh, Emma Bailey, James Hull

- PA4349 Alterations in measures of systemic inflammation among adults born preterm**
Petra Um-Bergström (Sollentuna, Sweden), Jing Gao, Melvin Pourbazargan, Eva Berggren-Broström, Heta Merikallio, Riitta Kaarteenaho, Stacey Reinke, Craig Wheelock, Erik Melén, Anders Lindén, Asa Wheelock, Magnus Sköld
- PA4350 High frequency chest wall oscillation system compared with manual chest wall physiotherapy for managing airway clearance in patients with complex neurological disorders: A UK-based cost-effectiveness analysis**
Mehdi Javanbakht (Newcastle upon Tyne, United Kingdom), Atefeh Mashayekhi Mashayekhi, Mohsen Mohsen Rezai Hemami, Michael Branagan-Harris
- PA4352 Implementing of new model stoves for cooking and heating in Kyrgyzstan**
Berik Emilov (Bishkek, Kyrgyzstan), Maamed Mademilov, Ryan Chartier, Evelyn A. Brakema, Corina De Jong, Frederik Van Gemert, Niels H. Chavannes, Talant Sooronbaev
- PA4353 Idiopathic Subglottic tracheal stenosis due to Gastroesophageal Reflux: Still a challenge.**
Kalliopi Athanassiadi (Athens, Greece), Konstantinos Kotsifas, Evangelos Balis, Ioanna Sigala
- PA4354 Do causes influence clinical, functional and quality of life aspects on patients with bronchiectasis not associated with cystic fibrosis?**
Adria Cristina da Silva (Campinas, Brazil), Jéssica Medeiros, Mônica Pereira
- PA4355 Prevalence of mutations in the alpha 1 antitrypsin gene in patients with pulmonary emphysema**
Eduardo Jose Laviña Soriano (Guadalajara, Spain), Francisco De Borja Muñoz, María Castillo García, Diego Morena Vallés, Ana Ampuero López, José Luis Izquierdo Alonso, José Miguel Rodríguez Gonzalez Moro
- PA4356 Screening for AATD in a primary care COPD cohort in Canada**
Andrew Cave (Edmonton (AB), Canada), Natalia Stavila, Boglarka Soos, Stephanie Garies, Neil Drummond
- PA4357 Specific monoclonal antibody to detect the C-terminal peptide of alpha1-antitrypsin: clinical importance**
Srinu Tumpara (Hannover, Germany), Delgado Beatriz Martinez, Sabine Wrenger, Tobias Welte, Janciauskiene Sabina
- PA4358 Clinical and radiological features of bronchiectasis in alpha1-antitrypsin deficiency**
Bárbara Germana de Freitas Ramos (Matosinhos, Portugal), Tiago Oliveira, Inês Sanches, Miguel Guimarães, Ivone Pascoal
- PA4359 Bronchiectasis in alpha1-antitrypsin deficiency**
Ana Filipa Cruz e Costa (taveiro, Portugal), Inês Farinha
- PA4360 Role of bronchiectasis in alpha1-antitrypsin deficiency patients: a comparative analysis**
Tiago João Martins Oliveira (Ribeirão - Vila Nova de Famalicão, Portugal), Bárbara Ramos, Inês Sanches, Miguel Guimarães, Ivone Pascoal

TP-23

Session 453

12:50 - 14:40

Thematic poster: Modelling and monitoring of airway diseases

Disease(s) : [Airway diseases](#) [Respiratory critical care](#)

Method(s) : Physiology Cell and molecular biology General respiratory patient care Epidemiology Pulmonary function testing

Chairs : Mikael Adner (Stockholm, Sweden), Francesca Polverino (Tucson, United States of America), Johan Kolmert (Stockholm, Sweden), Esther Herrera Luis (La Laguna, Spain)

- PA4361 Obesity enhances allergen-induced airway inflammation in a murine model of asthma**
Rehab Bagadood (Leicester (Leicestershire), United Kingdom), Cordula Stover, Yassine Amrani
- PA4362 B cells are crucial in the regulation of airway hyperreactivity in an experimental model of asthma**
Anika Habener (Hannover, Germany), Christine Happle, Jelena Skuljec, Mandy Busse, Ruth Grychtol, Helena Obernolte, Armin Braun, Katherina Sewald, Almut Meyer-Bahlburg, Gesine Hansen
- PA4363 CCL6 produced by eosinophils drives allergic airway inflammation in mice**
Xufei Du, Fei Li, Zehua Shao, Chao Zhang, Wen Li, Zhihua Chen, Songmin Ying, Huahao Shen
- PA4364 Der p 2-derived peptide abrogates HDM-induced allergic asthma in mouse and humanized model**
Martin Klein (Nantes, France), Marie-Aude Cheminant, Antoine Magnan, Grégory Bouchaud
- PA4365 Antibody-based modulation of the intestinal microbiome mediates immunological tolerance**
Christina Hesse (Hannover, Germany), Christopher Oelkrug, Daniel Wagner, Monika Niehof, Armin Braun
- PA4366 Mas receptor antagonist inhibits the pro-resolutive effects of Angiotensin-(1-7) in an experimental model of asthma.**
Giselle Magalhães (Belo Horizonte, Brazil), Juliana Gregorio, Gabriela Nakashima, Arthur Ribeiro, Aline Oliveira, Luciola Barcelos, Robson Santos, Maria Jose Campagnole-Santos, Maria Gloria Rodrigues-Machado

- PA4367** **Effects of treatment with angiotensin-(1-7) on antigen sensitization of murine experimental model of asthma**
Arthur Ribeiro (Belo Horizonte, Brazil), Giselle Magalhães, Juliana Gregorio, Gabriela Nakashima, Aline Oliveira, Luciola Barcelos, Robson Santos, Maria Jose Campagnole-Santos, Maria Gloria Rodrigues Machado
- PA4368** **Effectiveness of photobiomodulation on the increase of Treg cells and IL-10 cytokine in an experimental model of chronic asthma**
Auriléia Aparecida De Brito Léia (Vargem Grande Paulista, Brazil), Tawany Gonçalvez Santos, Karine Zanella Herculano, Nicole Cristine Rigonato-Oliveira, Renata Kelly Palma, Cristiano Rodrigo Alvarenga-Nascimento, Stephanie Soares, Adriana Lino Dos Santos Franco, Rodolfo Paula Vieira, Flávio Aimbire, Ana Paula Ligeiro-Oliveira
- PA4369** **Bronchial vascular remodeling is attenuated by anti-IL17 in asthmatic responses exacerbated by LPS**
Edna Leick (Praia Grande, Brazil), Leandro Camargo, Felipp Costa Pinto De Andrade, Tabata M Santos, Silvia Fukuzaki, Carla Maximo Prado, Milton Arruda Martins, Renato Fraga Righetti, Iolanda De Fátima Lopes Calvo Tibério
- PA4370** **L-Carnitine mitigates impact of maternal smoking on lung health in mice offspring**
Baoming WANG (sydney, Australia), Chen Hui, Shengyu Zhou, Sonia Saad, Yik Lung Chan, Brian Gregory George Oliver
- PA4371** **LSC - 2019 - House dust mite (HDM)-induced “asthma” phenotypes differ in 4 mouse strains - link to the microbiome?**
Joni Lund (Borstel, Germany), Joni Lund, Sabine Bartel, Juryung Chung, Zane Orinska, Skadi Kull, Uta Jappe, John Baines, Susanne Krauss-Etschmann
- PA4372** **LSC - 2019 - The influence of cigarette smoke exposure on the lung and gut microbiome composition in mice**
Draginja Kovacevic (Borstel, Germany), Draginja Kovacevic, Sabine Bartel, Stefan Pfeiffer, Michael Schloter, Susanne Krauss-Etschmann
- PA4373** **Comparison of bronchial response to mite and cat allergen in asthmatic subjects in ALYATEC Environmental Exposure Chamber (EEC)**
Alina GHERASIM (GOLBEY, France), Nicole Beck, Audrey Jacob, Florian Schoettel, Thibaut Riff, Nathalie Domis, Frédéric De Blay
- PA4374** **T cell death associated gene 8 mediates MUC5AC expression in acidic conditions**
Hiroaki Tsurumaki (Maebashi, Japan), Haruka Saito-Aoki, Chihiro Mogi, Koichi Sato, Takashi Nakakura, Yasuhiko Koga, Masakiyo Yatomi, Makiko Sato, Toshitaka Maeno, Kunio Dobashi, Fumikazu Okajima, Takeshi Hisada
- PA4375** **Cross-reactive carbohydrate determinant (CCD) inhibition test can help identify false positive for plant allergen sIgE caused by CCD**
Wenting Luo (Guangzhou (Guangdong), China), Baoqing Sun
- PA4376** **Identification of serum biomarkers associated with asthma phenotypes through Combinatorial Hexapeptide Ligand Libraries (CPLLs) and iTRAQ-coupled LC-MS/MS.**
Juan-José Nieto-Fontarigo (Santiago De Compostela, Spain), Francisco-Javier González-Barcala, Luis-Juan Andrade-Bulos, David Facal-Mayo, Tamara Lourido-Cebreiro, Carlota Rodríguez-García, Luis Valdés-Cuadrado, Pilar Arias, Montserrat Nogueira, Francisco Javier Salgado
- PA4378** **Role of interferon-gamma as a marker of asthma severity and control**
Denis Naumov (Blagoveshchensk (Amur Oblast), Russian Federation), Dina Gassan, Olesya Kotova, Elizaveta Sheludko, Evgeniya Afanaseva, Juliy Perelman, Yana Shvetcova
- PA4379** **Late Breaking Abstract - Increased advanced glycation end-products (AGEs) accumulation in skin is a risk factor lung function deterioration in asthmatic patients- preliminary data**
Izabela Kupryś-Lipińska (Łódź, Poland), Joanna Molinska, Katarzyna Molinska, Piotr Kuna, Pawel Majak
- PA4380** **Late Breaking Abstract - ORAL FORMULATION OF ANGIOTENSIN-(1-7) PROMOTES RESOLUTION OF EOSINOPHILIC AND NEUTROPHILIC INFLAMMATION IN AN EXPERIMENTAL ASTHMA MODEL**
Ana Victoria Vasconcellos (Nova Lima, Brazil), Juliana Gregorio, Isabel Oliveira, Arthur Ribeiro, Gabriela Nakashima, Isis Baroni, Luciola Barcelos, Robson Santos, Maria José Campagnole-Dos Santos, Giselle Magalhães, Maria Da Glória Rodrigues-Machado

TP-24

Session 454

12:50 - 14:40

Thematic poster: COPD, asthma and rhinitis: from cellular mechanisms to patients' clinical responses

Disease(s) : **Airway diseases** **Sleep and breathing disorders**

Method(s) : Pulmonary function testing General respiratory patient care Epidemiology Cell and molecular biology Endoscopy and interventional pulmonology Physiology

Chairs : Anders Lindén (Stockholm, Sweden), Zuzana Diamant (Lund, Sweden), Songmin Ying (Hangzhou (Zhejiang), China)

- PA4381** **CYTOKINE RESPONSE AND CD14CD282 CELLS IN NON-SMOKERS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE**
Karolina Sidletskaia, Tatyana Vitkina
- PA4382** **The flow cytometric immunophenotyping of peripheral blood in Chronic obstructive pulmonary disease patients**
Sixiang Li (ChengDu, China), Shuang Zhao, Weimin Li
- PA4383** **Rapid decline in lung function in COPD is associated with decreased CD25brightFoxP3 regulatory T cells in BAL**
Jonas Eriksson Ström (Umeå, Sweden), Jamshid Pourazar, Robert Linder, Anders Blomberg, Anne Lindberg, Anders Bucht, Annelie F Behndig
- PA4384** **Circulatory neutrophils in COPD feature downregulated CD62L expression in comparison with asthma and healthy participants.**
Ravi Lokwani (Newcastle, Australia), Peter Wark, Katherine Baines, Daniel Barker, Michael Fricker, Jodie Simpson
- PA4386** **Age is a predictor of efficacy of monoclonal antibodies in allergic severe asthma**
Francesca Simioli (Napoli (NA), Italy), Maria D'Amato, Maria Martino, Mariasole Porzio, Anna Agnese Stanziola, Antonio Molino
- PA4387** **Serial blood eosinophils and clinical characteristics in COPD patients without a history of asthma or atopy**
Ana Florica Chis (Cluj-Napoca (Cluj), Romania), Marion Chasseriaud, Doina Adina Todea, Milena Adina Man, Ruxandra Mioara Rajnoveanu, Carmen Monica Pop
- PA4388** **Effect of nicotine on the system of cell-mediated immunity in COPD**
Irina Ponomareva (Ryazan, Russian Federation), Nailya Asfandiyarova, Dmitriy Kuzmin
- PA4389** **CD4cell profiling to support endotypical stratification of severe allergic asthma - an update**
Gudrun Ulrich-Merzenich (Bonn, Germany), Andreas Tüschen, Tibor Schaarschmidt, Anastasiia Shcherbakova, Izabella Tuleta, Uwe Juergens
- PA4390** **Analysis of airway mucin concentration in patients with pulmonary eosinophilia**
Kiyoshi Takeyama (Tokyo, Japan), Tomohiro Akaba, Atsushi Kurokawa, Ken Arimura, Mitsuko Kondo, Etsuko Tagaya
- PA4391** **Fevipirant inhibits eosinophil activation induced by multiple metabolites of prostaglandin D2**
Saskia Carstensen (Hannover, Germany), Meike Müller, Veit Erpenbeck, Shamsah Kazani, David Sandham
- PA4392** **Inhibition of ER stress suppresses IL-13 induced airway epithelial remodeling**
Prabuddha Pathinayake (NSW, Australia), Kristy Nichol, Lisa Wood, Katherine Baines, Alan Hsu, Philip Hansbro, Peter Wark
- PA4394** **Exploring the role of Cocksackie and Adenovirus Receptor (CAR) in allergic airway inflammation**
Elena Ortiz Zapater (London, United Kingdom), Luke Roberts, Richard Mckendry, Ismael Ranz-Jimenez, George Santis, Maddy Parsons
- PA4395** **C. pneumoniae serostatus influences cytokine production patterns in steroid resistant and sensitive asthmatics**
Dóra Paróczai (Deszk, Hungary), Tímea Mosolygó, Dávid Kókai, Ildikó Lantos, Dezső Virok, Zoltán Rózsavölgyi, Regina Pálföldi, Attila Somfay, Katalin Burián
- PA4396** **Mepolizumab does not alter blood basophil count in severe asthma**
Adam Wright (Leicester (Leicestershire), United Kingdom), Sarah Diver, Jamie Mccarthy, Andrew Marvin, Marcia Soares, Tracy Thornton, Michelle Bourne, Michelle Craner, Helen Evans, Sarah Edwards, Sarah Glover, Liesl Carr, Sarah Parker, Salman Siddiqui, Dave Cousins, Chris Brightling
- PA4397** **Functional activities of blood phagocytes in polypous rhinosinusitis**
Svetlana Smirnova (Krasnoyarsk, Russian Federation), Oksana Kolenchukova, Anna Lazareva
- PA4398** **Factors associated with remission of atopic asthma in adults**
Galina Ignatova (Chelyabinsk, Russian Federation), Olga Abramovskikh, Yuliya Zhorina
- PA4399** **Late Breaking Abstract - The effects of allergen (DP/DF) on mucociliary transport of allergic rhinitis patients**
SEUNG MIN IN (DAEJEON, Republic of Korea)
- PA4400** **Association between blood eosinophil count and control of allergic rhinitis: does it exist?**
Plamena Novakova (Plovdiv, Bulgaria), Maria Staevska, Siviya Novakova, Nonka Mateva

TP-25

Session 455

12:50 - 14:40

Thematic poster: Epidemiology, genetics, air pollution and sleep

Disease(s) : Sleep and breathing disorders Airway diseases Respiratory critical care Thoracic oncology

Method(s) : Epidemiology General respiratory patient care Public health Pulmonary function testing Respiratory intensive care Imaging

Chairs : Natalie Terzikhan (Rotterdam, Netherlands), Rachel Nadif (Villejuif, France), Christina Due Svendsen (Bergen, Norway), Chair to be confirmed

- PA4401 Association of DNA repair gene XRCC7 G6721T polymorphisms with non-small cell Lung cancer**
Chuen-Ming Shih (Taichung, Taiwan), Yao-Ling Lee
-
- PA4402 Examination of the causal association between lung function and Alzheimer's Disease: a Mendelian Randomization study**
Daniel Higbee (Bristol, United Kingdom), Raquell Granell, George Davey Smith, John Henderson, James Dodd
-
- PA4403 Risk of asthma in patients with migraine in an adult twin population**
Howraman Meteran (København, Denmark), Simon Francis Thomsen, Jacob Hjelmberg, David Gaist, Torben Sigsgaard, Vibeke Backer
-
- PA4404 Late Breaking Abstract - Longitudinal associations of testosterone status with lung function decline in UK Biobank**
Alexandra Lenoir (Lausanne, Switzerland), Elaine Fuertes, Francisco Gomez Real, Benedicte Leynaert, Deborah Jarvis
-
- PA4405 A nationwide study of particulate matter and daily hospitalizations for respiratory diseases in Italy.**
Matteo Renzi (Rome, Italy), Matteo Scortichini, Francesca De' Donato, Claudio Gariazzo, Francesco Forastiere, Salvatore Fasola, Sara Maio, Paola Michelozzi, Giovanni Viegi, Massimo Stafoggia, - On Behalf Of Beep Collaborative Group
-
- PA4406 Health effects of self-reported risk factors and estimated PM10 levels: a cross-sectional study.**
Salvatore Fasola (Palermo (PA), Italy), Sara Maio, Sandra Baldacci, Claudio Gariazzo, Francesco Forastiere, Stefania La Grutta, Massimo Stafoggia, Giovanni Viegi, . Beep Collaborative Group
-
- PA4407 PM2.5 and emergency room visits for mechanical ventilation in acute exacerbation of chronic obstructive pulmonary disease**
Man-Ju Ting (New Taipei City, Taiwan), Ya-Ting Chen, Ai-Jia Tien, Mei-Ying Chang, Yeong-Long Hsu, Ping-Huai Wang
-
- PA4408 The short-term effects of air temperature on respiratory mortality and hospital admissions using high resolution data in Italy. Results from BEEP project.**
Francesca Katherine de' Donato (Rome, Italy), Matteo Scortichini, Paola Michelozzi, Claudio Gariazzo, Lucia Bisceglia, Achille Cernigliaro, Francesco Forastiere, Enrica Migliore, Marta Ottone, Giovanni Viegi, Massimo Stafoggia, . Beep Collaborative Group
-
- PA4409 Environmental factors in asthma and allergic diseases among the Indian adolescents: PERFORMANCE study results**
Smriti Debnath (Khejurbagan, India), Prasun Haldar, Santi Gopal Maity, Ritabrata Mitra, Moumita Biswas, Soumya Bhattacharjee, Sujoy Saha, Aratrika Das, Soumya Sengupta, Isabella Annesi-Maesano, Judith Garcia-Aymerich, Atanu Ghosh, Arghya Bandyopadhyay, Dwipritha Chattopadhyay, Saibal Moitra, Subhabrata Moitra
-
- PA4410 Annual Change of the Prevalence of asthma is related to Air-pollution in Fukuoka Japan**
Hiroshi Odajima (Fukuoka, Japan), Takahito Ninomiya, Yoko Murakami
-
- PA4411 Testing for Alfa1-antitrypsin deficiency: is phenotyping enough?**
Christine Seebacher (Bolzano (BZ), Italy), Ilaria Ferrarotti, Stefania Ottaviani, Lucio Bonazza, Angelo Corsico
-
- PA4412 Cardiometabolic impact and symptom profile of obstructive sleep apnea: does gender matter?**
Sophia E. Schiza (Heraklion, Greece), Izolde Bouloukaki, Ozen K. Basoglu, Tarja Saaresranta, Renata Riha, Ludger Grote, Jan Hedner, Oreste Marrone, Athanasia Pataka, Pascalis Steiropoulos, Carolina Lombardi, Georgia Trakada, Maria R Bonsignore
-
- PA4413 Inappropriate sleep time trajectories from adolescence to early adulthood: an analysis from a Brazilian birth cohort**
Fernando C. Wehrmeister (Pelotas (RS), Brazil), Adriana K. F. Machado, Andrea Wendt, Priscila Weber, Paula D. De Oliveira, Helen Gonçalves, Ana M. B. Menezes
-
- PA4414 Prevalence of obstructive sleep apnoea syndrome in Malta**
Jonathan Gauci (Swieqi, Malta), Matthew Zammit, Luca Andrea Borg, Ayrton Borg Axisa, Peter Cassar, Matthew Farrugia, Rachel Gambin, Michael Micallef, Nicole Zammit, Josef Micallef
-
- PA4415 First Indian Sleep Registry: Initiative of Indian Chest Society**
Pratibha Dogra (Gurgaon (Haryana), India), Pratibha Dogra, Himanshu Garg, Prerana Garg, Nikita Jajodia, Nishtha Singh, Ashish Kumar, Debdeep Sen, Samir Sahu, Rajesh Swarnakar, Raja Dhar

- PA4416** **Prevalence of obstructive sleep apnoea in patients with thoracic aortic aneurysm: A prospective, parallel cohort study.**
Patrick Baumgartner (Bilten, Switzerland), Thomas Gaisl, Protazy Rejmer, Martin Osswald, Maurice Roeder, Sira Thiel, Simon F. Stämpfli, Christian F Clarenbach, Felix C. Tanner, Malcolm Kohler
- PA4417** **Characterization of adults with asthma per GINA treatment steps**
Helena Backman (Lulea, Sweden), Caroline Stridsman, Linnea Hedman, Anne Lindberg, Martin Andersson, Bo Lundbäck, Eva Rönmark
- PA4418** **Gender features of respiratory symptoms in the young population.**
Natalia Kovalkova (Novosibirsk (Novosibirsk), Russian Federation), Yulia Ragino, Diana Denisova, Mikhail Voevoda
- PA4419** **Associations between growth and lung function in a birth cohort in Brazil**
Ana Maria Menezes (Pelotas (RS), Brazil), Paula Duarte de Oliveira, Julie Stang, Helen Gonçalves, Fernando C. Wehrmeister
- PA4420** **Late Breaking Abstract - Effects of ultrafine particles on respiratory health in adults**
David Donaire-Gonzalez (Palma de Mallorca, Spain), Anke Huss, Gerard Hoek, Roel Vermeulen

TP-26

Session 456

12:50 - 14:40

Thematic poster: More and more COPD

Disease(s) : **Airway diseases**

Method(s) : Epidemiology Public health General respiratory patient care Pulmonary function testing

Chairs : Núria Toledo Pons (Palma De Mallorca, Spain), Om Prakash Kurmi (Birmingham (West Midlands), United Kingdom), Yunus Çolak (Herlev, Denmark)

- PA4421** **Preserved Ratio Impaired Spirometry (PRISm) and mortality: the Rotterdam Study**
Sara Wijnant (Gent, Belgium), Emmely De Roos, Maryam Kavousi, Bruno Stricker, Natalie Terzikhan, Lies Lahousse, Guy Brusselle
- PA4422** **Residential greenness and lung function in a prospective cohort of European adults: The ECRHS study**
Iana Markevych (Munich, Germany), Elaine Fuertes, Alessandro Marcon, Payam Dadvand, Dennis Nowak, Judith Garcia Aymerich, Danielle Vienneau, Kees De Hoogh, Deborah Jarvis, Michael J. Abramson, Simone Accordini, Andre Amaral, Hayat Bentouhami, Randi Jacobsen Bertelsen, Anne Boudier, Roberto Bono, Gayan Bowatte, Anne-Elie Carsin, Shyamali Dharmage, Bertil Forsberg, Thorarinn Gislason, Marco Gnesi, Mathias Holm, Benedicte Jacquemin, Christer Janson, Rain Jögi, Ane Johannessen, Dirk Keidel, Benedicte Leynaert, José Antonio Maldonado Perez, Piepaolo Marchetti, Enrica Migliore, Jesús Martínez Moratalla, David Olsson, Hans Orru, Isabelle Pin, James Potts, Nicole Probst-Hensch, Andrea Ranzi, José Luis Sánchez-Ramos, Valerie Siroux, Christian Schindler, David Soussan, Jordi Sunyer, Cecilie Svanes, Isabel Urrutia Landa, Simona Villani, Joost Weyler, Joachim Heinrich
- PA4423** **Changes in smoking and lung function between 2001 and 2016. The Tromsø Study.**
Hans Jørgen Melbye (Tromsø, Norway), Arnulf Langhammer
- PA4424** **Differences between men and women with COPD: The French Palomb Cohort**
El-hassane Ouaalaya (Merignac, France), Laurent Falque, Jean Michel Dupis, Marielle Sabatini, Alain Bernady, Laurent Nguyen, Annaig Ozier, Cécilia Nocent-Ejnaini, Frédéric Le Guillou, Mathieu Molimard, Chantal Raherison-Semjen
- PA4425** **Beta-blocker use and risk of acute exacerbations of COPD following first-time myocardial infarction. A Danish nationwide cohort study.**
Daniel Rasmussen (Glumsø, Denmark), Uffe Bodtger, Morten Lamberts, Peter Lange, Magnus Jensen
- PA4427** **Impact of chronic cough in individuals with COPD: a population-based cohort study**
Morten Dahl (Køge, Denmark), Eskild Landt, Yunus Çolak, Peter Lange, Lars Laursen, Børge Nordestgaard
- PA4428** **The association of anxiety and depression with mortality, symptom burden and health care utilization in a COPD cohort. The HUNT Study, Norway.**
Sigrid Anna Vikjord (Levanger, Norway), Xiao-Mei Mai, Ben Brumpton, Arnulf Langhammer
- PA4429** **Hospital admissions in a 'real life' cohort of COPD patients in Spain.**
Miguel Santibanez (Santander (Cantabria), Spain), Roberto Garrastazu, Juan Carlos López-Caro, Sandra Arenal, Jose Helguera, Cristina Bonnardeaux, Carlos Leon, Laura Ruiz-Azcona, Juan Luis Garcia-Rivero
- PA4430** **Elevated hsCRP is associated with respiratory symptoms in COPD**
Eva Lagrange (Sundsvall, Sweden), Ulf Nilsson, Linnea Hedman, Caroline Stridsman, Helena Backman, Anne Lindberg, Anders Blomberg
- PA4431** **Developing a claims'-based algorithm to identify US patients with COPD**
Swetha Palli (Ridgefield, United States of America), Siting Zhou, Asif Shaikh, Vincent Willey

- PA4432** **Characterization of the “frequent exacerbator phenotype” over a period of 3 years: Palomb cohort**
El-hassane Ouaalaya (Merignac, France), Laurent Falque, Jean Michel Dupis, Marielle Sabatini, Alain Bernady, Laurent Nguyen, Annaig Ozier, Cécilia Nocent-Ejnaini, Frédéric Le Guillou, Mathieu Molimard, Chantal Raheison-Semjen
- PA4433** **Time-updated resting heart rate better predictor for all-cause mortality in chronic obstructive pulmonary disease than baseline resting heart rate**
Albert Omlor (Homburg, Germany), Franziska Trudzinski, Mohamad Alqudrah, Frederik Seiler, Frank Biertz, Claus Vogelmeier, Tobias Welte, Henrik Watz, Benjamin Waschki, Titus Brinker, Sebastian Fähndrich, Rudolf Jörres, Michael Böhm, Robert Bals
- PA4434** **Cognitive Function in COPD and controls**
Ayushman Gupta (Boston (Lincolnshire), United Kingdom), Tricia McKeever, Norma Thompson, Charlotte Bolton
- PA4435** **Effects of Regular Use of β 2-Adrenergic Receptor Agonists on the Risk of Parkinson’s Disease in Patients with COPD**
Mahyar Etminan (Vancouver, Canada), Ali Samii, Mohsen Sadatsafavi, Hamid Tavakoli, Wenjia Chen
- PA4436** **Comparing the Comorbidity burden in Chronic Obstructive Pulmonary Disease and Heart Failure : evidence from a large population cohort**
Jonás Carmona-Pírez (Zaragoza, Spain), Antonio Gimeno-Miguel, Beatriz Poblador-Plou, Jesús Díez Manglano, José María Marin Trigo, Bartolomé Celli, Alexandra Prados-Torres, Miguel Divo
- PA4437** **Late Breaking Abstract - Dietary patterns and lung function in a case-control study of asthma in Italian adults.**
Pietro Pirina (Sassari, Italy), Liliya Chamitava, Maria Elisabetta Zanolin, Vanessa Garcia-Larsen, Marcello Ferrari, Isa Cerveri, Giuseppe Verlato, Lucia Cazzoletti
- PA4438** **Maternal blood pressure throughout pregnancy, gestational hypertension, and preeclampsia and offspring asthma**
Guo-Qiang Zhang (Gothenburg, Sweden), Mika Gissler, Graham Devereux, Seif Shaheen, Harry Mcardle, Aziz Sheikh, Bright I Nwaru
- PA4439** **Beta-blocker use is associated with lower mortality following myocardial infarction in patients with and without COPD. A Danish nationwide cohort study.**
Daniel Rasmussen (Glumsø, Denmark), Uffe Bodtger, Morten Lamberts, Peter Lange, Magnus Jensen
- PA4440** **Hypoxia as a risk factor for arrhythmias in patients with chronic obstructive pulmonary disease and heart failure**
Luis Hernández-Urquieta (Mexico City, Mexico), Arturo Tejada Arturo, Dulce González Islas, Aimeé Flores Vargas, Alan Ibarra Fernández, Angelia Jiménez Valentin, Roberto Dávila Ramos, Andrea Samantha Hernández López, Yuridia Pilotzi Montiel, Rocio Sánchez Santillán

TP-27

Session 457

12:50 - 14:40

Thematic poster: Indoor and outdoor air quality considerations

Disease(s) : **Airway diseases** **Thoracic oncology**

Method(s) : Epidemiology Pulmonary function testing Public health Cell and molecular biology General respiratory patient care

Chairs : Vicky Moore (Birmingham (West Midlands), United Kingdom), Subhabrata Moitra (Barcelona, Spain), Ruth Wiggins (Manchester (Greater Manchester), United Kingdom), Deborah Jarvis (London, United Kingdom)

- PA4441** **Real time mass spectrometric analysis of biomarkers in exhaled breath after exposure to an irritant**
Veronica Ideböhn (Lund, Sweden), Thomas Holst, Anders Gudmundsson, Madeleine Petersson-Sjögren, Jörn Nielsen, Eva Assarsson, Patrik Nilsson, Annette Kraus, Jonas Jakobsson, Karin Lovén, Christian Lindh, Jakob Löndahl
- PA4442** **Detection of asthma and rhinitis in furniture workers exposed to chemicals in the area of Thessaloniki Greece**
Konstantinos Porpodis (Thessaloniki, Greece), Katerina Paraskevaidou, Theodoros Kontakiotis, Ioannis Kioumis, Dionisios Spyrtos, Despina Papakosta
- PA4443** **Interaction between air pollution and pollen seasons on allergic rhinitis control**
Annabelle Bédard (Barcelona, Spain), Jean Bousquet, Josep Maria Antó, Judith Garcia-Aymerich, Sylvie Arnavielhe, Daniel Laune, Mikhail Sofiev, Xavier Basagaña
- PA4444** **Non-smoker COPD: pilot study from central India**
Sameer Arbat (Nagpur (Maharashtra), India), Ashok Arbat, Swapnil Bakamwar, Parimal Deshpande, Sneha Tirpude, Bharat Agrawal
- PA4445** **Fine particulate matter (PM2.5) influence on respiratory tract function and systemic inflammation parameters in healthy adults**
Artur Badyda (Warszawa, Poland), Andrzej Chciałowski, Piotr Dąbrowiecki, Adam Stańczył, Karina Jahnz-Rózyk, Piotr O. Czechowski

- PA4446** **Years of potential life lost due to malignant pleural mesothelioma in Turkey**
Selma Metintas (Eskisehir, Turkey), Guntulu Ak, Muzaffer Metintas
-
- PA4447** **Predictive factors of depression in patients with cardiorespiratory failure**
(,), Guadalupe Lizzbett Luna Rodriguez , Lilian Victoria Romero-Pachicano, Casandra Pineda-Sánchez, Viridiana Peláez-Hernández, Arturo Orea-Tejeda, Angelia Jiménez-Valentín , Laura Areli Martínez-Bautista , Carlos Roberto Zepeda-Domínguez, Karla Leticia Rosales-Castillo, Alan Aldair Ibarra-Fernández , Aimmé Flores-Vargas, Karla Balderas-Muñoz
-
- PA4448** **Silico-tuberculosis Association: about 40 cases**
Radhia Heddane (Batna, Algeria), Rachida Djebaili, Tarek Djenfi, Abdelmadjid Djebbar
-
- PA4449** **Association between prenatal personal exposure to NO2 and newborns lung function in the SEPAGES couple-child cohort**
Valerie Siroux (La Tronche, France), Johanna Lepeule, Anne Boudier, Joane Quentin, Sarah Lyon-Caen, Karine Supernant, Rémy Slama, Isabelle Pin
-
- PA4450** **Diagnostic yield of combined epidemiological and radiological data in Malignant Pleural Mesothelioma: A Pilot Study**
Zafar Iqbal (Peshawar (Khyber Pakhtunkhwa), Pakistan), Mohammad Yousaf, Jamshed Alam, Zia Ullah
-
- PA4451** **Loss to five-year follow-up in the Telemark study.**
Nikola Zivadinovic (Skien, Norway), Regine Abrahamsen, Martin Veel Svendsen, Anne Kristin M. Fell, Johny Kongerud, Paul Henneberger
-
- PA4452** **Pulmonary response in different groups: comparison of CC16 protein between sugarcane cutters and runners in urban area**
Marceli Leite (Santos, Brazil), Aretusa Cardoso, Dirce Zanetta, Dionei Ramos, Lia Marçal, Leila Antonangelo, Emmanuel Burdmann, Ubiratan Santos
-
- PA4453** **Preconception air pollution exposure and early onset asthma and hay fever in the offspring**
Ingrid Nordeide Kuiper (Bergen, Norway), Cecilie Svanes, Iana Markevych, Joachim Heinrich, Thomas Halvorsen, Randi J. Bertelsen, Mathias Holm, Lennart Bråbäck, Andrei Malinowski, Christer Janson, Bertil Forsberg, Kjell Torén, Simone Accordini, Alessandro Marcon, Debbie Jarvis, Thorarinn Gislason, Bryndis Benediktsdottir, Vivi Schlünssen, Torben Sigsgaard, Ane Johannessen
-
- PA4454** **Association of respiratory symptoms with use of high efficiency particulate air (HEPA) filters: a randomized controlled trial**
Denitza Blagev (Salt Lake City, United States of America), Daniel Bride, Daniel Mendoza, Benjamin Horne
-
- PA4455** **Chronic cough is related to cumulative PM2.5 exposure from a coal mine fire**
Michael J. Abramson (Melbourne (VIC), Australia), Jillian Blackman, Matthew Carroll, Caroline X. Gao, Anthony Del Monaco, David Brown, Christina Dimitriadis, Amanda Johnson, Yuming Guo, Malcolm R. Sim, Judi Walker
-
- PA4456** **Indoor Air Freshener Extract Increases Pneumococcal Adhesion to Airway Cells**
Lisa Miyashita (London, United Kingdom), Gary Foley, Grigg Jonathan
-
- PA4457** **LSC - 2019 - Effect of submaximal exercise and diesel exposure on lung inflammation and lung function in mice**
Tatjana Decaesteker (Leuven, Belgium), Tatjana Decaesteker, Kristel Trekels, Dominique Bullens, Lieven Dupont, Jeroen Vanoirbeek

TP-28

Session 458

12:50 - 14:40

Thematic poster: From the epidemiology of tobacco/electronic nicotine delivery system use to control and prevention of tobacco use

Disease(s) : **Airway diseases**

Method(s) : Public health General respiratory patient care Epidemiology

Chairs : Mateusz Jankowski (Katowice, Poland), Athanasia Pataka (Thessaloniki, Greece), Linnea Hedman (Luleå, Sweden), Christina-Georgia Gratzou (Athens, Greece)

- PA4458** **Tobacco use and knowledge of its health consequences among healthcare workers in Enugu, Nigeria**
Nnamdi Nwosu (Enugu, Nigeria), Kingsley Ukwaja, Paul Nlewedim, Victor Uduma, Cajetan Onyedum, Chinwe Chukwuka
-
- PA4459** **Evaluation of the opinions about the benefits and negative effects of smoking in university students**
Ezgi Türkmen (İstanbul, Turkey), Rüstem Mustafaoğlu, İpek Yeldan, Saliha Gürdal Karakelle

- PA4460 Tobacco use among working adolescents and high school students in Turkey, 2006 and 2015: the effect of the national tobacco control policy**
Erkan Çakir (Istanbul, Turkey), Hakan Yazan, Burcin Nazli Karacabey, Ahmet Hakan Gedik, Ali Ozdemir, Fazilet Karakoc, Refika Ersu, Bulent Karadag, Elif Dagli
- PA4461 Smoking prevalence of high cultural level students**
Cristina Munoz-Pindado (Vic (Barcelona), Spain), Cristina Munoz-Pindado, Máximo Gómez-Fernández, David Lora-Pablos, Jesús Muñoz-Méndez
- PA4462 Impact of the migration crisis on the smoking habits of migrants**
Monika Tushevska Mitkovska (Kumanovo, North Macedonia)
- PA4463 Questioning the beliefs about causes of initiation, continuation and cessation for smoking behaviors in university students**
Ezgi Türkmen (İstanbul, Turkey), Saliha Gürdal Karakelle, Rüstem Mustafaoglu, Ipek Yeldan
- PA4464 NICOTINE USE IN ITS DIFFERENT FORMS: TOBACCO, ELECTRONIC CIGARETTE AND PIPES OF WATER IN YOUNG PEOPLE OF DIFFERENT SOCIOCULTURAL LEVEL IN CORDOBA PROVINCE**
Natalia Pascual Martinez (Cordoba, Spain), Cristina Villalba Moral, Silvia Martín Bote, Ana Torres Jurado, Rafael Angel Castro Jiménez
- PA4465 Nicotine dependence levels among e-cigarettes users**
Mateusz Jankowski (Katowice, Poland), Grzegorz Brożek, Marek Krzystanek, Joshua Lawson, Jan Zejda
- PA4466 Water-pipe usage among Jordanian high school students: prevalence and basic features**
Abdel-Hameed Al-Mistarehi (Irbid, Jordan), Ahmed Yassin, Omer Dulaimy, Rami Banyata, Anas Masalmeh, Tareq Arar, Omar Al Omari, Sufian Al-Tawill, Abdallah Qasaymeh, Othman Beni Yonis, Khalid El-Salem, Basheer Khassawneh
- PA4469 Parental knowledge, attitude and practice on children's environmental tobacco smoke exposure in Hong Kong**
Ching Ching Kate Chan (Hong Kong, Hong Kong), Siyu Dai
- PA4470 Effect of primary prevention of tobacco addiction in children- original project**
Stanislava Potrepčiková (Brno, Czech Republic), Jana Skříčková, Monika Klusáková, Jiří Jarkovský, Michal Kolorz
- PA4471 Smoking during pregnancy: a survey of women "knowledge" and behavior**
Nicoleta Stefania Motoc (Oradea (Bihor), Romania), Roxana Vancea, Daisy Am Vaida Voevod, Ruxandra Rajnoveanu, Ana Chis, Milena Adina Man
- PA4472 To Quantify Share of illicit Cigarettes Use in Islambad ICT**
Qamar Iqbal (Gujranwala, Pakistan)
- PA4473 Can tobacco control policy measures motivate smokers to quit? Results from Russian tobacco control policy evaluation survey EPOCHA-RF**
Marine Gambaryan (Moscow, Russian Federation), Anna Kalinina, Marina Popovich, Michail Starovoytov, Oxana Drapkina
- PA4474 Policy implementation for the ban of characterising flavours in tobacco products in the European Union: The EUREST-FLAVOURS Project**
Constantine Vardavas (Heraklion, Greece), Christina Kyriakos, Manolis Tzatzarakis, Alexander Vardavas, Charis Girvalaki, Katerina Nikitara, Chryssi Igoumenaki, Aristidis Tsatsakis
- PA4475 Evaluation the importance of the warnings on the cigarette packs in the non-smoker and smoker university students**
Saliha Gürdal Karakelle (Istanbul, Turkey), Ezgi Türkmen, Rüstem Mustafaoglu, Ipek Yeldan
- PA4476 The attitudes of university students towards different campus tobacco policies**
Elif Develi (istanbul, Turkey), Jale Catak, Batuhan Kayahan, Ayca Yagcioglu, Kristen Belcastro Ergen, Feryal Subaşı

TP-29

Session 459

12:50 - 14:40

Thematic poster: From tobacco-related comorbidities to tobacco cessation**Disease(s) :** Airway diseases Sleep and breathing disorders Respiratory critical care**Method(s) :** Epidemiology Physiology Public health Pulmonary function testing General respiratory patient care Respiratory intensive care Pulmonary rehabilitation**Chairs :** Elif Dagli (Istanbul, Turkey), Eva B. Cabrera Cesar (Granada, Spain), Isabel Nerin De La Puerta (Zaragoza, Spain), Cláudia Gomes Pavão De Matos (Lisboa, Portugal)

- PA4478 INFLUENCE OF SMOKING OF HOOKAH ON SOME INDICATORS OF RESPIRATORY SYSTEM IN GIRLS OF CHILDBEARING AGE**
(), Tashpulatova Fatima, Sofia Sultanova, Natalia Homova, Fatahov Rafkat

- PA4479 Clinical impact of active smoking in patients treated with home non invasive ventilation**
Daniel López-Padilla (Madrid, Spain), Elena Ojeda Castillejo, Soledad López Martín, Elena R. Jimeno, José Rafael Terán Tinedo, Beatriz Recio Moreno, Christian Castro Riera, Virginia Gallo González, Zichen Ji, Alicia Cerezo Lajas, Luis Puente Maestu
- PA4480 Tobacco smoking as a factor of comorbid associations among residents of the Arctic zone of Western Siberia**
Irina Protasova (Nadym (Yamal-Nenets), Russian Federation), Andrei Popov, Andrei Lobanov, Sergei Andronov, Ruslan Kochkin, Liliya Lobanova
- PA4481 Influence of tobacco smoking on the state of endothelial function in residents of the Arctic zone of Western Siberia**
Irina Protasova (Nadym (Yamal-Nenets), Russian Federation), Andrei Popov, Andrei Lobanov, Sergei Andronov, Ruslan Kochkin
- PA4482 Effect of smoking history on exercise ventilatory efficiency in heart failure patients**
Joshua Smith (Rochester, United States of America), Jessica Berg, Thomas Olson
- PA4483 Applicability of vascular ultrasound in smoking patients.**
Layla Diab Caceres (Madrid, Spain), Ana Sánchez Azofra, Pedro Landete Rodriguez, Carmen Acosta Gutierrez, Beatriz Aldave Orzaiz, Enrique Zamora García, Águeda González Rodríguez, Adrián Martínez Vergara, María Churruca Arrospe, Joan B Soriano, Julio Ancochea
- PA4484 Patients' perspectives on the use of pulse oximetry at home**
Esha Joshi (Sydney, Australia), Yet Khor, Jennifer Mann, Allison Collins, Maureen Goodwin, Naomi Atkins, Christine Mcdonald
- PA4485 Comparison of relationship between eosinophil counts and the disease severity in ACO patients**
Akinori Ebihara (Tokyo, Japan), Asuka Nagai, Tokuzen Iwamoto, Ichiro Kuwahira
- PA4486 Description of patients' features with high levels of Carboxyhemoglobin in blood test**
Carmen Maria Acosta Gutierrez (Madrid, Spain), Marta Hernandez Olivo, Layla Diab Caceres, Beatriz Aldave Orzaiz, Enrique Zamora Garcia, Carolina Cisneros Serrano, Maria Teresa Pastor Sanz, Julio Ancochea Bermudez, Pedro Landete Rodriguez
- PA4487 Dynamics of the incidence of chronic bronchitis after the adoption of the Federal anti-tobacco law in the Russian Federation**
Marina Peredelskaya (Moscow, Russian Federation), Igor Demidov, Oleg Salagay, Galina Sakharova, Nicolay Antonov, Natalya Nanesheva, Larisa Rusakova
- PA4488 Smoking habit in COPD patients**
Marta Erro Iribarren (Madrid, Spain), Tamara Alonso Pérez, Rosa Mar Gómez Punter, Ana Roca Noval, Joan B Soriano, Julio Ancochea Bermúdez, Emma Vázquez Espinosa
- PA4489 Impact of concomitant cardiovascular diseases on functional status and quality of life of patients with Chronic Obstructive Pulmonary Diseases**
Rim Kammoun (Sfax, Tunisia), Khouloud Kchaou, Rim Kammoun, Hana Trabelsi, Leila Triki, Ines Kammoun, Hela Zouari, Kaouther Masmoudi
- PA4490 Which cardiovascular diseases are most influenced by smoking – a cohort retrospective study**
Catarina Carvalho Cordes Amaral Barata (Lisbon, Portugal), Rita Rosa, Ana Cláudia Vieira, Joana Ferra, Marta Fradinho, Cristina Matos, Fernando Nogueira
- PA4491 What perception and knowledge about smoking have patients included in a Cardiac Rehabilitation Program?**
Ana Cerezo Hernández (Valladolid, Spain), Laura Juez García, María Victoria García Gallardo, Carolina Andrea Urbina Carrera, Francisco Javier Pagán Buzo, Ana Gómez García, Milko Daniel Terranova Ríos, Ana María Andrés Blanco, Carmen Ainhoa Arroyo Domingo
- PA4493 Special features of pulmonary tuberculosis among smokers: A case control study**
Ines Laouini (Nabeul, Tunisia), Islam Mejri, Asma Omrane, Samira Mhamdi, Selsabil Daboussi, Chiraz Aichaouia, Mohsen Khadhraoui, Zied Moatemri, Rezaieg Cheikh
- PA4494 Do the smokers want to quit? Results from Russian tobacco control policy evaluation survey EPOCHA-RF**
Marine Gambaryan (Moscow, Russian Federation), Anna Kalinina, Marina Popovich, Michail Starovoytov, Oxana Drapkina
- PA4495 The value of behavioral regulation in patients with bronchial asthma in case of smoking cessation**
Olga Sukhovskaya (St. Petersburg, Russian Federation), Olga Titova, Valery Kulikov, Elizaveta Volchkova
- PA4496 Effectiveness of the training material on COPD for community health workers in rural western India: a quasi-experiment design**
Dhiraj Agarwal (Pune (Maharashtra), India), Bhushan Girase, Monica Barne, Dhananjay Pathak, Deesha Ghorpade, Prakash Doke, Sundeep Salvi

PA4497 Low dose vs standard dose varenicline for smoking cessation
Aikaterini Bakiri (Heraklion, Crete, Greece), Michail Fanaridis, Kostas Karagiannis, Maria Bolaki, Stella Anyfantaki, Eirini Vasarmidi, Nikolaos Tzanakis, Ioanna Mitrouska

TP-30 Session 460 12:50 - 14:40

Thematic poster: Asthma biomarkers, diagnostics and risk factors

Disease(s) : **Airway diseases**

Method(s) : Pulmonary function testing Epidemiology Physiology Public health General respiratory patient care Cell and molecular biology

Chairs : Christiane Lex (Göttingen, Germany), Anja Jochmann (Binningen, Switzerland), Louise Fleming (London, United Kingdom), Emmanouil Paraskakis (Alexandroupolis, Greece)

PA4498 Connection of air pollution and acute asthma attack in children in Pancevo
Stanisa Baumann (Beograd, Republic of Serbia), Svetlana Pakaski, Marija Deanovic

PA4499 Home dampness and airways inflammation in preschool children
Paula Cristina Carvalho Vidal Reis Leiria Pinto (Lisboa, Portugal), Iolanda Caires, Pedro Martins, Nuno Neuparth

PA4500 Allergic sensitisation and relationship with asthma and other allergic diseases in children in the province of Bengo, Angola
Margarete Lopes Teixeira Arrais (Luanda, Angola), Ofélia Lulua, Francisca Quifica, Jorge Gama, Luis Taborda-Barata, Miguel Brito

PA4501 Dampness at home and asthma in schoolchildren
Vesna Micevska (Skopje, North Macedonia), Emilija Vlaski, Valentina Cvejoska Colakovska, Lidija Seckova, Mica Kimovska, Angelce Sazdovski

PA4502 Quality of life evaluation of children exposed to second-hand smoke
Ana Pégolo (Mogi Das Cruzes (SP), Brazil), Mariana Fogarolli, Mariane Bigotto, Henrique Cardoso, Mariana Reis, Silvana Scolfaro, Rodolfo Vieira, Ricardo Marques

PA4503 BRONCHIOLITIS IN INFANCY IS AN IMPORTANT RISK FACTOR FOR ASTHMA BUT NOT FOR ALLERGIC SENSITIZATION AT AGE 6
Antonella Frassanito (Roma (RM), Italy), Raffaella Nenna, Laura Petrarca, Greta Di Mattia, Ilaria Galli, Sabrina Fioroni, Alessandra Pierangeli, Daniela Porta, Simona Tartaglia, Franca Rusconi, Fabio Midulla

PA4504 Grandmaternal smoking during pregnancy increases the risk of asthma and decreases lung function in male grandchildren.
Gillian M. Mahon (Zwolle, Netherlands), Gerard H. Koppelman, Judith M. Vonk

PA4505 Relationship between exposure to household air pollution and asthma in children: a systematic review and meta-analysis
Kevin Karivelil (Hamilton, Canada), Kristen Viaje, Christina Ma, Christopher Chiang, Om Kurmi

PA4506 PROTEOMIC ANALYSIS OF BLOOD SERUM OF CHILDREN WITH BRONCHIAL ASTHMA
Olga Semernik (Rostov-on-Don (Rostov Oblast), Russian Federation), Alexander Lebedenko, Victoria Gunko

PA4507 Gut microbiota in wheezing preschool children and the development of childhood asthma
Michiel Bannier (Maastricht, Netherlands), Liene Bervoets, Niels Van Best, Quirijn Jöbsis, Edward Dompeling, John Penders

PA4508 Exercise-induced bronchoconstriction (EIB) is not associated with exhaled nitric oxide (FeNO) in adolescent athletes
Karin Ersson (Uppsala, Sweden), Henrik Johansson, Elisabet Mallmin, Andrei Malinovski

PA4509 Characterization of asymptomatic subjects with exercise-induced bronchoconstriction (EIB)
Henrik Johansson (Uppsala, Sweden), Kjell Alving, Margareta Emtner, Christer Janson, Leif Nordang, Pasquale Pio Pompilio, Andrei Malinovski

PA4510 Intra-device repeatability of the NIOX-MINO handheld fractional exhaled nitric oxide monitor.
Spencer Williams (London (England), United Kingdom), Franklin Sopuluchukwu, Sindhu Sivagnanasithiyar, Meredith Robertson, Richard W. Iles

PA4511 The effect of polyvalent mechanical bacterial lysate on the reduction of nasal Staphylococcus aureus carriage in children with pollen allergic rhinitis
Kamil Janeczek (Lublin, Poland), Andrzej Emeryk, Ewa Markut-Miotła

- PA4512 Externally validating the asthma remission prediction model to the Dutch asthma remission studies**
Orestes Carpaij (Groningen, Netherlands), Judith Vonk, Martijn Nawijn, Huib Kerstjens, Gerard Koppelman, Maarten Van Den Berge
- PA4513 Assessment of adrenal function using low and standard dose synacthen tests in a cohort of paediatric asthma patients**
Louise Fleming (London, United Kingdom), Louise Selby, Sejal Şagłani, Andrew Bush
- PA4514 EBC periostin concentration in children with mild-to moderate asthma**
Patrycja Nejman-Gryz (Warszawa, Poland), Katarzyna Górska, Katarzyna Krenke, Joanna Peradzyńska, Magdalena Paplińska-Goryca, Marek Kulus, Rafał Krenke
- PA4515 Clinical value of the parameters of microcirculation in bronchial asthma in children**
Yuri Mizernitski (Moscow, Russian Federation), Irina Melnikova, Ekaterina Udaltsova
- PA4516 Understanding the relationship between breastfeeding and childhood asthma: A systematic review and meta-analysis**
Emily DeHaas (Toronto, Canada), Mike Xue, Om P Kurmi

TP-31

Session 461

12:50 - 14:40

Thematic poster: Treatments, adherence and psychosocial aspects of cystic fibrosis

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Epidemiology Public health Pulmonary function testing Imaging Pulmonary rehabilitation Cell and molecular biology

Chairs : Pedro Enrique Mondejar Lopez (Molina de Segura (Murcia), Spain), Claire Nissenbaum (manchester, United Kingdom), Freddy Frost (Liverpool, United Kingdom), François Vermeulen (Leuven, Belgium)

- PA4517 Pregnancy in two patients with cystic fibrosis treated with lumacaftor/ivacaftor**
Christina Keßler (Münster, Germany), Angelika Dübbers, Jörg Große-Onnebrink, Heymut Omran
- PA4518 Cystic Fibrosis Patients Eligible for Modulator Drugs: Data from Cystic Fibrosis Registry of Turkey**
Fatma Nazan Çobanoğlu (Ankara, Turkey), Deniz Doğru Ersöz, Erkan Çakır, Tuğba Şişmanlar Eyüboğlu, Sevgi Pekcan, Güzin Cinel, Ebru Yalçın, Nural Kiper, Velat Şen, Hadice Selimoğlu Şen, Ömür Ercan, Özlem Keskin, Sevgi Bilgiç Eltan, Lina Muhammed Al Shadfán, Hakan Yazan, Derya Ufuk Altıntaş, Şenay Şaşıhüseyinoğlu, Nihat Sapan, Şükrü Çekiç, Haluk Çokuğraş, Ayşe Ayzit Atabek, Tuğba Ramaslı Gürsoy, Ayşe Tana Aslan, Ayşen Bingöl, Abdurrahman Erdem Başaran, Ali Özdemir, Mehmet Köse, Melih Hangül, Nagehan Emiralioğlu, Gökçen Tuğcu, Hasan Yüksel, Özge Yılmaz, Fazıl Orhan, Zeynep Gökçe Gayretli Aydın, Erdem Topal, Zeynep Tamay, Ayşe Süleyman, Demet Can, Cem Murat Bal, Gönül Çaltepe, Uğur Özçelik
- PA4519 The pharmacokinetic of the main oral antibiotics in children with cystic fibrosis.**
Elena Kondratyeva (Moscow, Russian Federation), Yulia Kondakova, Sergey Zyryanov, Irina Bondareva, Victoria Sherman, Yuliya Melyanovskaya
- PA4520 Evaluation of adherence to medication treatment in pediatric patients with cystic fibrosis; a cross-sectional study**
shahideh amini (Tehran, Islamic Republic of Iran), Saedeh Sadat Jafarrangraz, Mohammadreza Modaresi, Kheirollah Gholami
- PA4521 Feasibility study of an intervention to increase treatment adherence in children with cystic fibrosis (CF)**
Emma France (Stirling, United Kingdom), Gaylor Hoskins, Eleanor Main, Steve Cunningham, Claire Glasscoe, Brian Williams, Elaine Dhouieb, Pat Hoddinott, Shaun Treweek, Suzanne Hagen, Karen Semple
- PA4522 Development of Barrows Cards in enhancing self-management in Pediatric patient with Cystic Fibrosis**
Annamaria Bagnasco (Genova (GE), Italy), Giuseppe Aleo, Gianluca Catania, Milko Zanini, Loredana Sasso
- PA4523 Characteristics of cystic fibrosis patients diagnosed after false negative cystic fibrosis newborn screening results**
Pinar Ergenekon (Istanbul, Turkey), Emine Atag, Nilay Bas Ikizoglu, Cansu Yılmaz Yegit, Yasemin Gokdemir, Ela Erdem Eralp, Bulent Karadag
- PA4524 Psychosocial and spiritual needs in Cystic Fibrosis patients**
Joerg Grosse-Onnebrink (Münster, Germany), Charlotte Roch, Florian Stehling, Michaela Schiller, Sivagurunathan Sutharsan, Arndt Buessing
- PA4525 Cystic Fibrosis in Iran**
Mohammad Reza Modaresi (Tehran, Islamic Republic of Iran), Safura Navaie, Rouhollah Shirzadi, Majd Keyvanfar
- PA4526 Patient centred research: a model for involving cystic fibrosis (CF) patients in research planning**
Brooke Bianco (Manchester, United Kingdom), Huziafa Patel, Emma Shaw Nunez, Amanda Brennan, Susan Kirk, Alex Horsley

- PA4527** **Controlled inhalation improves total and peripheral lung deposition in CF**
Crystal Bourke (Shenton Park, Australia), Mark Everard, Sunalene Devadason, William Ditcham, Julie Depiazzi
-
- PA4528** **Effectiveness of a mobile HFCWO device for airway clearance: impact on hyperinflation**
Glenn Leemans (Schelle, Belgium), Annelies De Hondt, Kris Ides, Cedric Van Holsbeke, Dennis Belmans, Brian Becker, Kim Van Hoorenbeeck
-
- PA4529** **Combining Inhalation by A Breath Actuated Nebuliser (BAN) With Exhalation Through An Oscillating Positive Expiratory Pressure Device (OPEP) Offers The Potential For Optimal Combined Therapy**
Mark Nagel (London (ON), Canada), Jason Suggett, Vladimir Kushnarev, Dominic Coppolo, Anthony Wesolowski, Timothy Corcoran
-
- PA4530** **An evaluation of a novel disposable Oscillating Positive Expiratory Pressure (OPEP) device in children with Cystic Fibrosis.**
Kevin O'Sullivan (Limerick, Ireland), Valerie Power, Colum Dunne, Leonard O'Sullivan, Barry Linnane, Deirdre Mcgrath

TP-32

Session 462

12:50 - 14:40

Thematic poster: Prognosis in bacterial and viral pneumonia

Disease(s) : Respiratory critical care

Method(s) : General respiratory patient care Epidemiology Imaging Public health Cell and molecular biology Respiratory intensive care

Chairs : Marcos I. Restrepo (San Antonio, United States of America), Catia Cilloniz Campos (Barcelona, Spain), Johad Khoury (Elaboun, Israel), Yuichiro Shindo (Nagoya, Japan)

- PA4531** **Is health care-associated pneumonia itself a predisposing factor for multi-drug resistant organisms?**
Suhyun Kim (Seoul, Republic of Korea), Eun-Bin Lim, Cho Rom Hahm, Jae-Phil Choi, Jinyoung Kim, Sang Hee Jung, Joung Ah Kweun, Chaeyoung Lee
-
- PA4532** **Platelet count as an evolution marker of late mortality and cardiovascular events after an episode of community-acquired pneumonia.**
Sergio Luquero Bueno (Madrid, Spain), José María Galván-Román, José Curbelo, Angel Lancho-Sánchez, Emilia Roy-Vallejo, Mara Ortega-Gómez, Manuel Gómez, Gloria Mateo-Jimenez, Marcos Manzanegue-Pradales, Javier Aspa Marco
-
- PA4533** **Viral Sepsis in Adults with Community-Acquired Pneumonia**
Cristina Dominedò (Rome, Italy), Catia Cillóniz, Adamanthia Liapikou, Daniel Magdaleno, Miquel Ferrer, Maria Angeles Marcos, Antoni Torres
-
- PA4534** **Optimizing treatment for community-acquired pneumonia through a care bundle**
Markus Fally (Frederiksberg C, Denmark), Emma Diernaes, Line Molzen, Regitze Seerup, Simone Israelsen, Jacob Anhoj, Pernille Ravn
-
- PA4535** **Role of biomarkers of systemic inflammation in the prediction of mortality and/or severe complications in community acquired pneumonia**
Amaia Artaraz Ereno (GALDAKAO, Spain), AMAIA ARTARAZ, Ane Uranga, Leyre Chasco, Patricia Garcia, Urko Aguirre, Jose Maria Quintana, Rosario Menendez, Francisco Javier Aspa, Salvador Bello, Pedro Pablo España
-
- PA4536** **An RDW-based score predicts mid-term mortality in patients hospitalized with community acquired pneumonia (CAP): a derivation and validation study**
Jacopo Davide Giamello (Busca, Italy), Remo Melchio, Piero Riva, Elisa Testa, Christian Bracco, Stefano Leccardi, Cristina Serraino, Andrea Falcetta, Alberto Silvestri, Massimo Porta, Luigi Maria Fenoglio
-
- PA4537** **Risk factors and implications for readmission of patients following hospitalization for community-acquired pneumonia in South Korea**
June Hong Ahn (Daegu, Republic of Korea), Jong Geol Jang
-
- PA4538** **Predictors of in-hospital mortality in influenza infection.**
Mariana Serino Barbosa (Braga, Portugal), João Caldas, Nuno Melo, Ana Ferreira, David Garcia, Patrícia Lourenço
-
- PA4539** **THE ROLE OF PCR IN DIAGNOSTICS OF ACUTE RESPIRATORY VIRAL INFECTIONS IN CHILDREN**
Katsiaryna Serhiyenka (Minsk, Belarus)
-
- PA4540** **Are influenza A and B infections that different?**
Mariana Serino Barbosa (Braga, Portugal), Joao Caldas, Ana Ferreira, Nuno Melo, David Garcia, Patrícia Lourenço
-
- PA4541** **Which is the most effective inflammatory marker in the diagnosis, severity and treatment follow-up of patients with pneumonia?**
Füsün Şahin (Istanbul, Turkey), Füsün Şahin, Ayşe Feyza Aslan

- PA4542** **LONG –TERM MORTALITY IN PATIENTS WITH PNEUMOCOCCAL AND LEGIONELLA PNEUMONIA**
Luis Alberto Ruiz Iturriaga (Barakaldo (Vizcaya), Spain), Leyre Serrano Fernandez, Lorea Martinez-Indart, Ainhoa Gomez Bonilla, Beatriz Gonzalez Quero, Amaia Artaraz Ereño, Borja Ortiz De Urbina Antia, Pedro Pablo España Yandiola, Rafael Zalacain Jorge
- PA4543** **MICROBIAL ETIOLOGY OF COMMUNITY ACQUIRED PNEUMONIA: 13-YEAR PROSPECTIVE STUDY**
Leyre Serrano Fernandez (Bilbao (Bizkaia), Spain), Luis Alberto Ruiz Iturriaga, Ainhoa Gomez Bonilla, Beatriz Gonzalez Quero, Borja Ortiz De Urbina Antia, Beatriz Gomez Crespo, Marta Garcia Moyano, Sonia Castro Quintas, Amaia Urrutia Gajate, Rafael Zalacain Jorge
- PA4544** **DIFFERENCES IN HOSPITAL COURSE IN COMMUNITY ACQUIRED PNEUMONIA (CAP) ACCORDING TO ANTIBIOTIC TREATMENT**
Beatriz Gonzalez Quero (bilbao, Spain), Leyre Serrano, Ainhoa Gomez, Marta Garcia, Luis Alberto Ruiz, Borja Ortiz De Urbina, Sonia Castro, Amaia Urrutia, Rafael Zalacain
- PA4545** **Disseminated bacterial community-acquired pneumonia in patients at late stages of HIV infection**
Vladimir Romanov (Moscow, Russian Federation), Vladimir Mishin, Anastasya Mishina, Alexey Sobkin
- PA4546** **Impact of reducing antibiotic treatment on inflammation among patients with community-acquired pneumonia.**
Amaia Artaraz Ereno (GALDAKAO, Spain), Ane Uranga Echeverria, Amaia Artaraz, Amaia Bilbao, Jose Maria Quinatana, Ignacio Arriaga, Maider Intxausti, Jose Luis Lobo, Julia Amaranta Garcia, Jesus Camino, Pedro Pablo España
- PA4547** **Sporadic coronavirus lower respiratory tract infection in adults: chest CT imaging features and comparison with other viruses**
Lawrence A. Marinari (Bryn Mawr, United States of America), Madeline A. Danny, Wallace T. Miller, Jr.
- PA4548** **Influenza vaccination uptake, awareness, and barriers among healthcare workers (HCWs) at tertiary care setting in India**
Kesavaperumal Vijayaratha (Chennai (Tamil Nadu), India), Karthik Basumani, Akshaya Sasank
- PA4549** **Early Rehospitalizations for Pneumonia: Incidence and Predictors in an Italian population-based cohort study**
Paola Faverio (Limbiato (MI), Italy), Matteo Monzio Compagnoni, Alberto Pesci, Fabrizio Luppi, Matteo Della Zoppa, Giovanni Corrao
- PA4550** **Adjusted lytA qPCR for improved detection of Streptococcus pneumoniae in community-acquired pneumonia**
Nienke Paternotte (Amsterdam, Netherlands), Bart Kamies, W.G. Boersma, W.A. Van Der Reijden

TP-33

Session 463

12:50 - 14:40

Thematic poster: Clinical challenges in respiratory infection

Disease(s) : [Respiratory critical care](#)

Method(s) : General respiratory patient care Epidemiology Respiratory intensive care Pulmonary function testing Cell and molecular biology Endoscopy and interventional pulmonology Public health Imaging Surgery

Chairs : Stefano Aliberti (Milan, Italy), Anand Shah (London, United Kingdom), Andrea Gramegna (Milano (MI), Italy), Guillermo Suarez-Cuartin (Barcelona, Spain)

- PA4551** **Clinical characteristics and prognosis of chronic pulmonary aspergillosis**
Keitaro Nakamoto (Tokyo, Japan), Yuka Sasaki, Tatsuya Shirai, Keiji Fujiwara, Koji Furuuchi, Takeshi Osawa, Masahumi Shimoda, Kazunari Yamana, Kozo Morimoto, Ryoza Yano, Maki Miyamoto, Hiroyuki Kokuto, Yoshiaki Tanaka, Masao Okumura, Takashi Uchiyama, Kozo Yoshimori, Ken Ohta
- PA4552** **Frequency of side effects in antibiotic treatment for pneumonia**
Nobuyoshi Hamao (Kyoto, Japan), Isao Ito, Satoshi Konishi, Naoya Tanabe, Issei Oi, Toyohiro Hirai
- PA4553** **Corticosteroid therapy combined with antibiotics for severe Streptococcus pneumoniae pneumonia in ventilated piglets**
Minlan Yang (Barcelona, Spain), Gianluigi Li Bassi, Anna Motos, Hua Yang, Joaquim Bobi, Andrea Meli, Denise Battaglini, Roberto Cabrera, Giacomo Tanzella, Carmen Rosa Vargas, Laia Fernandez-Barat, Montse Rigol, Antoni Torres
- PA4554** **Utility of BAL Galactomannan testing: A prospective analytical study**
Shubham Sharma (Jaipur (Rajasthan), India), Sourav Chakraborty, Manashi Ghosh, Raja Dhar
- PA4555** **Diagnostic yield and safety of flexible bronchoscopy for the diagnosis of pulmonary infections in patients with and without haematological malignancies**
Tobias Mueller (Aachen, Germany), Kai Von Schwanewede, Michael Dreher

- PA4556** **Chronic pulmonary aspergillosis in France: prevalence, associated chronic pulmonary diseases and prognosis in a 10-year retrospective study of the French nationwide administrative hospital database.**
Thomas Maitre (Paris, France), Jonathan Cottenet, Cendrine Godet, Philippe Bonniaud, Catherine Quantin, Jacques Cadranet
- PA4557** **Protective efficacy and antigenicity of influenza HA-VLPs in a murine model of postinfluenza bacterial pneumonia.**
Irina Falynskova (Moscow, Russian Federation), Irina Leneva, Andrej Egorov, Aleksandr Poddubikov, Reingard Grabherr, Miriam Klausberger
- PA4558** **Penicillin-resistant pneumococcal disease is not related to worse clinical outcomes in immunocompromised patients**
Daniela Cavalet Blanco (Porto Alegre (RS), Brazil), Cindy Jara Hernandez, Luciana Zani Da Silva, Liana Ferreira Corrêa, Marcelo Tadday Rodrigues, Cynthia Rocha Dullius
- PA4559** **Hydatid disease of the lungs: an experience from a developing country**
Ayesha Butt (Karachi, Pakistan), Javaid Khan
- PA4560** **Mortality among patients admitted for viral lower respiratory tract infections – a seasonal cohort study**
Torcato Moreira Marques (Lisboa, Portugal), Inês Moreira, André Almeida, Teresa Ferreira, Catarina Pires, Rita Corte Real
- PA4561** **Immunosuppression is associated with lower morbidity and mortality in the 2017/2018 influenza epidemic**
Benjamin Seeliger (Hannover, Germany), Klaus Stahl, Markus Busch, Olaf Wiesner, Tobias Welte, Marius M. Hoepfer, Matthias Eder, Albert Heim, Sascha David
- PA4562** **Efficacy of Ceftolozane/Tazobactam in Comparison with Piperacillin/Tazobactam in Severe Pseudomonas aeruginosa Pneumonia Swine Model**
Hua Yang (BARCELONA, Spain), Hua Yang, Anna Motos, Gianluigi Li Bassi, Eli Aguilera Xiol, Francesco Pagliara, Tarek Senussi, Francesco A Idone, Joaquim Bobi, Roberto Cabrera, Laia Fernandez-Barat, Minlan Yang, David Nicolau, Paolo Pelosi, Massimo Antonelli, Antoni Torres
- PA4563** **Clinical patterns of Pneumocystis Jirovecii in HIV and non-HIV patients**
VIRGINIA PARRA LEON (MADRID, Spain), Walther Ivan Girón Matute, Christian Reynaldo Castro Riera, Zichen Ji, José Rafael Terán Tinedo, Luis Puente Maestu
- PA4564** **Home Quarantine experience**
Sheree M.S. Smith (Sydney (NSW), Australia), Grant Waterer, Allen Cheng, Paul Middleton, Philip Thompson
- PA4565** **CusS-cusR mediate carbapenem-resistant Klebsiella pneumoniae resistant to tigecycline.**
Yusheng Chen (Shanghai, China), Dongjie Chen, Hongru Li, Liying Xiao, Xiaoqin Li, Xinlan Hu, Huaqiang He
- PA4566** **Characterization of influenza A, B and RSV infections in a Pulmonology ward during the 17/18 flu-season**
João Nunes Caldeira Marinho Matos (Ponta Delgada, Portugal), Sofia Rodrigues Sousa, Maria Braz, Yvette Martins, Fernando Barata
- PA4567** **Putting in Harm to cure: Drug related adverse events do not affect outcome of patients receiving treatment for Multidrug-Resistant Tuberculosis**
Gina Gualano (Roma (RM), Italy), Paola Mencarini, Maria Musso, Silvia Mosti, Silvia Murachelli, Angela Cannas, Antonino Di Caro, Delia Goletti, Enrico Girardi, Fabrizio Palmieri
- PA4568** **Prediction of dysphagia by thoracic muscle mass estimated by chest computed tomography in elderly pneumonia patients**
Jin Hwa Song (Seoul, Republic of Korea), Kwang Nam Jin, Jung-Kyu Lee, Deog Kyeom Kim, Eun Young Heo
- PA4569** **Dynamic research of serum cryptococcal capsular polysaccharide antigen test and chest CT of pulmonary cryptococcosis without HIV**
Yuping Li (Wenzhou (Zhejiang), China), Pengcheng Lin, Junru Ye, Chengshui Chen
- PA4570** **Evaluation of therapy for nursing and health care-associated pneumonia(NHCAP) patients based on Japanese new guidelines.**
Ryosuke Hamaoka (Oita, Japan), Umeki Kenji, Eri Mizukami, Kosaku Komiya, Yuko Usagawa, Mari Yamasue, Hiroki Yoshikawa, Shin-Ichi Nureki, Masaru Ando, Kazufumi Hiramatsu, Jun-Ichi Kadota

TP-34

Session 464

12:50 - 14:40

Thematic poster: Complex respiratory infections in clinical practice

Disease(s) : **Airway diseases**Method(s) : General respiratory patient care Pulmonary function testing Imaging Endoscopy and interventional pulmonology
Epidemiology Public health Cell and molecular biology

Chairs : Raja Dhar (Kolkata (West Bengal), India), Holly Rachael Keir (Dundee (Angus), United Kingdom), Anne O'Donnell (Washington, United States of America), Margarida Torres Redondo (Matosinhos, Portugal)

- PA4571 Chest radiographs following admission with community acquired pneumonia: a retrospective audit**
Sara Upperton (Leeds, United Kingdom), Akshay Dwarakanath, Ali Ameri
-
- PA4572 Comparison of different techniques to evaluate active neutrophil elastase in sputum of bronchiectasis and cystic fibrosis patients**
Leonardo Terranova (Milano, Italy), Martina Oriano, Giovanni Sotgiu , Laura Sadari , Angela Bellofiore, Mariangela Retucci, Cinzia Marotta, Andrea Gramegna , Daniela Miglietta, Chiara Carnini , Paola Marchisio , James D. Chalmers, Stefano Aliberti , Francesco Blasi
-
- PA4573 Comparison of safety and efficacy between clarithromycin- and azithromycin-containing regimens in Mycobacterium avium complex lung disease**
Soo Han Kim (Seoul, Republic of Korea), Yong Shik Kwon, Byoung Soo Kwon, Ock-Hwa Kim, Yea Eun Park, Kung-Wook Jo, Yong Pil Chong, Tae Sun Shim
-
- PA4574 Derivation und Validation of a Primary Ciliary Dyskinesia Computed Tomography (PCD-CT) Score in patients with bronchiectasis**
Jessica Rademacher (Hannover, Germany), Sabine Dettmer, Jan Fuge, Jens Vogel-Claussen, Hoen-Oh Shin, Anand Shah, Paul Ines Pedro, Rob Wilson, Tobias Welte, Frank Wacker, Felix C. Ringshausen, Michael R. Loebinger
-
- PA4575 The comparison of diagnostic relevance of protein C, C-reactive protein and endothelin-1 for prediction of lung vessel thrombosis in patients with community-acquired pneumonia**
Kseniia Bielosludtseva (Dnepropetrovsk, Ukraine), Tetiana Pertseva, Tetiana Kireieieva, Mariia Krykhtina
-
- PA4576 Inhaled antibiotic treatment reduces the frequency of infective exacerbations in bronchiectasis: a single center, real life study**
Ria Cohen (Yodfat, Israel), Saleh Nazzal, Yochai Adir , Nili Stein, Michal Shteinberg
-
- PA4577 Change in pulmonary function among patients with bronchiectasis with or without non-tuberculous mycobacterial pulmonary disease**
Nakwon Kwak (Seoul, Republic of Korea), Sung Ah Kim, Jaeyoung Cho, Jinwoo Lee, Sun Mi Choi, Chang-Hoon Lee, Hyung-Jun Kim, Jae-Joon Yim
-
- PA4578 Respiratory viruses in adults with cystic fibrosis during stable and exacerbations**
Leonardo Terranova (Milano, Italy), Andrea Gramegna, Martina Oriano, Maria Pappalettera, Martina Contarini, Alessandra Colombo, Fabrizio Nava, Francesco Amati, Angela Bellofiore, Cinzia Marotta, Paola Marchisio, Stefano Aliberti, Francesco Blasi
-
- PA4579 Dueling diseases - seven cases of Swyer-James-MacLeod syndrome in non-CF bronchiectasis adult patients**
Oxana Munteanu (Chişinău (Chişinău), Republic of Moldova), Irina Volosciuc, Dumitru Chesov, Leonid Onea, Aliona David, Victor Botnaru
-
- PA4580 Prevalence of relevant multi-drug resistant (MDR) pathogens in a bronchiectasis (BE) cohort.**
Javier Perez Miranda (Las Palmas de Gran Canaria, Spain), Eva Polverino, Antonio Alvares, Patricia Chang, Letizia Traversi, Ariadna Rando, Daniel Romero, Maria Teresa Martin
-
- PA4581 Number of exacerbations and Pseudomonas aeruginosa colonization negatively impact on the radiological severity in Primary Ciliary Dyskinesia.**
Andrea Farolfi, Lucia Barcellini, Gian Vincenzo Zuccotti, Umberto Ambrosetti, Maria Margherita De Santi, Maria Francesca Patria, Dario Consonni, Gioia Piatti
-
- PA4582 Prevalence of S. pneumoniae colonization and serotypes in sputum of vaccine-naive adults with cystic fibrosis.**
Leonardo Terranova (Milano, Italy), Andrea Gramegna, Martina Oriano, Maria Pappalettera, Martina Contarini, Luca Ruggiero, Alessandra Colombo, Francesco Amati, Mariangela Retucci, Odette Chiappa, Paola Marchisio, Stefano Aliberti, Francesco Blasi
-
- PA4583 The Significance of IgG to Aspergillus in Non-Cystic Fibrosis Bronchiectasis**
Christopher Huntley (Kingswinford (West Midlands), United Kingdom), Paren Chohan, Kay Por Yip, Richard Carter
-
- PA4584 Nontuberculous mycobacteria in patients with bronchiectasis: data from the German Bronchiectasis Registry PROGNOSIS**
Raphael Ewen (Hannover, Germany), Grit Barten-Neiner, Andrés De Roux, Roland Diel, Pontus Mertsch, Jessica Rademacher, Tobias Welte, Annegret Zurawski, Felix C. Ringshausen, + The Prognosis Study Group
-
- PA4585 Persistent bacterial bronchitis in adults – a precursor to Bronchiectasis?**
Simon Finch (Perth, United Kingdom), Luis Carreto, Abo-Leyah Hani, Aislinn Browne, Thomas Fardon, James Chalmers
-
- PA4586 Endobronchial valve treatment for cavitory pulmonary diseases caused by non-tuberculosis mycobacteria.**
Anastasiia Russkikh (Moscow , Russian Federation), Alexandra Gracheva, Olga Lovacheva, Irina Vasilyeva

PA4587 Clinical efficacy and safety evaluation of a novel seawater-based hypertonic solution in common cold patients
Noémie Durand (Levallois-Perret, France), Sreedar Anapurapu, Abhilash Bonagoni, William Hooper, AMINA SAAID, Corinne Houee, Marita Alegre

PA4588 Comparison of clinical characteristics of invasive tracheobronchial aspergillosis with or without invasive pulmonary aspergillosis
Chuiyong Pak (Ulsan, Republic of Korea), Joseph Jeong, Hee-Jeong Cha, Eun Yeong Choi, Taehoon Lee, Kwang Won Seo, Yangjin Jegal, Jong Joon Ahn, Seung Won Ra

PA4589 Efferent therapy in complex treatment of community-acquired pneumonia in patients with immunosuppression
Oksana Viltaniuk (Vinnitsa, Ukraine), Yuriy Mostovoy

TP-35

Session 465

12:50 - 14:40

Thematic poster: Tuberculosis: from basic science to patient care

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology General respiratory patient care Imaging Surgery

Chairs : Giovanni Sotgiu (Porto Torres (SS), Italy), Keertan Dheda (Cape Town, South Africa)

PA4590 Pyrosequencing(PSQ) in early diagnosis of CNS tuberculosis and determining drug resistance.
Pratibha Singhal (Mumbai (Maharashtra), India), Abhinav Bhosle, Vibhor Pardasani, Prajay Lunia, Kanchan Ajbani, Dipak Dhangar, Suhas Tiple

PA4591 A study to perceive the role and function of Proteasome Accessory Factor-C (PafC) in Mycobacterium tuberculosis.
APOORVA NARAIN (Lucknow (Uttar Pradesh), India), Ekta Dhamija, Kanchan Srivastava, Kishore Kumar Srivastava, Surya Kant

PA4592 Elucidation of Protein Tyrosine Phosphatase-B for its role in intracellular survival of Mycobacterium tuberculosis
Ekta Dhamija (Lucknow, India), Shivraj Yabaji, Aditi Chatterjee, Alok Mishra, Rikesh K. Dubey, Apoorva Narain, Kishore K. Srivastava

PA4593 In silico validation of anti-tuberculosis activity and identification of lead molecules in Annona squamosa
Shefin Basheera (Kaniyapuram, India), Sreekumar Sivanandan, Biju Charuvilkamalan

PA4594 Decreased miR-150-5p and miR-23a-3p expressions in patients with active Pulmonary Tuberculosis (TB) disease
Yung-Che Chen (Kaohsiung, Taiwan), Meng-Chih Lin, Chiu-Ping Lee, Yi-Xin Zheng, Wen-Feng Fang

PA4595 The efficacy of single-photon emission computed tomography with Macrotech 99m-Tc radiopharmaceutical in microcirculation evaluation in patients with fibrous-cavernous pulmonary tuberculosis
Raxana Kazho (Moscow, Russian Federation), Natalya Karpina, Anatoliy Sigaev, Rasul Amansahedov

PA4596 Serum microRNA markers of tuberculoma decoy.
Galina Shepelkova (Moscow, Russian Federation), Vladimir Evstifeev, Anush Ergeshova, Alexander Guskov, Mamed Bagirov, Vladimir Yermeev

PA4597 The increased production level of 15 cytokines associated with tuberculosis severity and patients' responsiveness to therapy.
Irina Nikitina (Moscow, Russian Federation), Yana Serdyuk, Tatiana Nenasheva, Tatevik Bagdasaryan, Violetta Shorokhova, Irina Lyadova

PA4598 From environmental bacteria to obligate pathogen: the study of adaptations enhancing the persistence of tuberculosis bacilli
Aideen C. Allen (Toulouse, France), Wladimir Malaga, Catherine Astarie-Dequeker, Ali Hassan, Céline Berrone, Flavie Moreau, Philip Supply, Roland Brosch, Christophe Guilhot

PA4599 Indoleamine 2,3-dioxygenase-1 (IDO1) activity protects M. tuberculosis in macrophages from antibiotics
Lihui Guo (Amsterdam, Netherlands), Annemiek Dijkhuis, Nicole Van Der Wel, René Lutter

PA4600 The Glutoxim influence on minimum inhibitory concentration of isoniazid-resistant strains of Mycobacterium tuberculosis
Natalya Solovieva (St. Petersburg, Russian Federation), Olesia Kulikova, Zganna Rakisheva, Goar Balasaniants

PA4601 Role of TLR2 Polymorphism (2258) in Susceptibility to Pulmonary Tuberculosis
Yacine Benbetka (Alger, Algeria), Karim Saadi, Aziza Fissah

PA4602 Study of the Association of Functional Polymorphisms Affecting the TLR2, TIRAP, TNF, IL1B, IL1RN, IL12B and NOS2A Genes with Susceptibility to Pulmonary Tuberculosis.
Yacine Benbetka (Alger, Algeria), Nassima Djami, Aziza Fissah

- PA4603** **The attenuation of cytokine response might be correlated with gut dysbiosis in nontuberculous mycobacteria lung disease**
Chin-Chung Shu (Taipei, Taiwan)
- PA4604** **Hepatotoxic reactions in rats after administration of component schemes of reserve Anti-TB drugs with different safety profile**
Alexey Kazakov (Moscow, Russian Federation), Galina Mozhokina, Yulia Zyuzuza, Larisa Petrova
- PA4605** **Mycobacterium tuberculosis shape and size variations in alveolar macrophages of tuberculosis patients**
Elena Ufimtseva (Novosibirsk, Russian Federation), Natalya Eremeeva, Diana Vakhrusheva, Sergey Skornyakov
- PA4606** **In vitro M. tuberculosis H37Rv inhibition with levofloxacin encapsulated in PLGA particles**
Evgeny Antonov (Moscow, Troitsk, Russian Federation), Tatiana Smirnova, Sofya Andreevskaya, Larisa Chernousova, Sergei Bogorodski, Vladimir Popov
- PA4607** **Efficiency of bactericidal activity of liposomal mycobacteriophages against intracellular Mycobacteria tuberculosis in the model of macrophages RAW 264**
Mikhail Vladimirsky (Moscow, Russian Federation), Marina Lapenkova, Yulia Alyapkina, Irina Vasilyeva
- PA4608** **Efficacy of anti-tuberculosis therapy with INH, RIF and Bedaquiline in mice with different genetic susceptibility to the infection**
Boris Nikonenko (Moscow, Russian Federation), Irina Bocharova, Maria Korotetskaya, Elena Kondratieva, Alexander Apt

TP-36

Session 466

12:50 - 14:40

Thematic poster: Tuberculosis: a public health approach**Disease(s) :** Airway diseases**Method(s) :** Epidemiology General respiratory patient care Public health Endoscopy and interventional pulmonology Cell and molecular biology Pulmonary function testing**Chairs :** Ay egül Fusun Öner Eyübo lu (Ankara, Turkey), Giovanni Battista Migliori (Varese (VA), Italy), Evgeny Belilovskiy (Moscow, Russian Federation), Ivan Solovic (Vysne Hagy, Slovakia)

- PA4609** **Tuberculosis infection control measures assessment in diabetic healthcare facilities**
Mohammad Abdulrazaq (Bagdad, Iraq), Samer Ameen, Abdulla Al-Farttoosi, Talal Rajeb, Mahmmod Jabir, Raheem Thani
- PA4610** **Tuberculosis and homeless context**
Tatiana Osipov (Chisinau, Republic of Moldova), Evelina Lesnic
- PA4611** **Roma TB patients – „double trouble”: migration and lifestyle**
Adriana Sorete Arbore (Iasi (Iasi), Romania), Violeta Cojocariu
- PA4612** **Pulmonary tuberculosis in smokers**
ABID Narjes (Nabeul, Tunisia), ABID Narjes, Mokni Amani, Loukil Manel, Fnina Sonya, Ghrairi Hedia
- PA4613** **Comparative analysis and epidemiological aspects of spreading tuberculosis strains in Kharkiv region, Eastern Ukraine**
Olha Konstantynovska (Kharkiv, Ukraine), Oleksandr Liashenko, Petro Poteiko, Anton Rohozhyn, Ivan Hrek, Oleksii Solodiankin
- PA4614** **Evaluation of the Integrated Tuberculosis Research Programme (PII TB) by SEPAR (Spanish Respiratory Society)**
Juan Rodríguez López (Oviedo (Asturias), Spain), M Teresa Rodrigo Sanz, José-María García-García, Joan A. Caylá, José Antonio Caminero Luna, Juan Ruiz Manzano
- PA4615** **Completion rates of LTBI treatment: shifting prescription from INH alone to RIF containing regimens. Observation from 1992 to 2017**
Paola Francesca Castellotti (Milano (MI), Italy), Maurizio Ferrarese, Matteo Saporiti, Daniela Campisi, Giorgio Besozzi, Simone Villa, Luigi Ruffo Codecasa
- PA4616** **Predictive factors of delayed sputum conversion in pulmonary tuberculosis**
Azza Slim, Hafaoua Daghfous, Amani Ben Mansour, Hajer Kchouk, Alia Ezzaouia, Soumaya Ben Saad, Fatma Tritar
- PA4617** **Tuberculosis Screening at Social Solidarity Institutions**
José Eduardo Coutinho Costa (Coimbra, Portugal), João Machado, Lidia Gomes, Pedro Brito, Paulo Cravo Roxo
- PA4618** **Internal and external migrants in new TB cases in Moscow**
Evgeny Belilovskiy (Moscow, Russian Federation), Sergey Evgenievich Borisov, Mikhail Sinitsyn, Alexandra Chizhova, Marina Matveeva, Andrei Ilchenko

- PA4619 Tuberculosis and Immigration - A retrospective study at an urban Chest Disease Center.**
Cristina Isabel Braço Forte (Algés, Portugal), Ana Alfaiate, Susana Carreira, Susana Sousa, Vitor Santos, Paula Duarte
-
- PA4620 Tuberculosis in elderly patients**
Azza Slim, Hafaoua Daghfous, Amani Ben Mansour , Hajer Kchouk , Alia Ezzaouia, Soumaya Ben Saad, Fatma Tritar
-
- PA4621 Psychiatric disorders in women with tuberculosis: A questionnaire based study at tertiary care hospital**
Surya Kant (Lucknow (Uttar Pradesh), India), Kanchan Srivastava, Jyoti Bajpai, Apoorva Narain, Adarsh Tripathi
-
- PA4622 Benefits of a municipality tuberculosis screening program among socially vulnerable citizens.**
Torben Smidt Hansen (Stavtrup, Denmark), Leni Oldenborg, Elisabeth Bendstrup
-
- PA4623 Influence of genotype of MBT on the method of detecting tuberculosis**
Vladimir Tereshin, Tatyana Tyulkova, Tatyana Umpeleva, Natalya Yermeeva, Diana Vakhrusheva, Kseniya Belousova, Valeria Guseva
-
- PA4624 Belarus experience in video observed treatment for tuberculosis patients**
Alena Skrahina (Minsk region, Belarus), Viatcheslav Grankov, Henadz Hurevich, Dzmitry Klimuk, Vasily Akulov, Masoud Dara
-
- PA4625 Cigarette smoke is a risk factor for severity destructive processes in patients with pulmonary tuberculosis.**
Diljara Esmedlyaeva (St. Petersburg, Russian Federation), Larisa Kiryukhina, Natalya Nefedova, Paul Gavrilov, Marina Dyakova, Peter Yablonskii
-
- PA4626 Clinical characteristics and economic burden of Tuberculous-destroyed lung: a National Health Insurance Service-National Sample Cohort based study**
Kwang-Ha Yoo (Seoul, Republic of Korea), Yong Bum Park, Won-Yeon Lee, Yeon-Mok Oh, Chin Kook Rhee
-
- PA4627 Factors affecting the efficacy of treatment of MDR/XDR TB patients receiving bedaquiline**
Anastasia Samoilova (Moscow, Russian Federation), Anastasia Samoilova, Elena Kirianova, Oleg Shcherbakov, Konstantin Glebov, Anatasia Russkikh, Irina Vasilyeva

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Session 467

12:50 - 14:40

Thematic poster: Tuberculosis and non-TB mycobacterial infection II**Method(s) :** Epidemiology General respiratory patient care Public health Cell and molecular biology Endoscopy and interventional pulmonology Surgery**Chairs :** Dirk Wagner (Freiburg, Germany), Mateja Jankovic Makek (Zagreb, Croatia), Heinke Kunst (London, United Kingdom), Sergey Evgenievich Borisov (Moscow, Russian Federation)

- PA4628 Clinical features of XDR-TB patients**
Larisa Rusakova (Moscow, Russian Federation), Sergey Sterlikov, Vladimir Galkin
-
- PA4629 Clinical Characteristics and Treatment Outcome of Multidrug-Resistant Tuberculosis (MDR-TB) in a Tertiary Centre in Malaysia: A Two-year Experience**
Tan Han Loong (Kuala Lumpur, Malaysia), Siti Shanas Shahul Hamid, Syazatul Syakirin Sirol Aflah, Noorul Afidza Muhammad, Zamzurina Abu Bakar, Nurhayati Mohd Marzuki
-
- PA4630 Socio-demographic factors and drug resistance of M. tuberculosis in patients registered in megapolis**
Alexandra Chizhova (Moscow, Russian Federation), Svetlana Safonova, Yulia Mikhajlova, Maria Krasnova, Anastasia Khakhalina, Irina Peretokina, Evgeny Belilovsky
-
- PA4631 Effect of additional drug resistance of M tuberculosis in patients with Hr-TB on the efficacy of chemotherapy**
Anastasia Samoilova (Moscow, Russian Federation), Irina Burmistrova, Konstantin Glebov, Anna Panova, Tatyana Radina, Irina Vasilyeva
-
- PA4632 Resistance genotypes of multidrug-resistant Mycobacterium tuberculosis isolates in Serbia**
Radmila Curcic (Beograd, Republic of Serbia), Dragana Vukovic, Irena Zivanovic, Ivana Dakic, Branislava Savic
-
- PA4633 Disseminated nontuberculous pulmonary mycobacteriosis in patients at late stages of HIV infection**
Vladimir Romanov (Moscow, Russian Federation), Vladimir Mishin, Anastasya Mishina, Alexey Sobkin
-
- PA4634 Efficacy and safety of levamisole as an immunomodulator in the treatment of drug resistant tuberculosis**
NIKHIL SARANGDHAR (MUMBAI, India), K C Mohanty
-
- PA4635 Frequent adverse events during prolonged Bedaquiline treatment on XDR-tuberculosis patients**
Alexey Tikhonov (Moscow, Russian Federation), Tatevik Bagdasaryan, Marina Burakova, Vladimir Romanov

- PA4636** **To search for optimal tactics for MDR cavitary tuberculosis**
Igor Motus (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Alexander Bazhenov, Elena Kildyusheva, Igor Medvinsky, Sergey Skorniyakov, Diana Vakhrusheva
- PA4637** **The use of totally implantable central venous access ports for the treatment of multidrug-resistant tuberculosis (MDR-TB) at the programmatic level. Prospective cohort study**
Aliaksandr Skrahin (Minsk, Belarus), Dzmitry Pechinski, Mikalay Makouski, Henadz Hurevich, Animesh Sinha, Siarhey Aliushin, Viatcheslav Grankov, Alena Skrahina
- PA4638** **The effectiveness of the introduction of the updated treatment regimens and microbiological diagnostics MDR/XDR tuberculosis**
Elena M Zhukova (Novosibirsk, Russian Federation), Elena Myshkova
- PA4639** **Treatment outcome of multi-drug resistant tuberculosis (MDR-TB) patients at a tertiary care center of Northern India.**
Rajendra Prasad Takhar (Kota (Rajasthan), India), Anil Saxena, Suman Khangarot, Rashmi Garg, Babulal Bansiwala, Kamal Nayan Shringi
- PA4640** **Clinical and laboratory features of Mycobacterium avium complex infection in comparison with infection, caused by Mycobacterium tuberculosis, in HIV-infected patients**
Grigory Kaminskiy (Moscow, Russian Federation), Anna Panova, Vera Zimina, Alla Peregudova, Olga Kudrja, Elena Beloborodova, Olga Lovacheva, Anastasia Samoilova, Irina Vasilyeva
- PA4641** **Clinical effect of combined chemotherapy according to guidelines from the treatment of pulmonary Mycobacterium complex disease, including a follow-up study.**
Yoshihiro Kobashi (Kurashiki (Okayama), Japan), Masanori Abe, Ryo Shirai, Shigeki Kato, Toru Oga
- PA4642** **Remarkable diversity in the geographic distribution of NTM species in Bursa, Turkey: Analysis of nontuberculous mycobacterial pulmonary disease in a two years retrospective cohort**
Aslı Görek Dilektaşlı (Bursa, Turkey), Gorkem Baydogan Turkan, Ezgi Demirdogen, Tulay Bulut, Ahmet Ursavas, Funda Coskun, Cüneyt Özakin, Halis Akalin, Mehmet Karadag
- PA4643** **Identification of nontuberculous mycobacteria (NTM) isolated from patients from the TB hospital**
Natalya Ereemeeva (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Kseniya Belousova, Tatyana Umpeleva, Diana Vakhrusheva, Ludmila Golubeva, Leonid Lavrechuk
- PA4644** **Nontuberculous mycobacterial co-infection in HIV-negative patients with pulmonary tuberculosis**
Igor E. Stepanyan (Moscow, Russian Federation), Anna S. Zaytseva, Tatevick R. Bagdasaryan, Elena E. Larionova, Tatyana G. Smirnova, Sophya N. Andreevskaya, Larisa N. Chernousova, Atadzhan E. Ergeshov
- PA4645** **Cure rates in nontuberculous mycobacterial pulmonary disease**
Mateja Jankovic Makek (Zagreb, Croatia), Goran Glodic, Ivan Sabol, Ljiljana Zmak, Ana-Marija Sola, Ante Marusic, Ivana Marekovic, Ana Hecimovic, Andrea Vukic Dugac, Fedja Dzubur, Marko Jakopovic, Brigita Ticac, Ljiljana Kardum Bulat, Sanja Popovic Grle, Blazenka Barisic, Vesna Carevic Vlastic, Drazen Strelec, Gordana Pavlisa, Miroslav Samarzija
- PA4646** **Pleural tuberculosis: diagnostic approach**
Achraf Ben Tkhatat, Hanan Smadhi, Hadhemi Rejeb, Hela Kammoun, Ines Akrouf, Dorra Greb, Hajer Ben Abdelghaffar, Hela Hassen, Leila Fekih, Mohamed Lamine Megdiche
- PA4647** **Spontaneous pneumothorax secondary to tuberculosis: a retrospective study of 81 patients**
Katsuyuki Higa (kiyose, Japan), Ryota Sato, Keita Takeda, Kaoru Watanabe, Miki Ikeda, Maho Suzukawa, Masahiro Kawashima, Nobuharu Ohshima, Akira Yamane, Atsuhisa Tamura, Hideaki Nagai, Hirotohi Matsui, Shigeto Tohma

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Session 468

12:50 - 14:40

Thematic poster: Symptoms, risks, complications and palliative care in thoracic oncology

Disease(s) : Thoracic oncology

Method(s) : General respiratory patient care Imaging Palliative care Epidemiology Public health Surgery

Chairs : Rainer G. Wiewrodt (Münster, Germany), Dragana M. Jovanovi (Beograd, Republic of Serbia), Wouter H. van Geffen (Leeuwarden, Netherlands)

- PA4648** **Patient satisfaction and perception of indwelling pleural catheters**
Sarah Jane Messeder (Aberdeen, United Kingdom), Megan Thomson, Graeme Currie, Mahendran Chetty

- PA4649** **Coping strategy influences quality of life in patients with advanced lung cancer**
Ann-Marie Morel (Bornem, Belgium), Annelies Janssens, Sofie Derijcke, Danny Galdermans, Veerle Surmont, Els De Droogh, Anneke Lefebure, Erika Saenen, Elke Vandenbroucke, Anna Sadowska, Jan Van Meerbeek

PA4650	Quality of life assessment in advanced stage of lung cancer patients before and after chemotherapy RAMNIWAS NA (JODHPUR, India), Jagdish Chander Suri, Shibdas Chakrabarti, Manas Kamal Sen, Rajani Kumawat, Gopal Chawla
PA4651	Psychosocial consequences of receiving a lung cancer diagnosis by telephone versus in an outpatient clinic. A pragmatic randomized trial. Uffe Bodtger (Naestved, Denmark), Kristoffer Marsaa, John Brodersen, Volkert Siersma, Christine Winther Bang, Asbjørn Høegholm
PA4652	Correlation between Performance Status (PS) assessment between clinicians and oncologists in a United Kingdom (UK) District General Hospital (DGH) Lung cancer service Abdi Ali (Wrexham (Clwyd), United Kingdom), Javed Ibrahim, Abigail Mackintosh, Jessica Olanrewaju, Nawaid Ahmad, Annabel Makan, Harmesh Moudgil, Koottalai Srinivasan, Emma Crawford
PA4653	The effect of nutritional indicators on prognosis of patients with advanced lung cancer Güntülü Ak (Eskişehir, Turkey), Selma Metintas, Busra Gul, Filiz Bogar, Senay Yilmaz, Muzaffer Metintas
PA4654	Correlation of the independent Performance Status (PS) assessment of patients in a lung cancer clinic in a United Kingdom (UK) hospital between doctors, nurses and the patients' self-assessment Abdi Ali (Wrexham (Clwyd), United Kingdom), Javed Ibrahim, Kiran Bhatia, Heidi Thomason, Julia Mcadam, Annabel Makan, Harmesh Moudgil, Nawaid Ahmad, Emma Crawford, Koottalai Srinivasan
PA4655	Factors associated with altered quality of life among lung cancer patients (Preliminary study) Houda Rouis (Ariana, Tunisia), Baraa Ben Bdira, Sana Aissa, Wafa Benzarti, Asma Knaz, Abdelaziz Hayouni, Ahmed Abdelghani, Abdelhamid Garrouch, Mohamed Benzarti, Imen Gargouri
PA4656	Lent score and informed management decisions in malignant pleural effusions (MPE). When is little too much? Georgia Hardavella (London, United Kingdom), Maria Dimitra Xigki, Ioannis Karampinis, Anna Tzonou, Ilias Kainis
PA4657	The Effect of Lipid Profile and Obesity on the Grade of Neutropenia in Patients with Small Cell Lung Cancer Treated with Etoposide-Cisplatin as First Regimen. Taeyun Kim (Busan, Republic of Korea), Hyunji Choi, Jehun Kim, Hyo-Jung Kim, Chul-Ho Oak, Tae-Won Jang, Maan-Hong Jung
PA4658	Treatment tolerance and survival in elderly patients with stage IV non-small cell lung cancer (NSCLC) Rolof G.P. Gijtenbeek (Leeuwarden, Netherlands), Gea Helfrich, Ben J.W. Venmans, Anneke Ten Brinke, Kim De Jong, Wouter H. Van Geffen
PA4659	Comparison of risk prediction scores for venous thromboembolism in lung cancer patients: a retrospective cohort study Houda Rouis (Ariana, Tunisia), Hela Kamoun, Hadhemi Rjeb, Achraf Ben Tkhatat, Hanene Smadhi, Hajer Ben Abdelghaffar, Dorra Greb, Ines Akrouf, Hela Hassene, Leila Fekih, Mohamed Lamine Megdiche
PA4660	Thromboembolic events in lung cancer patients treated with platinum-based chemotherapy Houda Rouis (Ariana, Tunisia), Hela Kamoun, Hadhemi Rejeb, Achraf Ben Tkhatat, Hanen Smadhi, Dorra Greb, Hajer Ben Abdelghaffar, Ines Akrouf, Hela Hassene, Leila Fekih, Mohamed Lamine Megdiche
PA4661	Higher Age Puts Lung-Cancer Patients at Risk for Not Receiving Anti-cancer Treatment Won-Il Choi (Daegu, Republic of Korea), Choong Won Lee
PA4662	Two-stage treatment of non-small cell lung cancer (NSCLC) in patients with severe coronary heart disease. Aleksy Reshetov (St. Petersburg, Russian Federation), German Nikolaev, Aleksy Elkin, Sergey Snepanov, Dmitriy Ermakov, Vasily Klimentko
PA4663	Consequences of Lung Cancer: Mortality and Comorbidity in Danish Patients with Lung Cancer 1998-2010 Anja Gouliaev (Viby J, Denmark), Ole Hilberg, Anders Løkke
PA4664	Eosinophilia in lung cancer patients treated with immunotherapy Adelaide Alves (Espinho, Portugal), Inês Sucena, Margarida Dias, Daniel Coutinho, Eloisa Silva, Telma Costa, Sara Conde, Ana Barroso, Sérgio Campainha
PA4665	Predictors of immunotherapy induced immune-related adverse events Margarida Barata (Lisboa, Portugal), Gabriela Santos, Helena Grumete, Miguel Lopes, Dolores Canário, José Duarte
PA4666	Worse lung cancer outcome in patients with lower respiratory tract infection confirmed at the time of diagnosis Attila Nagy (Budapest, Hungary), Abigel Kolonics-Farkas, Noemi Eszes, Krisztina Vincze, Veronika Muller
PA4667	Upper limbs exercise capacity in high-risk patients undergoing lung resection Janet Rodriguez Torres (Granada, Spain), Florencio Quero-Valenzuela, Inmaculada Piedra-Fernández, Alejandro Heredia-Ciuró, Laura López-López, Marie Carmen Valenza

TP-39

Session 469

12:50 - 14:40

Thematic poster: Thoracic oncology: Treatment, diagnostic options and biology

Disease(s) : Thoracic oncology

Method(s) : General respiratory patient care Endoscopy and interventional pulmonology Cell and molecular biology Surgery
Pulmonary function testing Epidemiology Imaging Respiratory intensive care

Chairs : Fernando Gamarra (Straubing, Germany), Adam Szepechki ski (Warszawa, Poland), Diego Kauffmann-guerrero (Munich, Germany), Iwona Kwiecie (Warszawa, Poland)

PA4669 The efficacy of Ado-trastuzumab emtansine in HER-2 aberrant non-small cell lung cancer
Yang Xia, Xiu Huang, Rui Jin, Wen Li, Huahao Shen

PA4670 Completion pneumectomy is a safe procedure for non-small cell lung cancer
Sophie Guinard (Strasbourg, France), Anne , Marc , Joseph Seitlinger, Pierre Emmanuel , Gilbert Massard

PA4671 SCLC stage limited and very limited Disease with and without operation
Mehyar Lavac-Mokhtari (Ibbenbueren, Germany), Ali Akil, Deborrah Wehde, Michael Semik, Stefan Fischer, Nicolas Dickgreber

PA4672 Comparison of different treatment modalities of NSCLC with chest wall infiltration - a retrospective monocentric observational Study
Ina Jovanovic (Berlin, Germany), Torsten Gerriet Blum, Jens Kollmeier, Daniel Misch, Thomas Mairinger, Anna Streubel, Susanne Stephan-Falkenau, Gregor Förster, Lutz Moser, Torsten Bauer, Joachim Pfannschmidt

PA4673 Molecular testing in central lung cancer – endobronchial ultrasound-guided transbronchial needle aspiration and circulating tumor DNA analysis compared to endobronchial forceps biopsy
Lars Hagmeyer (Haan, Germany), Stephan Schäfer, Jana Fassunke, Anja Pietzke-Calcagnile, Marcel Tremel, Simon Herkenrath, Reinhard Büttner, Winfried Randerath

PA4674 Location of three mediastinal lymph node stations in a three-dimensional model.
Øyvind Yksnøy (Ålesund, Norway), Dag Arne Lihaug Hoff, Bjørn Henning Grønberg, Sveinung Sørhaug, Kjetil Roth

PA4675 Chronotropic incompetence in patients before lung cancer surgery
Milan Sova (Olomouc, Czech Republic), Amjad Ghazal Asswad , Samuel Genzor, Vitezslav Kolek

PA4676 Role of Elastography during EBUS-TBNA in the determination of lymph node rigidity as a predictive tool of malignancy and benignity
Cristiano Cesaro (Giugliano in Campania (NA), Italy), Carmine Guarino, Enzo Zamparelli, Ilaria Pedicelli, Nicola De Rosa, Giuseppe La Cerra

PA4677 Mediastinal Lymph node echographic morphology for the prediction of malignancy in EBUS-TBNA
Filipa Aguiar (Paredes, Portugal), Francisco Viana Machado, Gabriela Fernandes, Adriana Magalhães

PA4678 Implementation of PD-L1 analysis among patients with non-small cell lung cancer in a single center.
Dionisios G. Spyrtos (Thessaloniki, Greece), Ioanna Tsiouprou, Valentina Tsartsianidou, Sophia Lampaki, Ellada Eleftheriadou, Kalliopi Domvri, Theodoros Kontakiotis

PA4680 Performance of ROS1 fusion gene test using FFPE tissue and bronchoscopic cytologic specimen
Kosuke Tsuji (Sapporo, Japan), Naofumi Shinagawa, Hidenori Kitai, Tomoo Ikari, Mineyoshi Sato, Hirofumi Takahashi, Mamoru Kunisaki, Tetsuaki Shoji, Yuta Takashima, Megumi Furuta, Hidenori Mizugaki, Hajime Asahina, Junko Kikuchi, Eiki Kikuchi, Yuko Oi, Satoko Nakajo, Kanako Hatanaka, Yutaka Hatanaka, Yoshihiro Matsuno, Jun Sakakibara

PA4681 Preliminary diagnostic performance of probe-based confocal laser endomicroscopy for peripheral pulmonary nodules, a multicenter prospective registry trial
Islam Shaheen (Augusta, United States of America), David Wilson, Robert Browning, Douglas Arenberg, Aline CRITON, Sandhya Khurana, Michael Nead, Robert Holladay, Adam Wellikoff

PA4682 The utility of Endobronchial Ultrasound-Transbronchial Needle Aspiration (EBUS-TBNA) in Programmed Death Ligand-1 (PDL-1) analysis of Non-Small Cell Lung Cancer (NSCLC)
Fawad Hameed (Oxford, United Kingdom), Alastair Moore, Anny Sykes, John Wrightson

PA4683 Mutational status of advanced lung adenocarcinoma in a Portuguese cohort
Josué Pinto (Porto, Portugal), Catarina Sousa, Natália Martins, Sofia Teixeira, Adriana Magalhães, Gabriela Fernandes, Venceslau Hespagnol, Henrique Queiroga, Hélder Novais E Bastos

PA4684 Characterization of Patients with KRAS-Mutated Advanced Non-Small Cell Lung Cancer
Catarina C. Sousa (Lordelo, Portugal), Josué Pinto, Natália Martins, Sofia Teixeira, Adriana Magalhães, Gabriela Fernandes, Venceslau Hespagnol, Henrique Queiroga, Helder Novais Bastos

PA4685 Hippo Effector YAP regulates Autophagy key effector p62 in Lung Adenocarcinoma
Yoonjoo Kim (Daejeon, Republic of Korea), Chaeuk Chung, Ju Ock Kim, Dong Il Park, Dahye Lee, Jeong Eun Lee, Hee Sun Park, Da Hyun Kang

PA4686 CDCA promotes non-small-cell lung cancer (NSCLC) migration by regulating Akt/Erk1/2 signaling pathways
Xueqing Liu (Shanghai, China), Shan Xue, Handong Jiang

TP-40

Session 470

12:50 - 14:40

Thematic poster: Biomarkers of idiopathic interstitial pneumonia

Disease(s) : [Interstitial lung diseases](#)

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology General respiratory patient care Imaging Epidemiology Pulmonary function testing Physiology

Chairs : Phil Molyneaux (London, United Kingdom), Sabina A. Guler (Bern, Switzerland), Paolo Spagnolo (Padova (PD), Italy), Claus Neurohr (München, Germany)

PA4687 Validation of the IPF-specific version of St. George's Respiratory Questionnaire in Danish
Bastian Skovhus Prior (Egå, Denmark), Nils Hoyer, Saher Shaker, Jesper Rømhild Davidsen, Janelle Yorke, Ole Hilberg, Elisabeth Bendstrup

PA4688 Galactomannans in bronchoalveolar lavage of patients with Idiopathic Pulmonary Fibrosis (IPF): a possible marker of disease progression.
Francesco Cavalli (Roma (RM), Italy), Ermanno Puxeddu, Giovanni Croce, Gabriella Pezzuto, Paola Rogliani

PA4689 Lung biopsy in patients with suspected idiopathic pulmonary fibrosis and probable interstitial pneumonia on the CT scan.
Lluisa Ramon Clar (Palma, Spain), Maria Isabel Luna Lopez, Belén Núñez Sánchez, Ernest Sala Llinàs, Cristina Oliver Terrassa, Juan Antonio Palmer Sancho, Cristina Gomez Bellvert, Angel Francisco Carvajal Carrasco, Jaume Sauleda Roig

PA4691 Temporal changes in mediastinal lymphadenopathy in patients with idiopathic pulmonary fibrosis
Katarina Pontoppidan (Southampton, United Kingdom), Katharine Vedwan, Sobana Battison, Christopher J. Brereton, Tim J.M. Wallis, Mark G. Jones, Sophie V. Fletcher

PA4692 Correlations between specific radiological patterns and survival in idiopathic pulmonary fibrosis
Minna Mononen (Kuopio, Finland), Hannu-Pekka Kettunen, Sanna Suoranta, Miia Kärkkäinen, Tuomas Selander, Minna Purokivi, Riitta Kaarteenaho

PA4693 Impact of a Bayesian approach on the diagnosis of Interstitial Lung Diseases
Voon Shiong Ronnie Tan (Singapore, Singapore), Sok Boon Tay, Felicia Teo, Pipetius Quah, Lynette Teo, Ching Ching Ong, Ju Ee Seet, Tow Keang Lim

PA4694 Evaluation of CD163 expression on alveolar macrophages from BAL of patients with Fibrotic Lung Diseases.
Eirini Vasarmidi (Heraklion (Crete), Greece), Eleni Bibaki, Chara Koutoulaki, Semeli Mastrodemou, Athina Trachalaki, Nikos Tzanakis, Eliza Tsitoura, Katerina Antoniou

PA4695 Plasma levels of circulating cell-free DNA are increased in idiopathic pulmonary fibrosis but do not correlate with disease severity
Marialuisa Bocchino (Napoli (NA), Italy), Umberto Malpelle, Domenico Galati, Serena Zanotta, Francesco Pepe, Pierlorenzo Pallante

PA4696 The role of lung ultrasonography in the assessment of idiopathic pulmonary fibrosis –correlation with HRCT finding
Milena Adina Man (Cluj-Napoca (Cluj), Romania), Bianca Domokos Gergely, Andrei Lesan, Doina Adina Todea, Carmen Monica Pop, Nicoleta Stefania Motoc

PA4697 Serum KL-6 as a biomarker for interstitial lung diseases in a clinical setting: application of a fully automated immunoassay.
Francesco Bonella (Düsseldorf, Germany), Balasz Hegedues, Sandra Langer, Fanny Honshoven, Eva Gottstein, Dirk Theegarten, Ulrich Costabel

PA4698 Systemic and local expression of Mitochondrial DNA and Periostin in IPF
Donato Lacedonia (Molfetta (BA), Italy), Piera Soccio, Giovanna Elisiana Carpagnano, Grazia Pia Palladino, Caccavo Incoronata, Filomena Simone, Rosalinda Termine, Silvia Romana Stornelli, Maria Pia Foschino-Barbaro

PA4699 The Latin American Idiopathic Pulmonary Fibrosis Registry (REFIPI): Baseline Characteristics
Ivette Buendia Roldán (México D.F, Mexico), Fabian Caro, Pablo Curbelo, Ronaldo Kairalla, Mayra Mejia, Lorena Noriega, Francisco Paulin, Alvaro Undurraga, Moises Selman, On Behalf Refipi Group

- PA4700 Dehydroepiandrosterone sulfate plasma levels correlate with lung function in patients with fibrotic interstitial lung disease in two independent cohorts.**
Sabina A. Guler (Bern, Switzerland), Manuela Funke-Chambour, Benjamin Tan, Pearce Wilcox, Janice Leung, Thomas Geiser, Christopher Ryerson
- PA4701 Lactate dehydrogenase as a biomarker of advanced disease in idiopathic pulmonary fibrosis**
Emilia K.A. Åttingsberg (København NV, Denmark), Nils Hoyer, Torgny Wilcke, Thomas Skovhus Prior, Elisabeth Bendstrup, Saher Shaker
- PA4702 Serum osteoprotegerin and fibulin-1 levels negatively correlate with DLCO in IPF**
Habibie Habibie (Groningen, Netherlands), Janette Burgess, Marissa Wisman, Marnix Jonker, Mirjam Kool, Marlies Wijnsenbeek, Nicolas Kahn, Michael Kreuter, Barbro N. Melgert
- PA4703 Spirometric evaluation of idiopathic pulmonary fibrosis (IPF): forced or slow vital capacity?**
Juan José Rodríguez Moncalvo (Ciudad Autónoma Buenos Aires, Argentina), José Malet Ruiz, Marcelo Mastroianni, Marina Khoury, Fabian Caro
- PA4704 Change in serum surfactant protein (SP)-A, SP-D and KL-6 predict the therapeutic effect of antifibrotic drugs in IPF.**
Takumi Yoshikawa (Sapporo, Japan), Mitsuo Otsuka, Kimiyuki Ikeda, Yuki Mori, Yasuaki Umeda, Hirotaka Nishikiori, Satsuki Miyajima, Mamoru Takahashi, Koji Kuronuma, Hirofumi Chiba, Hiroki Takahashi
- PA4705 Distinct profiles of Th1 and Th2 cytokines in patients with IPF, CTD-ILD, and IPAF**
Masami Kameda (Sapporo, Japan), Mitsuo Otsuka, Takehiro Hasegawa, Takumi Yoshikawa, Tomofumi Kobayashi, Yasuaki Umeda, Maho Yoshida, Takami Kondo, Takashi Aritsu, Koji Kuronuma, Hirofumi Chiba, Hiroki Takahashi
- PA4706 Matrix metalloproteinases, as markers of the severity of idiopathic pulmonary fibrosis**
Kateryna Gashynova (Dnipro, Ukraine), Victoria Rodionova, Oksana Karasyova, Olga Shaulska, Olena Khmel

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Session 471

12:50 - 14:40

Thematic poster: Interstitial lung disease registries

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#)

Method(s) : Epidemiology Public health General respiratory patient care Pulmonary function testing Endoscopy and interventional pulmonology Imaging Surgery

Chairs : Claudia Valenzuela (Madrid, Spain), Fernanda Ines Hernandez Gonzalez (Barcelona, Spain), Martina Vasakova (Praha 4, Czech Republic), Veronika Müller (Budapest, Hungary)

- PA4707 Best tolerated dose of Pirfenidone in patients with idiopathic pulmonary fibrosis**
Prashant Nemichand Chhajed (Mumbai, India), Neha Agrawal, Preyas J Vaidya, Vinod B Chavhan, Tejashree T Lele, Anne Leuppi-Taegtmeier, Joerg D Leuppi
- PA4708 Clinical course of IPF Italian patients during 12-month of observation: results from the FIBRONET observational study**
Venerino Poletti (Forli, Italy), Carlo Vancheri, Carlo Albera, Sergio Harari, Alberto Pesci, Paola Rottoli, Benedetta Campolo, De Santi Lorenzo, Roncari Barbara On Behalf Of Fibronet Study Group
- PA4709 Real-life experience of familial fibrosis in a Belgian university**
Anne-sophie Petit (Woluwe-Saint-Lambert, Belgium), Caroline Dahlqvist, Anne De Leener, Caroline Kannengiesser, Raphaël Borie, Antoine Froidure
- PA4710 PFBIO — a prospective longitudinal IPF cohort**
Nils Hoyer (København NV, Denmark), Thomas Skovhus Prior, Elisabeth Bendstrup, Torgny Wilcke, Saher Burhan Shaker
- PA4711 A registry of patients with idiopathic pulmonary fibrosis in Russia: 2-yr results and therapeutic modalities in real-life practice**
Svetlana Yu. Chikina (Moscow, Russian Federation), Sergey Avdeev, Andrey Belevsky, Alexander Cherniak, Natalia Kravchenko
- PA4712 Revised UIP/IPF diagnoses after the 2018 international guidelines: a 15-year Padova-Strasbourg experience**
Fiorella Calabrese (Padova (PD), Italy), Francesca Lunardi, Elisabetta Balestro, Elisabetta Cocconcelli, Chiara Giraudo, Roberta Polverosi, Eleonora Faccioli, Federico Rea, Antonin Fattori, Marie-Pierrette Chenard, Mickael Ohana, Aissam Labani, Romain Kessler, Sandrine Hirschi
- PA4713 Autoantibodies in patients with idiopathic pulmonary fibrosis**
Dimitrios Kalafatis (Stockholm, Sweden), Ida Pesonen, Lisa Carlson, Giovanni Ferrara, Magnus Sköld

- PA4714 Clinical meaning of IPAF in a real-life cohort of IPF patients**
Silvia Puglisi (Catania (CT), Italy), Sara Tomassetti, Marcello Bosi, Claudia Ravaglia, Antonella Arcadu, Agnese Caringella, Laura Bivona, Martina Marchi, Aurora Mendez, Filipa Carrico, Carlo Gurioli, Luca Donati, Sara Piciocchi, Alessandra Dubini, Venerino Poletti
- PA4715 Experience in PIBO in our center**
Garcia Del Cerro Gemma (Barcelona, Spain), , Ines De Mir Messa, Laura Garriga Grimau, Silvia Gartner Tizzano, Ignacio Iglesias Serrano, Sandra Rovira Amigo, Alba Torrent Vernetta, Antonio Moreno Galdo
- PA4716 Longitudinal observation of idiopathic pulmonary fibrosis (IPF) patients cohort from one center in Poland.**
Katarzyna B. Lewandowska (Warszawa, Poland), Piotr Radwan-Rohrschef, Malgorzata Sobiecka, Malgorzata Bartosiewicz, Izabela Siemion-Szczesniak, Stefan Wesolowski, Iwona Bestry, Agata Gladzka, Dorota Klatka, Jan Kus
- PA4717 Idiopathic Pulmonary Fibrosis: mortality trends in Chile**
Laura Hispania Mendoza Inzunza (Santiago, Chile), Gabriel Cavada, Patricia Matus , Nicolás Valdés
- PA4718 Unclassifiable interstitial lung disease: predictive factors of mortality and radiologic features**
Daniel Oliveira Reis (Ovar, Portugal), Pedro Melo, Inês Marques, Agostinho Sanches, Carla Nogueira, Sérgio Campinha, Sofia Neves
- PA4719 The utilization pattern of surgical lung biopsies (SLB) for the diagnosis of interstitial lung diseases (ILD) in Sri Lanka**
Amila Rathnapala (Minuwangoda, Sri Lanka), S Wickramasinghe, D Tilakaratne, H Chreif, S Palihawadana, D Handagala, E Perera, S Kularatne, B Gunasena, R Punchihewa
- PA4720 Long-term overall survival and progression-free survival in idiopathic pulmonary fibrosis treated by pirfenidone or nintedanib or their switch. Real world data from the EMPIRE registry.**
Martina Vasakova (Praha 4, Czech Republic), Martina Sterclova, Nesrin Mogulkoc, Katerzyna Lawandowska, Veronika Müller, Marta Hajkova, Dragana Jovanovic, Jasna Tekavec-Trkanjec, Mordechai Kramer, Michael Studnicka, Natalia Stoeva, Simona Littnerova, Karel Hejduk, Ladislav Dusek
- PA4721 Healthcare resource utilization and direct costs of interstitial lung disease management in Germany**
Phillen Nozibuyiso Maqhuzu (Neuherberg, Germany), Larissa Schwarzkopf, Michael Kreuter
- PA4722 Health-related quality of life development in IPF versus other ILD – the HILDA study**
Phillen Nozibuyiso Maqhuzu (Neuherberg, Germany), Boglárka Szentes, Michael Kreuter, Thomas Bahmer, Martin Claussen, Larissa Schwarzkopf
- PA4723 DANILDA – The First Danish National Interstitial Lung Disease Registry**
Jesper Rømhild Davidsen (Odense C, Denmark), Elisabeth Bendstrup, Annemette Korsbek Yde, Charlotte Hyldgaard, Saher Shaker
- PA4724 SURVIVAL OF THE IDIOPATHIC PULMONARY FIBROSIS (IPF) IN SPAIN. NATIONAL SEPAR REGISTRY**
Sherlyne Vanessa Jaimes Diaz (Valencia, Spain), José Antonio Rodríguez Portal, Estrella Fernández Fabrellas, Myriam Aburto Barrenetxea, Claudia Valenzuela Valenzuela, Lurdes Planas Cerezales, Raquel García Sevilla, Elena Bollo De Miguel, Susana Herrera Lara, José María González Ruiz, Rafaela Sánchez Simón
- PA4725 Treatment and survival diversities in different forms of ILD in Germany - EXCITING registry**
Michael Kreuter (Heidelberg, Germany), Hans-Joachim Kabitz , Lars Hagemeyer, Peter Hammerl, Albert Esselmann, Conrad Wiederhold, Dirk Skowasch, Christoph Stolpe, Marcus Joest, Stefan Veitshans, Phillen Maqhuzu, Larissa Schwarzkopf, Andreas Hellmann, Michael Pfeifer, Jürgen Behr, Dagmar Kauschka, Andreas Günther, Felix J. F. Herth, Philipp Markart

TP-42

Session 472

12:50 - 14:40

Thematic poster: Assessment and management of immune-mediated interstitial lung diseases

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#)

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Epidemiology Public health Pulmonary function testing Imaging Cell and molecular biology Surgery Respiratory intensive care Pulmonary rehabilitation

Chairs : Vasileios Kouranos (London, United Kingdom), Martina Bonifazi (Ancona (AN), Italy), Elena Bargagli (Siena, Italy), Veronica Alfieri (Parma (PR), Italy)

- PA4726 Introduction of a new approach to interpret pulmonary function tests (PFT) based on Machine learning and Game theory**
NHAT-NAM LE-DONG (Sorinnes, Belgium), Thong Hua-Huy, Marko Topalovic, Anh-Tuan Dinh-Xuan

- PA4727 A translational value of pulmonary function tests in a mouse model of bleomycin-induced pulmonary fibrosis: effects of approved therapies Nintedanib and Pirfenidone**
Željka Anzulović Šanta (Zagreb, Croatia), Maja Antolić, Anja Ognjenović, Snježana Čužić, Ines Glojnarić, Boška Hrvaić

- PA4728 A comparison of existing questionnaires for identifying the causes of interstitial and rare lung diseases**
Markus Polke (Heidelberg, Germany), Detlef Kirsten, Birgit Teucher, Ulrich Costabel, Felix Herth, Michael Kreuter
-
- PA4729 Transbronchial Cryobiopsy Validity in Diagnosing Indefinite Usual Interstitial Pneumonia in High Resolution Computed Tomography in Egyptian Population**
Hanaa Shafiek (Alexandria, Egypt), Shaimaa Elbially, Samar Elachy, Ahmed Gad
-
- PA4730 Predictors of pulmonary-functional decline in systemic sclerosis: A university hospital experience**
Eva Ailín Vallejos, Federico Felder, Sebastian Leiva, Juan Ignacio Enghelmayer, Ramiro Gómez, Pamela Rossi, Federico Zenón, Gabriela Legarreta, Silvana Acuña, Mariano Volpacchio, Speaker to be confirmed
-
- PA4731 Dose adjustments in the SENSICIS trial of nintedanib in patients with systemic sclerosis-associated ILD (SSc-ILD)**
Kristin B. Highland (Cleveland, United States of America), Masataka Kuwana, Arata Azuma, Aryeh Fischer, Toby M. Maher, Maureen D. Mayes, Ganesh Raghu, Mannaig Girard, Veronika Kohlbrenner, Emmanuelle Clerisme-Beaty, Margarida Alves, Oliver Distler
-
- PA4732 Longitudinal cost of care in individuals with different subtypes of interstitial lung diseases**
Larissa Schwarzkopf (Neuherberg, Germany), Sabine Witt, Julia Wälscher, Michael Kreuter
-
- PA4733 Antifibrotic treatment in 18 patients with chronic Hypersensitivity Pneumonitis**
Vasilios Tzilas (Athens, Greece), Argyrios Tzouvelekis, Evangelos Bouros, Matthew Katsaras, Maria Ntassiou, Theodoros Karampitsakos, Demosthenes Bouros
-
- PA4734 Evaluation of drug-induced lung injury by ALK inhibitor: a single center retrospective analysis**
Ken Koshikawa (Chiba, Japan), Jiro Terada, Mitsuhiro Abe, Shunichiro Iwasawa, Masashi Sakayori, Kenji Tsushima, Koichiro Tatsumi
-
- PA4735 A comparison of health-related quality of life in IPF and systemic sclerosis-related ILD**
Tone Bjørg Sjøheim (Oslo, Norway), Anna-Maria Hoffman-Vold, Tomas Mikal Eagan, Arnt-Ove Hovden, May Brit Lund, Gisle Bjerke, Trygve Müller Jonassen, Odd Erik Johansen, Michael Thomas Durheim
-
- PA4737 Hypersensitivity Pneumonitis in North Indian population**
Ankit Kumar Sinha (Ghaziabad (Uttar Pradesh), India)
-
- PA4738 A Combined Rheumatology/ILD Service. The Wolverhampton Experience**
Ahsan Zahid (Stoke-on-Trent, United Kingdom), Paren Chohan, Tom Sheeran, Ahmed Fahim
-
- PA4739 Acute exacerbation admissions of fibrosing interstitial lung diseases – 3 years study**
Sónia Isabel Silva Guerra (Viseu, Portugal), Mariana Conceição, Ângela Cunha, Joana Correia, Jorge Vale, Carla António, António Simões Torres
-
- PA4740 An observational study on effectiveness of azathioprine in treatment of interstitial lung disease secondary to connective tissue disease**
MohammadMahdi Saeidinejad (Manchester, United Kingdom), Sandosh Gnanalingam, Abdul Ashish
-
- PA4741 The potential role of antimicrobial peptides from wasp as regulators of the fibrotic process in idiopathic pulmonary fibrosis.**
Luísa Coutinho Coelho (Brasília, Brazil), Karina Smidt Simon, Cesar Augusto Melo-Silva, Paulo Henrique De Holanda Veloso Junior, João Paulo Figueiró Longo, Leonora Maciel Sousa Vianna, Veronica Moreira Amado, Márcia Renata Mortari, Anamélia Lorenzetti Bocca
-
- PA4742 Features and functional deterioration in interstitial lung disease (ILD) associated to rheumatoid arthritis (RA)**
M^a Asuncion Nieto Barbero (Madrid, Spain), Cristina Vadillo, Fernando Pelaez, Ana Palomar, Lydia Abasolo
-
- PA4743 The role of Surgical Lung Biopsy in Interstitial Lung Diseases. Is it mandatory in this time of multiple diagnostic procedures? Analysis of 186 patients surgically treated.**
Stefano Sanna (Forlì, Italy), Desideria Argnani, Marta Mengozzi, Anna Mariantonia Parisi, Sara Tommasetti, Venerino Poletti, Franco Stella
-
- PA4744 Multicentric Latin American study of 211 patients with Interstitial lung disease and myositis related antibodies**
Felipe Reyes (Peñalolén, Chile), Veronica Wolff, Laura Alberti, Ernesto Juarez, Victor Leiva, Leandro Fassola, Mayra Mejia, Ivette Buendia, Fabian Caro, Jorge Rojas Serrano, Francisco Paulin, Matias Florenzano

TP-43

Session 473

12:50 - 14:40

Thematic poster: Pulmonary hypertension: clinical

Disease(s) : Pulmonary vascular diseases Interstitial lung diseases

Method(s) : Epidemiology Physiology Public health Pulmonary function testing Imaging General respiratory patient care Pulmonary rehabilitation

Chairs : Sandeep Sahay (Houston, United States of America), S. John Wort (London, United Kingdom), Joan Albert Barberà (Barcelona, Spain), Olivier Sitbon (Le Kremlin-Bicêtre, France)

- PA4745** **Characteristics of Japanese elderly patients with pulmonary arterial hypertension**
Yukiko Takahashi (Chiba, Japan), Keiko Yamamoto, Nobuhiro Tanabe, Rika Suda, Akira Naito, Hajime Kasai, Rintaro Nishimura, Takayuk Jujo Sanada, Toshihiko Sugiura, Ayako Shigeta, Seiichiro Sakao, Koichiro Tatsumi
-
- PA4746** **Characteristics of patients treated for pulmonary arterial hypertension in real-world database representing a large US health plan**
Janis Prueett (South San Francisco, CA, United States of America), Michael Hull, Caitlin Elliott, Yuen Tsang, William Drake
-
- PA4747** **Impact of pulmonary hypertension (PH) on healthcare resource utilization and costs in patients with portal hypertension**
Sandeep Sahay (Houston, United States of America), Yuen Tsang, Megan Flynn, Robert Dufour, William Drake
-
- PA4748** **Safety, tolerability, pharmacokinetics and pharmacodynamics after repeated once or twice daily RVT-1201, a TPH inhibitor for treatment of PAH**
Stephen Wring (Durham, United States of America), Julie Rurka, Katelyn Crizer, Michelle Palacios, Michele Snyder, Laurence Keller, Philip Evans, David Carpenter
-
- PA4749** **A phase 1, single-center, open-label, dose-rising clinical trial to evaluate the pharmacokinetics, safety and tolerability of treprostinil inhalation powder (TreT) in healthy normal volunteers**
Peter Smith (RTP, United States of America), Peter Smith, Catherine Watkins, Kelly Kraft, Marshall Grant
-
- PA4750** **PULSAR: A phase 2, randomized, double-blind, placebo-controlled study to assess the efficacy and safety of sotatercept (ACE-011) when added to standard of care (SOC) for treatment of pulmonary arterial hypertension (PAH)**
David Badesch (Aurora, United States of America), Simon Gibbs, Mardi Gomberg-Maitland, Marc Humbert, Vallerie McLaughlin, Ioana Preston, Rogerio Souza, Aaron Waxman, Janethe De Oliveira Pena, Jennifer Barnes, Xioasha Zhang, Robert K. Zeldin
-
- PA4751** **Digoxin effect in mortality associated to right ventricular dysfunction in patients with pulmonary hypertension**
Huitzilhuilit Saucedo (Ciudad de México, Mexico), Nayeli Guadalupe Zayas-Hernandez, Julio César López-Flores, Tomas Pulido-Zamudio
-
- PA4752** **Hemodynamical effects of metformin and sildenafil in the treatment of experimental pulmonary hypertension**
Melissa Silva-Medina Weil (Cali, Colombia), Vicente Benavides, Santiago Castaño, Mauricio Palacios
-
- PA4753** **Evolution of patients with Pulmonary Arterial Hypertension (PAH) six months after an exercise training program**
Clara Martin Ontiyuelo (Sant Cugat del Vallès (Barcelona), Spain), Anna Rodó Pin, Isabel Blanco, Anna Herranz Blasco, Lluís Molina Ferragut, Lucilla Piccari, Joan Albert Barberà, Diego Agustín Rodríguez Chiaradía
-
- PA4754** **Physical activity levels in schistosomiasis associated-pulmonary arterial hypertension**
Denielli Da Silva Goncalves Bos (Sao Paulo, Brazil), Luciana Tamie Kato Morinaga, Rafael Taminato Hirata, Amanda Rocha Diniz Kimura, Ana Clara Tude Rodrigues, Jose Lazaro De Andrade, Rogerio De Souza, Celso R F Carvalho
-
- PA4755** **Heterogeneity in lung 18F-FDG uptake in precapillary pulmonary hypertension**
Jeisson Osorio Trujillo (Barcelona, Spain), Eduard Agustí-Camprubí, Iván Vollmer, Javier Pavia, Yolanda Torralba, Pilar Paredes, Olga Tura-Ceide, Laura Sebastián, Ana Ramírez, Víctor Peinado, Isabel Blanco, Joan Albert Barberà
-
- PA4756** **Platelets and pulmonary arterial hypertension (PAH)**
Caio Júlio Cesar Fernandes (São Paulo (SP), Brazil), Talita Oliveira, Daniela Calderaro, Bruna Piloto, Marcela Castro, Susana Hoette, Calos Jardim, Rogerio Souza
-
- PA4757** **A retrospective review of computed tomography (CT) findings in Eisenmenger Syndrome and their prognostic implications**
Sobitha Sathianandan (London, United Kingdom), Bhavin Rawal, Heba Nashat, Laura Price, Simon Padley, Kostas Dimopoulos, Tom Semple, John Wort
-
- PA4758** **Impact of ILD severity and subtype on outcomes in CTD-associated PAH**
Robert Hastings (Leamington Spa (Warwickshire), United Kingdom), Samir Mahboobani, Alexander Kempny, Kostantinos Dimopoulos, Colm McCabe, Anand Devaraj, Athol Wells, Stephen John Wort, Laura Price
-
- PA4759** **The role of cardiopulmonary exercise testing in assessment of the severity of patients with PAH associated with congenital heart disease.**
Svetlana Gratsianskaya (Moscow, Russian Federation), Zarina Valieva, Irina Taran, Tamila Martynyuk
-
- PA4760** **Prevalence and echocardiographic screening for pulmonary hypertension in liver transplantation recipients**
Junichi Nakamura (Sapporo, Japan), Hiroshi Ohira, Ayako Sugimoto, Toshitaka Nakaya, Naoko Suzuki, Akiko Hyashishita, Takahiro Sato, Taku Watanabe, Hiroyuki Iwano, Norio Kawamura, Tsuyoshi Shimamura, Ichizo Tsuzino

PA4761 Physician/patient reporting of depression/anxiety in a US pulmonary arterial hypertension population
Mark Small (Macclesfield (Cheshire), United Kingdom), Matt Hanson

PA4762 A decade of activity in treating patients with pulmonary arterial hypertension in Timisoara center
Ludmila Pîslaru (Ciacova (Judetul Timis), Romania), Nicoleta Sorina Bertici

PA4763 Survival analysis of PAH patients based on a multidimensional risk approach at baseline in Uruguay: 10 years of experience of a PH referral centre.
ANA INES GRUSS (Montevideo, Uruguay), Juan Grignola, Gabriela Pascal, Cecilia Chao, Juan Salisbury, Camila Bedo, Alejandra Coppola, Barbara Janssen, Pedro Trujillo, Pablo Curbelo

PA4764 Pulmonary hypertension in hereditary hemorrhagic telangiectasia is associated with multiple clinical conditions
Victor Margelidon-Cozzolino (Saint-Etienne, France), Vincent Cottin, Sophie Dupuis-Girod, Kais Ahmad, Julie Traclet, Jean-Charles Glérant, Jean-François Mornex, Ségolène Turquier

TP-44

Session 474

12:50 - 14:40

Thematic poster: Interventional pulmonology: endobronchial ultrasound-transbronchial needle aspiration

Disease(s) : Thoracic oncology Airway diseases Respiratory critical care

Method(s) : Endoscopy and interventional pulmonology Imaging

Chairs : Stefano Gasparini (Ancona (AN), Italy), Jouke T. Annema (Amsterdam, Netherlands), Nikolaos Koufos (Athens, Greece)

PA4765 The value of EBUS-TBNA in the diagnosis of lymphoma. The experience of a single centre from Romania
Marioara Simon (Cluj-Napoca (Cluj), Romania), Antonia Harangus, Lacramioara Toma, Ioan Simon

PA4766 EBUS-TBNA in patients with extra-pulmonary malignancies with thoracic lymphadenopathy
Ajay Ravi (Kochi (Kerala), India), Dhammdeep Kadam, Rajiv Goyal, Jeenam Shah, Sagar Raiya, Abhijit Ahuja, Anurag Deshpande, Ujjwal Sharma

PA4767 Development of a malignancy predicting score in EBUS-TBNA
Francisco Viana Machado (Porto, Portugal), Filipa Aguiar, Gabriela Fernandes, Adriana Magalhães

PA4768 Predictors of infectious complications of Endobronchial Ultrasonography with Transbronchial needle aspiration (EBUS-TBNA)
Filipe Gonçalves Dos Santos Carvalho (Barcelona, Spain), Pere Serra Mitjà, Juan Jimenez López, Ana Nuñez Ares, Laura Tomás López, Ignasi García Olivé, Carmen Centeno Clemente, Rachid Tazi Mezalek, José Sanz Santos, Raquel Lopez Martos, Sonia Margarita Baeza Mena, Jorge Abad Capa, Felipe Andreo Garcia

PA4769 Utility of Immunohistochemical markers on EBUS TBNA samples in Specific Diagnostic Subtyping and multiple gene analyses in Primary and Metastatic Lung Cancer – Indian Study
Umang C. Shah (Vadodara (Gujarat), India), Arpan C. Shah, Chandrakant M. Shah

PA4770 Does the new generation of Endobronchial Ultrasound Bronchoscopes open new horizons?
Alessandra Costagli (Essen, Germany), Faustina Funke, Rüdiger Karpf-Wissel, Jane Winantea, Kaid Darwiche

PA4771 Usefulness of endoscopic ultrasound performed by pulmonologists in lung cancer.
Juan A. Cascón Hernández (Salamanca, Spain), Rosa Cordovilla Pérez, Miguel Iglesias Heras, José María González Ruiz, Alberto Álvarez Delgado, Virginia Guevara Velázquez, Miguel Barrueco Ferrero

PA4772 The expanding role of endobronchial ultrasound in patients with centrally located intrapulmonary tumors
Jolanda C. Kuijvenhoven (Leeuwarden, Netherlands), Vanina Livi, Luca Morandi, A Cancellieri, Jouke Annema, Rocco Trisolini

PA4773 Negative predictive value of lung cancer staging by Endobronchial Ultrasound-guided Transbronchial Needle Aspiration
Maria Jacob (Porto, Portugal), Catarina Sousa, Vanessa Santos, Maria Sucena, Adriana Magalhães, Gabriela Fernandes

PA4775 The value of endosonographic criteria of lymph nodes in the differential diagnosis of the mediastinal lymphadenopathy
Igor Vasilev (St. Petersburg, Russian Federation), Ivan Zaitcev, Peter Ermakov, Peter Yablonskii

PA4776 A usefulness of 25G core needles for immunohistochemistry and molecular testing in lung cancer patients – a feasibility study
Maciej Gnass (Myślenice, Poland), Lucyna Rudnicka-Sosin, Jerzy Soja, Piotr Kocoń, Anna Soczek, Renata Saracka, Jarosław Kuźdzał, Artur Szlubowski

- PA4777** **EBUS Elastography in the diagnosis of lymphadenopathies: preliminary data from a single-centre experience**
Elisa Clivati (Torino (TO), Italy), Giacomo Bonizzoni, Davide Indelicati, Aleksandar Veljkovic, Luisella Righi, Valter Bernardi
- PA4778** **Feasibility of bronchoscopy for peripheral and mediastinal lesions as a single procedure**
Kohei Okafuji (Tokyo, Japan), Atsushi Kitamura, Ryosuke Imai, Hiroaki Kanemura, Ryosuke Tsugitomi, Yutaka Tomishima, Torahiko Jinta, Naoki Nishimura, Tomohide Tamura
- PA4779** **Endobronchial/ Endoscopic Ultrasound Examination and Rapid On-Site Evaluation- Experience In A UK Centre**
Prashanth Shetty (Aston Clinton, United Kingdom), Rahul Mogal, Andrew Barlow, Anthony Maddox
- PA4780** **Clinical utility of EBUS-TBNA sampling in the diagnosis of metastatic non-lung primary carcinoma at a UK teaching hospital**
Robert Gillott (Manchester (Greater Manchester), United Kingdom), Muhammad Noor, Durgesh Rana, Sarah Nash, David Shelton, Nadira Narine, Sakina Thiryayi, Haider Al-Najjar
- PA4781** **Endobronchial ultrasound guided transbronchial needle aspiration cytology and cellblock in evaluation of mediastinal lymphadenopathy in adults – An initial experience from Eastern India**
Mujeeb Rahman K. K. (Calicut (Kerala), India), Prashanta Raghav Mohapatra, Manoj Kumar Panigrahi, Sourin Bhuniya, Suvendu Purkait
- PA4782** **Endobronchial ultrasound trans-bronchial needle aspiration (EBUS-TBNA) in Malta – improving diagnostic yield in a low volume centre**
Michael Pace Bardon (Swieqi, Malta), Ian Said-Huntingford, Christopher Zammit, Sharon Psaila Balzan, Gerardine Saliba, Stephen Montefort, David Bilocca
- PA4783** **Comparison of tissue sampling through EBUS-TBNA with and without suction**
Arda Kiani (Tehran, Islamic Republic of Iran), Atefeh Abedini, Fatemeh Razavi, Alireza Kashefzadeh, Mihan Pourabdollah Toutkaboni, Behrooz Farzanegan
- PA4784** **The role of radial endobronchial ultrasound for peripheral lung cancer tissue sampling and prognostic biomarkers analysis – a single-center retrospective study**
Sonja Badovinac (Zagreb, Croatia), Lela Bitar, Mihovil Roglic, Marta Korsic, Silvana Smojver-Jezek, Bozica Vrabec Branica, Marko Jakopovic

TP-45

Session 475

12:50 - 14:40

Thematic poster: Interventional pulmonology: diagnostic techniques and obstructive airway disease

Disease(s) : [Airway diseases](#) [Pulmonary vascular diseases](#) [Thoracic oncology](#) [Interstitial lung diseases](#)

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Public health

Chairs : Pratibha Singhal (Mumbai (Maharashtra), India), Tudor Toma (London, United Kingdom), Rocco Trisolini (Bologna (BO), Italy), Gregoris Stratakos (Athens, Greece)

- PA4785** **Reliability of PD-L1 assays using small tissue samples compared with surgical specimens.**
INSU KIM (Busan, Republic of Korea), Jung Seop Eom, Min Ki Lee, Seyeon Park, Kyu Min Lee, Ji Yeon Roh, Hyun Sung Chung
- PA4786** **Diagnostic Value of Flexible Bronchoscopy in kidney transplant recipients.**
Elise Godeau (Paris, France), Christian Caillard, Gregoire Jolly, Astrid Bertier, Kinan El Husseini, Matthieu Salaun, Dominique Bertrand, Dominique Guerrot, Stephane Dominique, Elodie Lhuillier, Maxime Patout
- PA4787** **Nebulized Ipratropium Bromide Protects against Tracheal and Bronchial Secretion during Bronchoscopy: A Randomized Controlled Trial**
FAPING WANG (Chengdu, China), He Zheng, Yanlin Zhang, Hui Zhu, Jingyu Shi, Yunxiao Luo, Xiang Zhang, Hui Mao, Fengming Luo
- PA4788** **Role of rapid on site evaluation in preliminary diagnosis of pulmonary infection during bronchoscopy**
Weizhong Jin (Hangzhou (Zhejiang), China), Limin Wang
- PA4789** **THE ROLE OF FIBEROPTIC BRONCHOSCOPY PROCEDURES IN THE DIAGNOSTIC OF PULMONARY TUBERCULOSIS**
Catarina Antunes (Lisboa, Portugal), Joana Barbosa, Eva Brysch, Alexandre Almendra, Tiago Abreu, Leonor Mota, Julio Semedo, Cristina Bárbara
- PA4790** **Predictive variables to obtain a bronchoalveolar lavage of adequate quality in patients with interstitial lung diseases**
Pilar Rivera Ortega (Manchester, United Kingdom), Alexis Papadopoulos, Julie Martin, Christopher Craig, Andrew Cheng, Conal Hayton, Colm Leonard, Nazia Chaudhuri, Angeles Montero

- PA4791 Validation of the usage of tracheal aspiration considering children with lung disease**
Louise Andersen (Aarhus, Denmark), Hanne Verbert Olesen, Anne Helene Spannow, Sune Rubak
- PA4792 Effect of codeine (30mg) with paracetamol (650mg) on post bronchoscopy coughing –an open labeled placebo control trial**
Vijay Narain Tyagi (Meerut (Uttar Pradesh), India), Rahul Kathuria, Prashant Bendre, Shivkant Agarwal, Amit Garg
- PA4793 CT-guided percutaneous chest biopsy - diagnostic efficacy and complications: real life study**
Margarida Costa e Silva (Vila do Conde, Portugal), Pedro Melo, Diogo Rocha, Tiago Pereira, Ana Oliveira
- PA4794 Subaquale bronchoscopy(Quamquam sunt sub aqua, sub aqua videre possunt)**
Josef Aumiller (Hamburg, Germany), Christiane Meyer-Aumiller
- PA4795 The effectiveness of binaural beat audio on anxiety state in patients undergoing fiberoptic bronchoscopy: A prospective randomized controlled trial**
Pornchai Opartpunyasarn (Bangkok, Thailand), Nittha Oer-Areemitr, Pornpattana Vichitvejpaisal
- PA4796 Sedation with propofol in flexible bronchoscopy, security study**
Jose Rafael Teran Tinedo (Madrid, Spain), Alicia Oliva Ramos, Jose Javier García López, Elena Rodríguez Jimeno, Paola Benedetti, Maite Portas González, Luis Puente Maestu
- PA4797 Involvement of the respiratory tract in granulomatosis with polyangiitis - bronchoscopic point of view**
Nikolay Yanev (Pleven, Bulgaria), Dinko Valev, Dimitar Kostadinov
- PA4798 The Choice of lung biopsy method in the presence of limited focal lesions.**
Sergey Skorniyakov (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Anna Maltseva, Anna Tsvirenko, Roman Berdnikov, Diana Vakhruseva
- PA4799 EBUS AND ECONOMIC EVALUATION STUDIES: A LITERATURE REVIEW**
Joao Pedro Steinhauser Motta (Rio De Janeiro (RJ), Brazil), José Roberto Lapa E Silva, Ricardo Steffen
- PA4800 Endobronchial valve treatment in patients with severe emphysema due to alpha-1 antitrypsin deficiency.**
Antoine Delage (Saint-Lambert (QC), Canada), D Kyle Hogarth, Michael Zgoda, Michael Reed
- PA4801 Airway stents: a retrospective evaluation of indications, results and complications: In our 10-year experience.**
Efsun Gonca Uğur Chousein (Istanbul, Turkey), Mehmet Özgül, Erdoğan Çetinkaya, Ekrem Cengiz Seyhan, Demet Tutar, Güler Özgül, Deniz Doğan
- PA4802 Clinical outcomes and micro-costing of bronchial thermoplasty in severe asthma in the UK**
Lisa White (Bracknell (Berkshire), United Kingdom), Adel Mansur, Chiara Capobianco
- PA4803 Efficacy and safety of the 9mm intrabronchial valves (IBV) in patients with advanced emphysema**
Konstantina Kontogianni (Heidelberg, Germany), Arshang Valipour, Vasiliki Gerovasili, Daniela Gompelmann, Felix Jf. Herth, Ralf Eberhardt

TP-46

Session 476

12:50 - 14:40

Thematic poster: Imaging for prognostication and disease characterisation: 2019 update

Disease(s) : Pulmonary vascular diseases Airway diseases Thoracic oncology Interstitial lung diseases

Method(s) : General respiratory patient care Imaging Pulmonary function testing Surgery Epidemiology Cell and molecular biology Public health

Chairs : Simon Walsh (London, United Kingdom), Annemiek Snoeckx (Edegem (Antwerp), Belgium), Johan Coolen (Leuven, Belgium)

- PA4805 Assessment of disease progression in systemic sclerosis-associated interstitial lung disease (SSc-ILD) patients using Functional Respiratory Imaging (FRI)**
Johan Clukers (Antwerpen, Belgium), Kate Homer, Maarten Lanclus, Dennis Belmans, Cedric Van Holsbeke, Wifried De Backer, Jan De Backer, Dinesh Khanna
- PA4806 Computed-tomography-based radiomics features for staging of interstitial lung disease – transferability from experimental to human lung fibrosis - a proof-of-concept study**
Janine Schniering (Schlieren, Switzerland), Hubert Gabrys, Matthias Brunner, Oliver Distler, Matthias Guckenberger, Marta Bogowicz, Diem Vuong, Konstantina Karava, Cristina Müller, Thomas Frauenfelder, Stephanie Tanadini-Lang, Britta Maurer
- PA4807 Utility of computed tomography (CT) to predict need for early surgery and recurrence after first episode of primary spontaneous pneumothorax (PSP)**
Asif Mahmood Azam (Stoke On Trent, United Kingdom), Noman Qayyum, Ahsan Zahid, Qaiser Abdullah, Mohammed Haris, Muhammad Badar Ganaie

- PA4808 CT imaging-based study of ventilation heterogeneity in smokers :the respective roles of unequal lung expansion and peripheral lung structure.**
Sylvia Verbanck (Bruxelles, Belgium), Mathias Polfliet , Daniel Schuermans , Bart Ilsen , Johan De Mey , Eef Vanderhelst, Jef Vandemeulebroucke
- PA4809 Relationship between physical activity and quantitative inspiratory-to-expiratory CT imaging**
Tsunahiko Hirano (Ube, Japan), Takehiro Shiinoki, Yoshiaki Harada, Kazuki Matsuda, Sho Uehara, Kazuki Hamada, Ryo Suetake, Keiji Oishi, Yoshikazu Yamaji, Maki Asami, Nobutaka Edakuni, Kazuto Matsunaga
- PA4810 CT pulmonary vessel volume in ex-smokers with normal FEV1**
Grace Parraga (London (ON), Canada), Rachel L. Eddy, Andrew Westcott, Miranda Kirby, David McCormack
- PA4811 Fewer and smaller airways in COPD subjects measured by CT imaging**
Kristoffer Ostridge (Southampton (Hampshire), United Kingdom), Karlien Paas, Kerry Gove, Karl Staples, Tom Wilkinson
- PA4812 Visual assessment versus Quantitative densitometry by computed tomography for detection of mild emphysema.**
Mohammad Khalil (Gothenburg , Sweden), Jenny Vikgren, Kerstin Cederlund, Karen Sörensen, Marianne Boijesen, John Brandberg, Erik Lampa, C. Magnus Sköld, Per Wollmer, Eva Lindberg, Jan E Engvall, Göran Bergström, Ola Hjelmgren, Kjell Torén, Åse A Johnsson
- PA4813 CT pulmonary angiography-derived right atrial area can risk stratify patients with PAH and PH**
krit Dwivedi (Sheffield, United Kingdom), Christopher Johns, Ze M Goh, Smitha Rajaram, Catherine Hill, Kavita Karunasaagarar, Ben Currie, Matthew Chin, Robin Condliffe, David Kiely, Andrew Swift
- PA4814 Characterization of population's follow-up in a centralized lung nodule consultation**
Dinora Polanco Alonso (Tarragona, Spain), Marina Pardina, Rosa Plana, Sandra Bertran, Montserrat Molina, Silvia Barril, Silvia Gómez, Ferran Barbé
- PA4815 A low cost, easily implementable method of shortening patient pathways in imaging incidentally suspicious for lung malignancy**
Simon Biart (Liverpool, United Kingdom), Karen Clayton, Marta Babores, Joanna Gallagher, Thapas Nagarajan
- PA4816 Non-solid neoplastic nodules are associated with low PD L1 expression**
Giulia Maria Stella (Pavia (PV), Italy), Chandra Bortolotto , Filippo Antonacci , Roberto Dore , Manuela Coretti, Ciuffreda Antonio, Carnevale Sergio, Morbini Patrizia
- PA4817 Novel quantitative bronchiectasis scoring technique for chest computed tomography: BEST-CT. A study within the iABC project**
Harm Tiddens (Rotterdam, Netherlands), Jennifer Meerburg, Olivier Dragt, Mariette Kemner - Van De Corput, Eleni -Rosalina Andrinopoulou, Stuart Elborn, James Chalmers, Michael Tunney
- PA4818 The relationship of systolic pulmonary arterial pressure with pulmonary function test and the fractional exhaled nitric oxide level in Kyrgyz population.**
Kubatbek Muratali uulu (Bishkek, Kyrgyzstan), Meerim Cholponbaeva, Melisbek Duishobaev, Samat Satybaldiev, Jainagul Kerimbekova, Nadira Kushubakova, Nursultan Baktybek, Almaz Akunov, Argen Mamajakypov, Akylbek Sydykov, Abdurashid Maripov, Akpay Sarybaev
- PA4819 CT Halo sign - A systematic review and meta analysis**
Animesh Ray (Kolkata (West Bengal), India), Ankit Mittal, Surabhi Vyas
- PA4820 TO EVALUATE THE INTER AND INTRA OBSERVER AGREEMENT IN THE INITIAL DIAGNOSIS BY DIGITAL CHEST RADIOGRAPH SENT VIA WHATSAPP MESSENGER**
Sameer G Kotalwar (Nanded (Maharashtra), India), Ashish Kumar Prakash, Bornali Datta, Poulomi Chatterjee, Sandeep Mittal, Anand Jaiswal
- PA4821 FALSE POSITIVE PET CT IN NON-MALIGNANT PULMONARY LESIONS**
Nuri Tutar (Kayseri, Turkey), Sevim Yenigün, Fatma Sema Oymak, Inci Gülmez, Insu Yılmaz
- PA4822 Late Breaking Abstract - Lung deposition of two different ICS/LABA combinations with Dry Powder Inhaler (DPI) in asthmatic patients using Functional Respiratory Imaging (FRI).**
Benjamin Mignot (Antwerpen, Belgium), Dennis Belmans, Gianluigi Poli, Valentina Mongelli, Daniela Cocconi, Daniele Guastalla

TP-47

Session 477

12:50 - 14:40

Thematic poster: Use of thoracic ultrasound to diagnose lung diseases

Disease(s) : Respiratory critical care Airway diseases Thoracic oncology Interstitial lung diseases

Method(s) : Imaging Endoscopy and interventional pulmonology Transplantation General respiratory patient care Physiology
Respiratory intensive care Palliative care Pulmonary rehabilitation Public health

Chairs : Michiel J. Thomeer (Tielt (BT), Belgium), Søren Helbo Skaarup (Aarhus C, Denmark), Rachele Asciale (Oxford (Oxfordshire), United Kingdom), Pia Iben Pietersen (Odense C, Denmark)

PA4823	Lung Injuries of Acute chest syndrome in pediatric patients with sickle cell disease assessed by lung ultrasound Houmam El Jurdi (Paris , France), Mickael Shum, Ralph Epaud, Fouad Madhi, Celine Delestrain
PA4824	Prognostic role of ultrasonographic air bronchogram in management of pneumoniae in children. Riccardo Inchingolo (Roma (RM), Italy), Roberto Copetti, Rafael Emanuele Gerardi, Andrea Smargiassi, Emanuele Giovanni Conte, Giuseppe Maria Corbo, Antonio Gatto, Chiara Pierandrei, Lavinia Capossela, Ilaria Lazzareschi, Piero Valentini, Luca Richeldi
PA4825	Correlation of diaphragm mobility and thickness with anthropometric variables in mucopolysaccharidosis VI Bárbara Bernardo Figueirêdo (Recife, Brazil), Cyda Reinaux, Helen Kerlen Fuzari, Giovanna Domingues Cavalcanti, Cláudia Thaís Pinto, Paulo Magalhães, Armêlê Dornelas De Andrade
PA4826	EBUS strain elastography for predicting lymph node malignancy: standardization of assessment technique Erik H.F.M. van der Heijden (Nijmegen, Netherlands), Roel L.J. Verhoeven, Chris L. De Korte
PA4827	Possible role of chest ultrasonography for the evaluation of peripheral fibrotic changes in patients affected by IPF Andrea Smargiassi (Roma (RM), Italy), Riccardo Inchingolo, Francesco Lombardi, Angelo Calabrese, Matteo Siciliano, Gino Soldati, Luca Richeldi
PA4828	Lung ultrasound in children with pneumonia: inter-operator agreement on specific thoracic regions. Andressa Oliveira Peixoto (Campinas (SP), Brazil), Tiago Souza, Jose Nadal, Marcelo Brandão
PA4829	Focused lung ultrasound for diagnosing iatrogen pneumothorax after transbronchial lung cryobiopsy Niels Jacobsen (Odense, Denmark), Christian B. Laursen, Pia Iben Pietersen, Niels Jacobsen, Casper Falster, Jesper Rømhild Davidsen
PA4830	Rule of RUSH protocol in management of shocked patients Hamdy Ali Mahmoud (Naser City, Egypt), Gamal Mr Agamy, Azza M Ahmad, Esraa F Ahmad
PA4831	Transthoracic ultrasound in severe asthmatic patients: a pilot study. Anna Del Colle (Angiari, Italy), Maria Pia Foschino Barbaro, Giovanna Elisiana Carpagnano, Donato Lacedonia, Giulia Scioscia , Ernesto Giuffreda, Gaetano Rea, Enrico Buonamico, Marco Sperandeo
PA4832	Serial ultrasonographic evaluation of diaphragmatic and peripheral muscle thickness in mechanically ventilated COPD patients. Duaa Bahgat Abdelhamed Thabet (Assiut, Egypt), Maha Kamel Ghanem, Hoda Ahmed Makhlof, Ali A Hasan
PA4833	Ultrasound-guided lung biopsies performed by pulmonologist: a French prospective study. Yannick Simonneau (Limoges, France), Julia Ballouhey, Gilles Mangiapan, Philippe Richard, Sophie Laroumagne, Cezar Matau, Julien Dutilh, Ahmed Boubaya, Boris Melloni
PA4834	Profile of the peripheral muscular atrophy during the first days of mechanical ventilation: a longitudinal ultrasonographic study Pedro Henrique de Moura (Recife, Brazil), Priscyla Ferreira, Manuela Luna, Isac Silva Junior, Paula Duarte, Cyda Reinaux, Armêlê Dornelas De Andrade, Djacyr Viana Filho, Helga De Souza
PA4835	Chest Ultrasound as a new tool for assessment of Volume Status in Hemodialysis Patients. Mohamed Fawzy Abdelghany (Assiut, Egypt), Ahmed Bahey, Walaa Hosny
PA4836	Identification of specific EBUS-TBNA sonographic characteristics for differentiating sarcoidosis from tuberculosis and lymphoma Wen-Chien Cheng (Taichung, Taiwan), Chih-Yu Chen, Wei-Chun Chen, Wei-Chih Liao, Chia-Hung Chen, Chih-Yen Tu
PA4837	Estimation of Pleural Effusion Volume by Chest Ultrasound: Validation of Two Multiplanar Models. Simone Scarlata (Roma (RM), Italy), Ilaria Venditti, Giorgia Fulco, Panaiotis Finamore, Renato Giua, Raffaele Antonelli Incalzi, Sergio Silvestri
PA4838	Pleuropulmonary ultrasound findings and their association with chronic liver disease severity Israel Nuñez Sosa (Monterrey, Mexico), Marusia Gonzalez Villarreal, Erick J. Rendon Ramirez, Perla R. Colunga Pedraza, Linda E. Muñoz Espinoza, Homero Nuñez Terreros, Roberto Mercado Longoria
PA4839	Inspiratory muscle training associated with whole body vibration improves diaphragm thickness and mobility but does not affect serum BDNF and peripheral muscle in pre-frail older: a randomized double-blind clinical trial Bárbara Bernardo Figueirêdo (Recife, Brazil), Helga De Souza, Maira Pessoa, Rafaela Clemente, Alanna Silva, Patricia Neves, Pablo Cardoso, Cyda Reinaux, Etienne Fittipaldi, Armêlê Dornelas De Andrade

8B Session 478 13:00 - 14:30**Lunchtime session: Advances in chronic obstructive pulmonary disease and asthma**
JAMA and the JAMA Network

Aims : to review recent data about the efficacy and safety of long-acting muscarinic antagonist treatment for COPD, the role of systemic corticosteroid treatment for patients with COPD when they travel to high altitudes and the prenatal high-dose vitamin D status and risk of childhood asthma.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Epidemiology General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Paediatrician, Patient, Adult pulmonologist/Clinician

Chairs : George O'Connor (Boston, United States of America), Fabio L. M. Ricciardolo (Orbassano (TO), Italy)

13:00	The efficacy and safety of long-acting muscarinic antagonist treatment for COPD Kenneth R. Chapman (Toronto (ON), Canada)	4840
13:30	Dexamethasone treatment for patients with COPD when they travel to high altitude Konrad E. Bloch (Zurich, Switzerland)	4841
14:00	Prenatal high-dose vitamin D status and the risk of childhood asthma Bo Chawes (Brønshøj, Denmark)	4842

6B Session 480 13:00 - 14:30**Lunchtime session: Global burden of respiratory disease and tobacco: an update**
Focus on respiratory findings of the Global Burden of Disease and future developments

Aims : to summarise recent findings of the Global Burden of Disease (GBD) and other international initiatives about respiratory disease; to describe new developments in respiratory disease and other respiratory conditions; to expand the network of Global Burden of Disease respiratory collaborators.

Disease(s) : Airway diseases Interstitial lung diseases Respiratory infections

Method(s) : Epidemiology General respiratory patient care Physiology

Tag(s) : Translational

Target audience : Allergist, Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Policy maker, Scientist (basic, translational), Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Joan B Soriano (Madrid, Spain), Maria Montes De Oca (Caracas, Venezuela)

13:00	Global burden of respiratory disease in 2017 and 2019: how can it be improved further? Vinay Gupta (Seattle, United States of America)	4846
13:30	Estimates and future directions in Global burden of disease tobacco estimation Luisa Sorio FLor (Seattle, United States of America)	4847
14:00	Using Global Burden of Disease respiratory estimates at the national and subnational levels Peter Burney (London, United Kingdom)	4848

No Room Session 14:30 - 17:00**Game Zone: GAME ZONE - SESSION 9**

14:30	Bronchoscopy Andrea Crespo Sedano (Valladolid, Spain)
14:30	Chest drain placement Maria Alvarenga Santos (Lisboa, Portugal)

14:30	Cryobiopsy Miguel Iglesias Heras (Salamanca, Spain)
14:30	Endobronchial valve placement Annika W.M. Goorsenberg (Amsterdam, Netherlands)
14:30	Inspiratory muscle training Pedro Rivas Cheliz (Madrid, Spain)
14:30	Rigid bronchoscopy Karan Madan (New Delhi (Delhi), India)
14:30	Spirometry Aleksandar Bokan (Sremska Kamenica, Republic of Serbia)
14:30	Thoracic ultrasound Maged Hassan (Plymouth, United Kingdom)
14:30	Tracheal intubation Antoni Marín Muñoz (Badalona (Barcelona), Spain)

8B Session 493 14:45 - 16:45

Symposium: State of the art session: Thoracic oncology

A joint ERS/International Association for the Study of Lung Cancer (IASLC) session

Aims : to provide an update on selected hot topics in thoracic oncology.

Disease(s) : Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Imaging Palliative care Surgery

Tag(s) : Translational

Target audience : Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : David Baldwin (Nottingham (Nottinghamshire), United Kingdom), Jouke T. Annema (Amsterdam, Netherlands)

14:45	Logical use of imaging modalities in thoracic malignancy Walter De Wever (Leuven, Belgium)	4888
15:15	Personalised staging of lung cancer beyond the UICC 8th edition: new prognostic factors Hisao Asamura (Tokyo, Japan)	4889
15:45	Novel approaches in metastasised non-small cell lung cancer with a special focus on modern systemic therapies Nicolas Girard (Paris, France)	4890
16:15	Recent developments in the systemic treatment of malignant pleural mesothelioma: a light at the end of the tunnel! Kevin Blyth (Glasgow (Glasgow), United Kingdom)	4891

7A Session 494 14:45 - 16:45

Year in review: Clinical Year in review

Non-pharmacological interventions to prevent functional decline in chronic lung diseases Advances in pulmonary rehabilitation and secondary prevention

Aims : to explain the value of respiratory muscle training as an adjunct therapeutic modality in pulmonary rehabilitation and secondary prevention of chronic lung disorders; to describe recent advances in methods to diagnose abnormal respiratory mechanics and to phenotype and assess treatment efficacy in respiratory disease patients; to identify the value of new instruments to capture patients' perception of physical activity and strategies that promote an active lifestyle in patients with COPD; to explain the necessity of standardising the execution and data reporting of cardiopulmonary exercise testing in patients with chronic lung conditions; to contrast what patients with chronic lung disorders report about their experiences of undertaking cardiopulmonary exercise testing.

Disease(s) : Airway diseases Interstitial lung diseases Paediatric respiratory diseases Pulmonary vascular diseases

Method(s) : Imaging Physiology Public health Pulmonary function testing Pulmonary rehabilitation

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Pathologist, Physiologist, Physiotherapist, Trainee, Adult pulmonologist/Clinician

Chairs : Ioannis Vogiatzis (Newcastle upon tyne (Tyne and Wear), United Kingdom), Martijn A. Spruit (Horn, Netherlands)

14:45	Value of respiratory muscle conditioning in respiratory rehabilitation for patients with cystic fibrosis and COPD Daniel Langer (Leuven, Belgium)	4892
15:15	ERS Statement on respiratory mechanics and muscle testing at rest and during exercise in chronic lung disorders Samuel Vergès (Grenoble, France)	4893
15:45	Exercise-based interventions to prevent physical deconditioning in patients with chronic lung disorders Vinicius Cavalheri (Perth (WA), Australia)	4894
16:15	ERS Statement on standardisation of cardiopulmonary exercise testing (CPET) in chronic lung diseases Thomas Radtke (Zürich, Switzerland)	4895

9E Session 495 14:45 - 16:45

Guidelines session: New clinical practice guidelines for chronic cough

ERS guidelines

Aims : to describe the latest thinking regarding aetiology, investigation and therapy in patients suffering from chronic cough; to discuss the paradigm shift of viewing chronic cough as a disease in its own right, characterised by cough hypersensitivity, with different phenotypes that give rise to different treatable traits allows a more rational approach to this condition.

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#) [Paediatric respiratory diseases](#)

Method(s) : Epidemiology General respiratory patient care Palliative care

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Paediatrician, Patient, Physiotherapist, Trainee, Adult pulmonologist/Clinician

Chairs : Eva Millqvist (Skovde, Sweden), Peter Dicipinigaitis (New York, United States of America)

14:45	New guidelines for chronic cough: what's in and what's out Alyn Hugh Morice (Cottingham, United Kingdom)	4896
15:15	New guidelines for chronic cough: what we know and what we don't know Woo-Jung Song (Seoul, Republic of Korea)	4897
15:45	Chronic cough in paediatrics: interactive case discussion Michael Shields (Belfast (Belfast), United Kingdom)	4898
16:15	Chronic cough in adults: interactive case discussion Mirjam J.G. van Manen (Rotterdam, Netherlands)	4899

9A Session 496 14:45 - 16:45

Grand round: Occupational and epidemiology Grand Round

Think breathing, think work! How and why to consider the role of occupational exposures when assessing respiratory disease patients

Aims : to enthuse and remind a broad range of clinicians about the role of occupational exposures as a cause of respiratory disease; to increase the awareness of clinicians about the roles of environmental and occupational exposures as causes of lung disease; to scrutinise the occupational history of patients; to stress how important it is to talk with respiratory disease patients about their jobs; to appreciate both work-related and non-work-related risk factors in a given patient; to emphasise the importance of certain non-invasive diagnostic tools for occupational respiratory disorders and how these may eventually replace more invasive approaches.

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)

Method(s) : Epidemiology General respiratory patient care Physiology Public health Pulmonary function testing

Tag(s) : Clinical

Target audience : Allergist, General practitioner, Lung function technologist, Nurse, Physiologist, Radiologist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Nicola Murgia (Perugia (PG), Italy), Sara De Matteis (London, United Kingdom)

14:45	ATS/ERS Statement on occupational burden of respiratory disease Paul Blanc (San Francisco, United States of America)	4900
15:05	A case of occupational lung disease? Why exposure history is the "sine qua non" in such a diagnosis Metin Akgün (Erzurum, Turkey)	4901

15:30	A case of occupational wheezing and cough: is it always work-related asthma? Xavier Munoz Gall (Barcelona, Spain)	4902
15:55	A case of occupational lung disease in an office worker: why does it always improve in hospital? Jennifer Louise Hoyle (West Yorkshire, United Kingdom)	4903
16:20	A case of occupational interstitial disease: when to invade the lungs and when non-invasive diagnostic investigations may be useful Carlos E. Orduz Garcia (Medellin (Antioquia), Colombia)	4904

9C Session 497 14:45 - 16:45

Symposium: Pathophysiology and clinical insights into severe non-allergic asthma

Aims : to provide insights into the pathophysiology and cellular/molecular aspects of severe non-allergic asthma; to increase understanding of non-interventional and interventional management of asthma with biologics and bronchial thermoplasty, respectively. This session was built in collaboration with EAACI.

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology General respiratory patient care

Tag(s) : Translational

Target audience : Clinical researcher, General practitioner, Patient, Adult pulmonologist/Clinician

Chairs : Antonio Spanevello (Milan, Italy), Neil Thomson (Glasgow (Glasgow), United Kingdom), Matteo Bonini (London, United Kingdom)

14:45	Pathophysiology of severe non-allergic asthma Guy Brusselle (Ghent, Belgium)	4905
15:15	Interaction between epithelial cells and sub-epithelial mesenchymal cells in severe non-allergic asthma Michael Roth (Basel, Switzerland)	4906
15:45	The ERS/EAACI statement on severe exacerbations of asthma, and how to deal with non-allergic severe asthma Mina Gaga (Athens, Greece)	4907
16:15	Bronchial thermoplasty: do we understand how it works? Daiana Stolz (Basel, Switzerland)	4908

9D Session 498 14:45 - 16:45

Symposium: New perspectives in thoracic surgical oncology

Aims : to provide an update on multidisciplinary approaches for diagnosis and treatment of lung cancer; to discuss recent advances in cancer genomics, targeted therapies, immunotherapy, surgical treatment of oligometastatic disease, video-assisted thoracic surgery after induction treatment and concomitant radiotherapy.

Disease(s) : Thoracic oncology

Method(s) : Cell and molecular biology Imaging Surgery

Tag(s) : Clinical

Target audience : Clinical researcher, Pathologist, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Torsten Gerriet Blum (Berlin, Germany), Georgia Hardavella (London, United Kingdom)

14:45	Oncogene and immune addiction in lung cancer Joanna Domagała-Kulawik (Warszawa, Poland)	4909
15:15	Role of surgical management in oligometastatic disease Luca Bertolaccini (Milan, Italy)	4910
15:45	Role of video-assisted thoracoscopic lobectomy in the neoadjuvant setting Mahmoud Ismail (Potsdam, Germany)	4911
16:15	Concomitant radiotherapy and targeted therapies Wouter H. van Geffen (Leeuwarden, Netherlands)	4912

8C Session 499 14:45 - 16:45

Hot topics: High-tech in interstitial lung diseases: just hype and gadgets?

A critical appraisal of innovative techniques for the diagnosis and treatment of interstitial lung diseases

Aims : to explain novel techniques and their role in the diagnosis and treatment follow-up of interstitial lung diseases (ILDs); to explain the additive value of optical coherence tomography in the diagnosis of ILDs; to discuss genetic testing of ILDs and if it has any role in daily practice; to explain what artificial intelligence can bring to the field of ILDs; to discuss the pros and cons of e-health and biomarkers in daily practice and research of ILDs.

Disease(s) : **Interstitial lung diseases**

Method(s) : Endoscopy and interventional pulmonology Imaging Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, Lung function technologist, Radiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Marlies S. Wijnsbeek (Rotterdam, Netherlands), Michael Kreuter (Heidelberg, Germany)

14:45	New endoscopic techniques to diagnose interstitial lung diseases Venerino Poletti (Forli, Italy)	4913
15:15	It's all in our genes Maria Molina Molina (Barcelona, Spain)	4914
15:45	Artificial intelligence meets interstitial lung diseases Simon Walsh (London, United Kingdom)	4915
16:15	How to better assess and predict disease progression and treatment response: home-based spirometry, biomarkers or ...? Toby Maher (St. Albans, United Kingdom)	4916

9F Session 500 14:45 - 16:45

Hot topics: Is your patient dying from air pollution?

What a health professional needs to know

Aims : to present the latest evidence regarding the health impacts of air pollution; to explain the methodology; to inform health professionals what advice they should give patients to limit their exposure to poor-quality air.

Disease(s) : **Airway diseases** **Paediatric respiratory diseases** **Pulmonary vascular diseases**

Method(s) : Epidemiology Public health

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Pathologist, Patient, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Barbara Hoffmann (Düsseldorf, Germany), Isabel Saraiva (Cascais, Portugal)

14:45	Bridging the knowledge gap in air pollution Nino Künzli (Basel, Switzerland)	4917
15:09	Risk communication and intervention to reduce the health effects of air pollution Joel Kaufman (Seattle, United States of America)	4918
15:33	How to avoid air pollution Benjamin Barratt (London, United Kingdom)	4919
15:57	Resources and support of the World Health Organization to improve air quality Nathalie Laure Roebbel (Geneva, Switzerland)	4920
16:21	The potential role of the green environment on respiratory health Elaine Fuertes (London, United Kingdom)	4921

8A Session 501 14:45 - 16:45

Oral presentation: Current trends in noninvasive ventilation for acute respiratory failure

Disease(s) : **Respiratory critical care** **Airway diseases** **Sleep and breathing disorders**

Method(s) : Respiratory intensive care General respiratory patient care Epidemiology Palliative care

Chairs : Annia Fleur Schreiber (Torino (TO), Italy), Marcus Schultz (Amsterdam, Netherlands)

OA4922	Adjunctive Intrapulmonary percussive ventilation (IPV) with noninvasive ventilation (NIV) in patients with acute severe exacerbation of COPD (AECOPD) Sergey Avdeev (Moscow, Russian Federation), Aung Kyaw Soe, Galiya S. Nuralieva, Alexander G. Chuchalin
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- OA4923** **Role of lung elastance on diaphragmatic dysfunction in exacerbated COPD patients who failed NIV**
Roberto Tonelli (Castelvetro di Modena (MO), Italy), Alessandro Marchioni, Riccardo Fantini, Luca Tabbi, Ivana Castaniere, Sabrina Bedogni, Maria Rosaria Pellegrino, Fabiana Trentacosti, Pierluigi Donatelli, Filippo Gozzi, Francesco Livrieri, Lara Pisani, Stefano Nava, Enrico Clini
- OA4924** **High-flow oxygen therapy vs non invasive ventilation: a prospective randomized cross-over physiological study of alveolar recruitment in acute respiratory failure**
Elise Artaud Macari (Rouen, France), Michael Bubenheim, Gurvan Le Bouar, Dorothée Carpentier, Steven Grangé, Déborah Boyer, Gaëtan Béduneau, Benoit Misset, Antoine Cuvelier, Fabienne Tamion, Christophe Girault
- OA4925** **Escalation decisions in ECOPD patients receiving acute NIV.**
Nicholas Lane (Newcastle Upon Tyne, United Kingdom), Tom Hartley, John Steer, Mark Elliott, Milind Sovani, Helen Curtis, Elizabeth Fuller, Patrick Murphy, Dinesh Shrikrishna, Keir Lewis, Neil Ward, Christopher Turnbull, Victoria Ferguson, Nicholas Hart, Stephen Bourke
- OA4926** **Average volume assured pressure support auto-EPAP(AVAPS-AE) mode for AECOPD patients with obesity hypoventilation syndrome (OHS)**
BoXue Han (Beijing, China), Xiaojun Sui, Ying Wang, Lishun Yue, Maoliang Tian, Guifeng Zhao, Guoru Yang, Dongxia Wang, Xiaojiong Lu, Yujuan Zhao, Yan Liang
- OA4927** **Mortality prediction in intermediate Respiratory Care Units: a novel use of Artificial Intelligence**
Sara B. Heili Frades Zimmermann (Madrid, Spain), Pablo Minguez, Ignacio Mahillo-Fernández, Luis Jiménez Hiscock, Arnoldo Santos, Daniel Heili Frades, María Del Pilar Carballosa De Miguel, Itziar Fernández Ormaechea, Laura Álvarez Suárez, Alba Naya, Nicolas Gonzalez Mangado, German Peces-Barba
- OA4928** **Automatic Determination of a Subject's Degree of Expiratory Flow Limitation in a Noninvasive Ventilator**
Bob Romano (Monroeville, United States of America), Chuck Cain, Jim Mckenzie, Bill Hardy, Barb Miller, Kelli Davis

9B

Session 502

14:45 - 16:45

Oral presentation: Insights into the pathophysiology of sleep-disordered breathing

Disease(s) : **Sleep and breathing disorders**

Method(s) : Physiology Cell and molecular biology General respiratory patient care

Chairs : Michael Arzt (Regensburg, Germany), Jean-Louis Pépin (Grenoble, France)

- OA4929** **Late Breaking Abstract - Fetal blood hypoxia/reoxygenation swings are reduced by placental oxygen transfer in a model ovine pregnancy with sleep apnea**
Isaac Almendros (Barcelona, Spain), Paula Martínez-Ros, Nuria Farré, Mónica Rubio-Zaragoza, Marta Torres, Álvaro J. Gutiérrez-Bautista, José M. Carrillo-Poveda, Joaquín J. Sopena-Juncosa, David Gozal, Antonio Gonzalez-Bulnes, Ramon Farré
- OA4930** **Effects of Sustained and Intermittent Hypoxia on Human Lung Cancer Cells**
Esther Marhuenda (Barcelona (Catalonia), Spain), Noelia Campillo, Marta Gabasa, Miguel Ángel Martínez-García, Francisco Campos-Rodriguez, David Gozal, Daniel Navajas, Jordi Alcaraz, Ramon Farre, Isaac Almendros
- OA4931** **Brainstem pre-sympathetic neurons mediates oscillatory breathing in heart failure rats**
Hugo S. Díaz (Santiago, Chile), Rodrigo Del Rio, Camilo Toledo, David Andrade
- OA4932** **Intermittent hypoxia activates the Interleukin (IL)-1 β and nuclear factor (NF) κ B signaling pathway in primary murine macrophages**
Susan Fitzpatrick (Dublin, Ireland), Fiona Mcgillicuddy, Helen Roche, Silke Ryan
- OA4933** **Increased arterial standard bicarbonate is associated with hypertension in patients with obstructive sleep apnea – data from the European Sleep Apnea Database (ESADA)**
Ding Zou (Göteborg, Sweden), Ludger Grote, Ozen K. Basoglu, Johan Verbraecken, Sophia Schiza, Pawel Sliwinski, Paschalis Steiropoulos, Holger Hein, Jean-Louis Pépin, Gianfranco Parati, Walter T. McNicholas, Jan Hedner
- OA4934** **Loop gain as a determinant of upper airway stimulation efficacy in sleep apnoea**
Sara Op de Beeck (Wilrijk, Belgium), Andrew Wellman, Kingman Strohl, Marc Willemsen, Johan A. Verbraecken, Scott A. Sands, Olivier M. Vanderveken
- OA4935** **Hyperinsulinemia due to altered insulin secretion contributes to insulin resistance in chronic intermittent hypoxia independently of obesity**
Joana F. Sacramento (Lisboa, Portugal), Bernardete F. Melo, Elena Olea, Ana Obeso, Asuncion Rocher, Tiago Rodrigues, Jesus Prieto-Lloret, Sara Yubero, Emilia C. Monteiro, Paulo Matafome, Silva V. Conde
- OA4936** **Episodic stimulation of central chemoreflex elicits long-term breathing disorders and autonomic imbalance in heart failure rats**
Hugo S. Díaz (Santiago, Chile), David C. Andrade, Camilo Toledo, Claudia Lucero, Alexis Arce-Alvarez, Rodrigo Del Rio

6F

Session 503

14:45 - 16:45

Oral presentation: Infections, wheezing and asthma in children

Disease(s) : **Airway diseases**

Method(s) : Epidemiology Public health General respiratory patient care Cell and molecular biology Physiology Pulmonary function testing

Chairs : Steve Cunningham (Edinburgh (Scotland), United Kingdom), Andrew Bush (London, United Kingdom)

- OA4937** **Late Breaking Abstract - Maternal asthma, weight gain in early life and infant lung function**
Patricia de Gouveia Belinelo (Newcastle (NSW), Australia), Kathryn Jesson, Rhea Appenzeller, Olga Gorlanova, Adam Collison, Christopher Oldmeadow, Vanessa E. Murphy, Paul D. Robinson, Philipp Latzin, Peter Gibson, Urs Frey, Joerg Mattes
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- OA4938** **Microbiological status in preschool asthma: the VIRASTHMA 2 study**
Stéphanie Lejeune (Lille, France), Ilka Engelmann, Rodrigue Dessein, Guillaume Pouessel, Heloise Ducoin, Celine Delvert, Clemence Mordacq, Caroline Thumerelle, Muriel Pichavant, Philippe Gosset, Antoine Deschildre
-
- OA4939** **Infant RSV prophylaxis, RSV infection, and nasopharyngeal microbiota at age six years**
Wing Ho Man (Haarlem, Netherlands), Nienke Scheltema, Marlies Van Houten, Elisabeth Nibbelke, Niek Achten, Kayleigh Arp, Elisabeth Sanders, Louis Bont, Debby Bogaert
-
- OA4940** **Dynamics of serum interferons and Th2-type interleukins during viral upper respiratory tract infections in pediatric asthmatic patients**
Olha Shvaratska (Dnipro, Ukraine), Yuriy Bolbot
-
- OA4941** **Oral steroids for preschool children with acute wheeze: a systematic review and meta-analysis**
Jared Murphy (Ormskirk (Lancashire), United Kingdom), Charlotte King, Berber Kapitein, Ricardo Fernandes, Andrew Lilley, Shrouk Messahel, Daniel B Hawcutt, Ian Sinha
-
- OA4942** **Maternal antibiotic use during pregnancy and asthma in children: population-based cohort study and sibling design**
Xiaoqin Liu (Aarhus, Denmark), Jianping Chen
-
- OA4943** **Transcriptome-wide association study (TWAS) of nasal respiratory epithelium and childhood asthma**
Erick Forno (Pittsburgh, United States of America), Rong Zhang, Yale Jiang, Qi Yan, Yueh-Ying Han, Edna Acosta-Perez, Nadia Boutaoui, Glorisa Canino, Wei Chen, Juan C. Celedon

N103

Session 504

14:45 - 16:45

Oral presentation: Advances in bronchiectasis and non-TB mycobacterial infections

Disease(s) : **Airway diseases**

Method(s) : Epidemiology General respiratory patient care Cell and molecular biology Pulmonary rehabilitation

Chairs : Oriol Sibila (Barcelona, Spain), Pamela J. McShane (Chicago, United States of America)

- OA4944** **Late Breaking Abstract - Airway hyperresponsiveness in bronchiectasis**
J.M. de Koning Gans (Leiden, Netherlands), L.S.J. Kamphuis, R.A.S. Hoek, M. Bakker, J.G.J.V. Aerts, M.M. Van Der Erden
-
- OA4945** **Long term macrolide antibiotics for the treatment of bronchiectasis in adults - individual participant data meta-analysis**
Josje Altenburg (Amsterdam, Netherlands), James Chalmers, Mike Lonergan, Lata Jayaram, Lucy Burr, Megan Crichton, Noel Karalus, Megan Martin, Steven Taylor, Conroy Wong, Wim Boersma
-
- OA4946** **The effect of azithromycin on sputum inflammatory markers in bronchiectasis – analysis of a randomized controlled trial**
Lotte Terpstra (Alkmaar, Netherlands), Susanne Vijverberg, Yanaika Sabogal Piñeros, Rene Lutter, Wim Boersma, Josje Altenbrug
-
- OA4947** **A point of care neutrophil elastase activity assay identifies bronchiectasis severity, airway infection and risk of exacerbation**
Amelia Shoemark (Dundee (Angus), United Kingdom), Erin Cant, Luis Carreto, Alexandria Smith, Martina Oriano, Holly R Keir, Lidia Perea, Elisabet Canto, Leonardo Terranova, Silvia Vidal, Kelly Moffitt, Stefano Aliberti, Oriol Sibila, James D Chalmers
-
- OA4948** **Long-term efficacy of a home-based airway clearance programme to improve cough severity in patients with bronchiectasis: a randomised controlled trial**
Beatriz Herrero Cortina (Zaragoza, Spain), Marta San Miguel-Pagola, Marina Francín-Gallego, Juan Antonio Sáez-Pérez, Eva Polverino

- OA4949** **Determinants of survival in the European Bronchiectasis Registry(EMBARC)**
Stefano Aliberti (Milan, Italy), Rosario Menendez, Francesco Blasi, Felix Ringshausen, Anthony De Souza, Montse Vendrell, Pieter Goeminne, Eva Polverino, Wim Boersma, Charles Haworth, Marlène Murriss, Katerina Dimakou, Adam T Hill, Michael R Loebinger, Antoni Torres, Tobias Welte, R Wilson, Stuart Elborn, James D Chalmers
- OA4950** **High Efficacy of High-dose Nitric Oxide and its Synergistic Effect with Antibiotics against Mycobacterium Abscessus**
Abdi Ghaffari (Kingston (ON), Canada), Trisha Chau, Kelvin Blade, Juas Da Silva, Adrian Zelazny, Kenneth Olivier
- OA4951** **Durability of culture conversion in patients receiving Amikacin Liposome Inhalation Suspension (ALIS) for treatment-refractory Mycobacterium avium complex lung disease (MAC-LD) in the CONVERT study**
David E. Griffith (Tyler, United States of America), Rachel Thomson, Doreen J. Addrizzo-Harris, Stephen K. Field, Jakko Van Ingen, Christopher Coulter, Kevin Mange, James Nezamis, Kevin L. Winthrop

N104

Session 505

14:45 - 16:45

Oral presentation: Novel targets and mechanisms in asthma

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology General respiratory patient care

Chairs : Lena Uller (Lund, Sweden), Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)

- OA4952** **The potent and lung-selective inhaled pan JAK inhibitor TD-8236 limits airway inflammation without affecting systemic immunity in mice**
Melanie Kleinschek (South San Francisco, United States of America), Alexander Mcnamara, Christina Campbell, Ashleigh Heinichen, Eva Situ, Wanju Lee, Elad Kaufman, Paul Fatheree
- OA4953** **Fevipirant antagonises prostaglandin D2-induced activation of type-2 CD8 T cells (Tc2)**
Wentao Chen (Oxford (Oxfordshire), United Kingdom), Rowie Borst, Jian Luo, Mohammad M. Chizari, Luisa Chocarro De Erauso, Veit J. Erpenbeck, Shamsah Kazani, David A. Sandham, Luzheng Xue
- OA4954** **ICS/LABA effects on antiviral innate immune response. An in vitro analysis.**
Andrea Marcellini (Ferrara, Italy), Marco Contoli, Paolo Casolari, Sebastian L. Johnston, Alberto Papi, Roberto Solari
- OA4955** **An inhaled IGFBP-3 peptide attenuates steroid-resistant neutrophilic bronchial asthma through modulation of ER stress**
So Ri Kim (Jeonju, Republic of Korea), Yong Chul Lee, Hae Jin Park, Kyeong Hwa Park
- OA4956** **A novel role for TRPM3 in Airway Smooth Muscle Contraction**
Sara Jane Bonvini (London, United Kingdom), John J Adcock, Nadja Kobold, Phyllis Phuah, Mark A Birrell, Maria G Belvisi
- OA4957** **BDNF-TrkB signaling mediates cholinergic neuroplasticity in asthma**
Guilherme Dragunas (São Paulo, Brazil), Manon Woest, Susan Nijboer, Sophie Bos, Corneel Vermeulen, Ben Ditz, Judith Vonk, Gerard Koppelman, Maarten Van Den Berge, Nick Ten Hacken, Wim Timens, Carolina Munhoz, Y Prakash, Reinoud Gosens, Loes Kistemaker
- OA4958** **Therapeutic effects of topical calcilytic in IgE/Th2 and alarmin-driven surrogates of human asthma**
Bethan Mansfield (Cardiff, United Kingdom), Ping Huang, Xiaonan Du, Qiong Huang, Wei Wang, Ford William, Emma Kidd, Chris Corrigan, Jeremy Ward, Paul Kemp, Ying Sun, Daniela Riccardi

6E

Session 506

14:45 - 16:45

Symposium: Effective communication of scientific findings

Early Career Member's Session 2019

Aims : to contrast effective communication depending on either a scientific audience at a conference or when talking to the general public/patients; to provide participants with hands-on tips to improve on their own communication skills; to explain the contributions of the Early Career Members Committee and how you can get involved; to describe the variety of offers of the ERS fellowship programme and specific calls/deadlines.

Method(s) : General respiratory patient care Public health

Tag(s) : Translational

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, Paediatrician, Pathologist, Policy maker, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Lowie G.W. Vanfleteren (Gothenburg, Sweden), Sabine Bartel (Groningen, Netherlands)

- 14:45** **The ERS Early Career Member Committee**
Lieuwe Bos (Amsterdam, Netherlands)

4959

15:00	ERS fellowships Rory Morty (Bad Nauheim, Germany)	4960
15:15	Discussion	4961
15:30	Making yourself and your science memorable at congress Guy Brusselle (Ghent, Belgium)	4962
15:45	Strategies to effectively communicate science to patients and the wider public Pippa Powell (Sheffield (South Yorkshire), United Kingdom)	4963
16:00	Panel discussion	4964
16:15	Mina Gaga Lecture Lies Lahousse (Ghent, Belgium)	4965

N101+102 Session 507 14:45 - 16:45

Oral presentation: Early origins of respiratory diseases and later life consequences

Disease(s) : Airway diseases

Method(s) : Epidemiology Public health General respiratory patient care Pulmonary function testing

Chairs : Liesbeth Duijts (Rotterdam, Netherlands), Myrofora Goutaki (Bern, Switzerland)

OA4966	Early infancy BMI trajectories and lung function and asthma during childhood Gabriela P. Peralta (Barcelona, Spain), Parisa Montazeri , Alicia Abellan, Mikel Basterrechea, Ana Espluges, Sandra González, Célina Roda, Loreto Santa Marina, Martine Vrijheid, Maribel Casas, Judith Garcia-Aymerich
OA4967	General and organ fat measures and the risk of lower lung function and asthma in childhood Rosalie Mensink-Bout (Rotterdam, Netherlands), Evelien R. Van Meel, Susana Santos, Johan C. De Jongste, Vincent W.V. Jaddoe, Liesbeth Duijts
OA4968	Tobacco exposure in utero and childhood asthma and wheeze – a register-based cohort study Cecilia Lundholm (Stockholm, Sweden), Anna Gunnerbeck, Brian D'Onofrio, Henrik Larsson, Göran Pershagen, Catarina Almqvist
OA4969	Prenatal exposure to phenols and lung function, wheeze, and asthma in school-age children from 8 European birth cohorts Alicia Abellan (Barcelona, Spain), Rosalie Mensink-Bout, Leda Chatzi, Talita Duarte-Salles, Mariana Fátima Fernández, Judith Garcia-Aymerich, Berit Granum, Vincent Jaddoe, Maria Jose Lopez-Espinosa, Leonardo Trasande, Cathrine Thomsen, Valérie Siroux, Rémy Slama, Jordi Sunyer, John Wright, Carlos Zabaleta, Martine Vrijheid, Liesbeth Duijts, Maribel Casas
OA4970	Less sun, more cough: Annual hours of sunshine are inversely associated with hospital admissions for children with lower respiratory tract infection James Walker (Stoke-on-Trent, United Kingdom), James Walker, Fran Gilchrist, Will Carroll
OA4971	Asthma control in preschoolers: a strong predictor of long-term morbidity Cristina Longo (Amsterdam, Netherlands), Lucie Blais, Marnie Brownell, Robert Platt, Jacqueline Quail , Mohsen Sadatsafavi, Wenbin Li, Hamid Tavakoli, Angela Tan, Francine Ducharme
OA4972	Asthma and all-cause mortality in children and young adults - a Swedish population based study Emma Caffrey Osvald (Stockholm, Sweden), Hannah Bower, Cecilia Lundholm, Henrik Larsson, Bronwyn K Brew, Catarina Almqvist

6A Session 508 14:45 - 16:45

Poster discussion: New developments in sleep-disordered breathing, gas exchange and lung function in children

Disease(s) : Sleep and breathing disorders Airway diseases

Method(s) : Physiology Pulmonary function testing Epidemiology General respiratory patient care

Chairs : Nicole Beydon (Paris, France), Athanasios G. Kaditis (Athens, Greece)

PA4973	Diagnosis of Moderate-to-severe Obstructive Sleep Apnea Syndrome based on the Sleep clinical record. Emmanouil Alexopoulos (Larisa, Greece), Anna Maria Mylona, Charalampos Skoulakis, Vassilis Lachanas, Panagiotis Liakos, Konstantinos Gourgoulisanis, Athanasios Kaditis
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- PA4974 The McGill score in the diagnosis of Obstructive Sleep Apnoea in children with associated medical conditions**
Federica Trucco (Genova (GE), Italy), Mark Rosenthal, Andrew Bush, Hui-Leng Tan
- PA4975 Diagnosis of obstructive sleep apnoea in children: standards for sleep study duration**
Marketa Stibalova (Southampton, United Kingdom), Florian Gahleitner, Johanna Gavlak, Catherine Hill, Hazel Evans
- PA4976 Usefulness of pulse transit time and pulse oximetry as a screening tool for Obstructive Sleep Apnoea in children.**
Teresa Gomez Garcia (Madrid, Spain), Paula Rodriguez Rodriguez, Maria Fernanda Troncoso Acevedo, Maria Villajos Guijarro, Farah Ezzine De Blas, Nicolás González Mangado, Genoveva Del Rio Camacho
- PA4977 Study of nocturnal gas exchange in children with Down Syndrome**
Nicolas Richard (Paris, France), Guillaume Aubertin, Jessica Taytard
- PA4979 The relationship of plasma adropin levels in pediatric obese patients with OSA**
Surya Prakash Bhatt (New Delhi (Delhi), India), Randeep Guleria, S.K Kabra
- PA4980 Assessing the Need for Adenotonsillectomy for Sleep-Disordered Breathing in a Community Setting. A Randomized Controlled Study.**
Athanasios G. Kaditis (Athens, Greece), Chariton Papadakis, Konstantinos Chaidas, Theognosia Chimona, Maria Zisoglou, Alexandros Ladias, Efklidis Proimos, Michael Miligkos
- PA4981 Predictive equation for optimal Continuous Positive Airway Pressure (CPAP) in children with Obstructive Sleep Apnoea (OSA)**
Hern Zi Joelle Chong (Singapore, Singapore), Arun Pugalenti, Ram Bajpai, Oon Hoe Teoh, Zai Ru Cheng, Soh Gin Tan, Meilan Lim, Jasmine Tan, Anne Goh, Yi Hua Tan, Biju Thomas
- PA4982 Mild nocturnal hypoxemia and sympathetic nervous system activation in infants with viral bronchiolitis**
Athanasios G. Kaditis (Athens, Greece), Evanthia Botsa, Elissavet Georgiadou, Lilia Lykopoulou, Theoni Petropoulou, Adina Sandu, Christina Kanaka-Gantenbein
- PA4983 Assessment of portable oxygen concentrators to revert induced hypoxia by hypoxic challenge testing in paediatric patients. A comparative study between continuous flow and pulse flow delivery systems.**
Sebastian Sailer (Barcelona, Spain), Borja Osona Rodríguez, Jose Antonio Peña Zarza, Jose Antonio Gil Sanchez, Catalina Bover Bauzá, Joan Figuerola Mulet
- PA4984 Comparison of two types of spirometers in preterm- and term-born children**
Michael Cousins (Cardiff (South Glamorgan), United Kingdom), Kylie Hart, Mark Williams, John Henderson, Sailesh Kotecha
- PA4985 Quantitative start of test criteria for spirometry in preschool children**
Luciano Enrique Busi (Trelew (Chubut), Argentina), Valeria Bonamino, Peter David Sly
- PA4986 Post-bronchodilator changes in volumes and airway caliber according to Peak flow and FEV1 reversibility**
Nicole Beydon (Paris, France), Félix Laborier
- PA4987 Age-related changes of pulmonary diffusion capacity components in healthy adolescents**
Thomas Schaefer (Bruxelles, Belgium)
- PA4988 Development of a quality assessment algorithm for multiple breath nitrogen washout**
Renee Jensen (Toronto (ON), Canada), Reginald McDonald, Michelle Klingel, Sanja Stanojevic, Felix Ratjen
- PA4989 Post-exercise Cardiovascular Outcomes in Children who had Chronic Lung Disease of Prematurity in Infancy**
John Lowe (Cardiff (South Glamorgan), United Kingdom), Kylie Hart, Michael Cousins, Sailesh Kotecha
- PA4990 A mathematical model to understand the airway clearance in cystic fibrosis**
Pinelopi Anagnostopoulou (Bern, Switzerland), David Hasler, Philipp Latzin, Dominik Obrist, Johannes S. Schittny

6B

Session 509

14:45 - 16:45

Poster discussion: Novel findings in paediatric respiratory infections

Method(s) : General respiratory patient care Cell and molecular biology Pulmonary function testing Epidemiology Public health

Chairs : Raffaella Nenna (Tucson, United States of America), Stefan Unger (Edinburgh (Edinburgh), United Kingdom)

- PA4991 Late Breaking Abstract - Prevalence of chronic wet cough and PBB in Aboriginal children**
Pamela Laird (Perth, Australia), Roz Walker, Anne Chang, André Schultz
- PA4992 The lower airway microbiota in infants with severe bronchiolitis is largely similar to the upper airway microbiota**
Anna Mulholland (Liverpool, United Kingdom), David Broderick, Sarah Missen, Tom Fontaine, Fiona Radcliff, John Beca, Mike Taylor, Naveen Pillarisetti

- PA4993 Resilience of the nasopharyngeal microbiota following childhood lower respiratory tract infection**
Emma de Koff (Utrecht, Netherlands), Wing Ho Man, Marlies Van Houten, Marieke Mérelle, Arine Vlieger, Mei Ling Chu, Nicolaas Jansen, Elisabeth Sanders, Debby Bogaert
-
- PA4994 Nasal microbiota in RSV microbiota**
Sabrina Persia (Rome, Italy), Sabrina Persia, Antonella Frassanito, Raffaella Nenna, Laura Petrarca, Greta Di Mattia, Antonella Merola, Valerio Iebba, Serena Schippa, Carolina Scagnolari, Alessandra Pierangeli, Fabio Midulla
-
- PA4995 Loss of microbial topography between oral and nasopharyngeal microbiota and development of respiratory infections early in life**
Wing Ho Man (Haarlem, Netherlands), Melanie Clerc, Wouter De Steenhuijsen Piters, Marlies Van Houten, Mei Ling Chu, Jolanda Kool, Bart Keijser, Elisabeth Sanders, Debby Bogaert
-
- PA4996 Maturation of microbial networks across body sites is associated with susceptibility to childhood respiratory infections**
Melanie Clerc (Edinburgh, United Kingdom), Marta Reyman, Wing Ho Man, Marlies A Van Houten, Elisabeth A M Sanders, Debby Bogaert
-
- PA4997 Variability in the glycoprotein G gene of RSV-A ON1 strains causing bronchiolitis**
Alessandra Pierangeli (Rome, Italy), Carolina Scagnolari, Agnese Viscido, Camilla Bitossi, Massimo Gentile, Antonella Frassanito, Laura Petrarca, Greta Di Mattia, Raffaella Nenna, Fabio Midulla
-
- PA4998 Bacterial immunotherapy in children with wheezing attacks: clinical impact and mechanism of action**
Laura Conejero Hall (Madrid, Spain), Antonio Nieto García, Paola Brandi, María Nieto Cid, Ángel Mazón, Francisco J Cueto, Sarai Martínez-Cano, Paula Saz-Leal, Michel Enamorado, Joaquín Amores-Iniesta, Miguel Casanovas, David Sancho
-
- PA4999 Infant RSV infection changes nasal epithelial DNA methylation at 6 years of age**
Chengjian Xu (Groningen, Netherlands), Nienke M. Scheltema, Cancan Qi, Rolf Vedder, Laura B. C. Klein, Elisabeth E. Nibbelke, Cornelis K Van Der Ent, Louis J. Bont, Gerard H. Koppelman
-
- PA5000 Bronchiolitis from RSV (NA1, ON1 and BA) and recurrent wheezing over 3 years follow-up**
Raffaella Nenna (Tucson, United States of America), Antonella Frassanito, Laura Petrarca, Greta Di Mattia, Marianna Di Martino, Domenico La Regina, Elio Iovine, Cristina Latini, Agnese Viscido, Carolina Scagnolari, Alessandra Pierangeli, Fabio Midulla
-
- PA5001 A comparison of in-hospital and HITH-based treatment of respiratory exacerbations in children with bronchiectasis**
Claudia O'Rourke (Bardon, Australia), Sandra Schilling, Rebecca Martin, Patrick Joyce, Anne Chang, Nitin Kapur
-
- PA5002 Duration of initial antibiotic course is associated with recurrent relapse in protracted bacterial bronchitis**
Will Carroll (Staffordshire, United Kingdom), Ellen Grose-Hodge, Naomi Rainford, Carrol Gamble, Francis Gilchrist
-
- PA5003 The association between breastfeeding and respiratory health in infants born to women with asthma: a secondary analysis of two cohort studies**
Soriah Harvey (Newcastle, Australia), Vanessa Murphy, Peter Gibson, Joerg Mattes, Adam Collison, Megan Jensen
-
- PA5004 Genetic profile, nasal Nitric Oxide and age at diagnosis in 60 Danish PCD patients**
June Kehlet Marthin (Copenhagen, Denmark), Maria Charlotte Philipsen, Morten Duno, Heymut Omran, Heike Olbrich, Petra Pennekamp, Niki Tomas Loges, Christine Edelbusch, Kim Gjerum Nielsen

6C

Session 510

14:45 - 16:45

Poster discussion: Multimorbidity in airway diseases and appropriate inhaled corticosteroid use in COPD

Disease(s) : [Airway diseases](#) [Pulmonary vascular diseases](#) [Respiratory critical care](#)

Method(s) : General respiratory patient care Epidemiology Public health Pulmonary function testing

Chairs : Janwillem W. H. Kocks (Groningen, Netherlands), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)

- PA5005 Withdrawal of inhaled corticosteroids in COPD patients with mild or moderate airflow limitation: who is suitable for a trial of withdrawal?**
Timothy Harries (London, United Kingdom), Gill Gilworth, Mike Thomas, Christopher Corrigan, Patrick Murphy, Nicholas Hart, Leslie Hamilton, Patrick White
-
- PA5006 Predictors of inhaled corticosteroid therapy in COPD alone compared to COPD with concomitant asthma managed in primary care**
Osman Savran (Hvidovre, Denmark), Nina Godtfredsen, Torben Sørensen, Christian Jensen, Charlotte Suppli Ulrik

- PA5007** **Withdrawal of high-dose inhaled corticosteroids in COPD patients with mild or moderate airflow limitation: a feasibility study in primary care.**
Patrick T. White (London, United Kingdom), Gillian Gilworth, Mike Thomas, Christopher Corrigan, Paddy Murphy, Nicholas Hart, Leslie Hamilton, Timothy Harries
- PA5008** **De-implementing inappropriate inhaled steroids use in Dutch COPD patients in primary care**
Corina de Jong (Groningen, Netherlands), Job Van Boven, Tjard Schermer, Roland Riemersma, Ebian Brill, Maarten Van Den Berge, Thys Van Der Molen, Janwillem Kocks
- PA5009** **Deprescribing of inhaled corticosteroids in patients with COPD with mild or moderate airflow limitation: what do patients think?**
Patrick T. White (London, United Kingdom), Gill Gilworth, Timothy Harries, Mike Thomas, Christopher Corrigan, Patrick Murphy, Nicholas Hart, Leslie Hamilton
- PA5010** **Correlation of COPD exacerbation with comorbidities, Lung function and mortality within a single-practice primary-care cohort in the UK**
Mukesh Singh (Sutton Coldfield (West Midlands), United Kingdom), Ketan Singh
- PA5011** **Does d-dimer level predict pulmonary thromboembolism diagnosis in patients with lung cancer?**
Yelda Varol (Izmir, Turkey), Zeynep Ummu Tursun, Dursun Tatar, Nimet Aksel, Aysun Ayranci, Ahmet Emin Erbaycu
- PA5012** **Young women awareness concerning asthma management during pregnancy**
Szymon Skoczyński (Katowice, Poland), Grzegorz Brożek, Aleksandra Oraczewska, Ewelina Tobaczyk, Kamila Gazda, Adam Barczyk
- PA5013** **COPD as a Risk Factor in Primary Care: A Canadian Retrospective Cohort Study**
Cliff Lindeman (Edmonton, Canada), Anh Pham, Tyler Williamson, Neil Drummond, Andrew Cave
- PA5014** **Prevalence of chronic obstructive pulmonary disease (COPD) among smokers with stable coronary artery disease (CAD)**
Amany Touil (Tunis, Tunisia), Ferdaous Yangui, Saoussen Antit, Lilia Zakhama, Soraya Ben Youssef, Mohamed Ridha Charfi
- PA5016** **Cardiovascular risk detection in COPD**
Renáta Marietta Böcskei (Budapest, Hungary), Béla Benczúr, András Bikov, Csaba Böcskei, Anikó Bohács, Veronika Müller
- PA5017** **COPD patients with asthma, characteristics and risk of exacerbations**
Karin Lisspers (Gagnef, Sweden), Marieann Hogman, Andrei Malinovsky, Christer Janson, Hans Hedenstrom, Kristina Broms, Bjorn Stallberg
- PA5018** **Correlation of depression levels and quality of life with severity of disease in COPD patients - A cross sectional study**
Rajendra Prasad Takhar (Kota (Rajasthan), India), Kapil Sharma, Avinash Jain, Dps Sudan, Sheena Taneja
- PA5019** **Gender aspect of comorbidities in COPD patients in primary care.**
Karolina Klester (Barnaul (Altay), Russian Federation), Elena Klester, Valeriy Elykomov, Alexander Zharikov, Galina Ermachkova, Maria Nikolaeva, Etiborhon Mukhtarova
- PA5020** **Myocardial infarction, heart failure and mortality in patients with COPD in primary care.**
Elena Klester (Barnaul (Altai Region), Russian Federation), Karolina Klester, Valeriy Elykomov, Yakov Shoykhet, Inna Veytsman, Alexandra Balitskaya, Svetlana Mikleyeva
- PA5021** **Frequency of occurrence of risk factors of cardiovascular diseases and assessment of the total cardiovascular risk in patients with chronic obstructive pulmonary disease (COPD).**
Karolina Klester (Barnaul (Altay), Russian Federation), Elena Klester, Alexander Zharikov, Aleksandra Balitskaya, Alena Denisova

6D

Session 511

14:45 - 16:45

Poster discussion: Clinical implications of asthma management

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Epidemiology Cell and molecular biology Pulmonary function testing Public health

Chairs : Charlotte Suppli Ulrik (Virum, Denmark), David Ramos-Barbon (Barcelona, Spain)

- PA5022** **Mortality and disease burden in the North-West England severe asthma population**
Daniel Thomas Crowle (Plymouth, United Kingdom), Lorna Maguire, Leanne Jo Holmes, David J Allen, Robert M Niven

PA5023	Epidemiology of lung function in a global severe asthma population Andrew Menzies-Gow (London, United Kingdom), Michael Wechsler, Eileen Wang, Giorgio Canonica, Enrico Heffler, Rupert Jones, John Busby, Liam Heaney, Paul Pfeffer, David Jackson, Richard Costello, Elaine Machale, Chin Kook Rhee, You Sook Cho, Neva Eleangovan, Lakmini Bulathsinhala, Isha Chaudhry, Ruth Murray, Chris Price, Victoria Carter, Marianna Alacqua, Trung Tran, James Zangrilli, David Price
PA5024	Evolution from mild to severe asthma; the severe asthma clinic perspective Darsana Viswam (Birmingham, United Kingdom), Adel Mansur
PA5026	Influence of maternal body mass index and gestational weight gain, with asthma management on maternal and infant outcomes Vanessa E. Murphy (Callaghan, Australia), Megan Jensen, Annelies Robijn, Thomas Wright, Joerg Mattes, Adam Collison, Peter Gibson
PA5027	Evaluation of the technique of use of inhaler devices by patients at home through a video mobile application: A pilot study Nagesh D. Dhadge (Pune (Maharashtra), India), Madhuragauri Shevade, Govinda Narke, Dhananjay Pathak, Neerja Shastri, Monica Barne, Sapna Madas, Nisha Kale, Sundeep Salvi
PA5028	Characterisation of a cohort of asthmatics with severe concordant eosinophilic disease according to their IgE status Sara Gerday (Liège, Belgium), Florence Schleich, Monique Henket, Françoise Guissard, Virginie Paulus, Renaud Louis
PA5029	Characteristics by physician-assigned severity of asthma, asthma+COPD and COPD patients in the NOVELTY study Jørgen Vestbo (Manchester (Greater Manchester), United Kingdom), Helen K Reddel, Alvar Agustí, Elisabeth H Bel, Christer Janson, Barry Make, David Price, Rod Hughes, Eleni Rapsomaniki, Niklas Karlsson, Javier Nuevo, Stephen I Rennard, Alex De Giorgio-Miller, Marianna Alacqua, Maria Gerhardsson De Verdier
PA5030	A survey of pregnant women with asthma in Australia-Are they receiving guideline recommendations? Karen McLaughlin (North Lambton, Australia), Megan Jensen, Maralyn Foureur, Peter Gibson, Vanessa Murphy
PA5031	EOSINOPHIL DISTRIBUTION AND DESCRIPTION IN A POPULATION COHORT OF ASTHMATIC PATIENTS Núria Toledo Pons (Palma De Mallorca, Spain), Job Fm Van Boven, Miguel Román-Rodríguez, Aina Millán, Janwillem W.H. Kocks, Joan B. Soriano, Borja G. Cosío
PA5032	Cough reflex sensitivity in patients with cough variant asthma Aleksandra Rybka (Warszawa, Poland), Marta Dabrowska, Katarzyna Bialek-Gosk, Elzbieta Grabczak, Rafal Krenke
PA5033	Differences and similarities between patients with cough variant asthma and cough predominant asthma Katarzyna Białek-Gosk (Warszawa, Poland), Aleksandra Rybka, Marta Dabrowska, Elzbieta Grabczak, Rafal Krenke
PA5034	Clinical characteristics of cough frequency patterns in patients with and without asthma Junpei Saito (Fukushima, Japan), Atsuro Fukuhara, Surinder Biring, Suguru Sato, Manabu Uematsu, Yasuhito Suzuki, Mami Rikimaru, Ryuichi Togawa, Yuki Sato, Takefumi Nikaido, Yoshinori Tanino, Mitsuru Munakata, Yoko Shibata
PA5035	Simultaneous analysis of sputum and serum biomarkers in adult asthma Akio Mori (Sagamihara (Kanagawa prefecture), Japan), Satoshi Kouyama, Miyako Yamaguchi, Chiemi Kumitani, Naohiro Fujita, Maki Iwata, Kisako Nagayama, Kai Ryu, Yuto Nakamura, Yasuhiro Tomita, Yuto Hamada, Hiroaki Hayashi, Kentaro Watai, Yosuke Kamide, Kiyoshi Sekiya, Yuma Fukutomi, Masami Taniguchi, Terufumi Shimoda, Hiroshi Odashima, Chikako Motomura, Takao Fujisawa, Mizuho Nagao, Shunsuke Shoji, Oshima Nobuharu, Yasushi Tanimoto, Takehiro Hasegawa, Tomokazu Yoshida, Reiko Kishikawa
PA5036	Volumetric capnography in the assessment of distal airway function in patients with asthma Irina Ponomareva (Ryazan, Russian Federation), Vladimir Abrosimov, Sergey Subbotin, Yuriy Byalovskiy
PA5037	Clinical value of the immediate bronchodilator response to diagnose asthma in steroid-naïve adults Leena Esteri Tuomisto (Seinäjoki, Finland), Pinja Ilmarinen, Lauri Lehtimäki, Minna Tommola, Hannu Kankaanranta
PA5038	Quantified breathing patterns can be used as a physiological marker to monitor asthma Panagiotis Sakkatos (Southampton (Hampshire), United Kingdom), Anna Barney, Anne Bruton, Hans Michael Haitchi, Ramesh J Kurukulaaratchy, Debbie Thackray
PA5039	Concordance in temporally distinct blood and sputum inflammatory phenotypic measures in severe asthma Clair Barber (Southampton (Hampshire), United Kingdom), Adnan Azim, Jon A Ward, Laurie Lau, Kamran Tariq, Paddy Dennison, Benjamin Green, Timothy S C Hinks, Karl J Staples, Peter H Howarth

Disease(s) : Pulmonary vascular diseases Respiratory critical care

Method(s) : Cell and molecular biology Transplantation Physiology Imaging

Chairs : David Montani (Le Kremlin-Bicêtre, France), Jurjan Aman (Amsterdam, Netherlands)

- PA5040** **Long Non-coding RNA H19 in Right Ventricular Failure associated with Pulmonary Arterial Hypertension**
Junichi Omura (, Canada), Karima Habbout, Sandra Martineau, Sandra Breuils-Bonnet, Valérie Nadeau, François Potus, Stephen L. Archer, Roxane Paulin, Steeve Provencher, Olivier Boucherat, Sébastien Bonnet
-
- PA5041** **An investigation of the origins of pulmonary artery lesion cells in pulmonary arterial hypertension rat models**
Hideki Miwa (Chiba, Japan), Seiichiro Sakao, Hidemi Suzuki, Takayuki Kobayashi, Fumiaki Kato, Takayuki Jujo, Rintaro Nishimura, Nobuhiro Tanabe, Koichiro Tatsumi
-
- PA5042** **Cell free haemoglobin and pulmonary artery endothelial cell dysfunction**
Quezia K Toe (Essex, United Kingdom), Maziah Mohd Ghazaly, Theo J Issit, S John Wort, Gregory J Quinlan
-
- PA5043** **Functional study of polymorphisms in the promoter region of the endothelin-1 gene in Pulmonary Arterial Hypertension**
Adolfo Balotra Villar (Pontevedra, Spain), Diana Valverde, Mauro Lago
-
- PA5044** **Role of adenylate kinase 4 as a new metabolic regulator of pulmonary artery smooth muscle cells under hypoxia**
Magdalena Wujak (Giessen, Germany), Tessa Wilke, Astrid Weiss, Monika Brosien, Cheng-Yu Wu, Oleg Pak, Ralph T. Schermuly, Hossein A. Ghofrani, Werner Seeger, Friedrich Grimminger, Norbert Weissmann
-
- PA5045** **MiR-1-5p targets TGF- β R1 and is suppressed in the hypertrophying hearts of rats with pulmonary arterial hypertension**
Stephen Wort (Hampton (Middlesex), United Kingdom), Martin Connolly, Benjamin Garfield, Alexi Crosby, Nick Morrell, Paul Kemp
-
- PA5046** **MnTBAP reduces pulmonary vascular remodeling in experimental pulmonary arterial hypertension**
Xiao-Qing Sun (Amsterdam, Netherlands), Maria Catalina Gomez-Puerto, Ingrid Schalijs, Anton Vonk-Noordegraaf, Frances S De Man, Peter Ten Dijke, Harm-Jan Bogaard
-
- PA5047** **The interplay of VEGF-inducing/inhibiting and breathing induced cyclic stretch in regulating the integrity of the functional microvasculature-on-chip**
Thomas Geiser (Bern, Switzerland), Soheila Zeinali, Olivier Guenat
-
- PA5048** **NTP42, an antagonist of the thromboxane receptor, attenuates experimentally-induced pulmonary arterial hypertension**
B. Therese Kinsella (Co Dublin, Ireland), Eamon Mulvaney, Helen Reid
-
- PA5049** **Caspase-1 triggers smooth muscle cell proliferation in hypoxic pulmonary hypertension**
Camilla Udjus (Oslo, Norway), Bente Halvorsen, Pål Aukrust, Geir Christensen, Ole Henning Skjøsberg, Karl-Otto Larsen
-
- PA5050** **Differential expression of miRNAs present in plasma and contained within circulating microparticles in precapillary pulmonary hypertension.**
Júlia Oto (Valencia, Spain), Olga Tura-Ceide, Veronica Sánchez-López, Jeisson Osorio, Cristina Bonjoch, David Hervás, Elena Arellano, Pilar Medina, Isabel Blanco, Victor I Peinado, Remedios Otero, Joan Albert Barberà
-
- PA5051** **Alterations in circulating helper T-cells in idiopathic pulmonary arterial hypertension**
Denise van Uden (Rotterdam, Netherlands), Menno Van Nimwegen, Thomas Koudstaal, Peter Heukels, Jennifer Van Hulst, Karin Boomars, Rudi Hendriks, Mirjam Kool
-
- PA5052** **Comparative analysis of the plasma metabolomics in rodent models of pulmonary hypertension and patients with IPAH shows different metabolic signatures**
Junhan Zhao (Beijing, China), Yangyang He, Shanshan Guo, Yi Yan, Zhe Wang, Jue Ye, Jinlan Zhang, Yong Wang, Xiaobin Pang, Zhicheng Jing, Zhiyan Han
-
- PA5053** **Implication of Enhancer of Zeste Homolog 2 in Pulmonary Arterial Hypertension**
Olivier Boucherat (Québec (QC), Canada), Sébastien Bonnet, Karima Habbout, Junichi Omura, Roxane Paulin, Steeve Provencher
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- PA5054** **Inhibition of Monoamine Oxidase A in pulmonary artery banding-induced right heart failure**
Eva Peters (Amsterdam, Netherlands), Xiaoqing Sun, Stine Andersen, Julie Birkmose Axelsen, Ingrid Schalijs, Willem Van Der Laarse, Asger Andersen, Harm Jan Bogaard, Frances Handoko - De Man, Anton Vonk Noordegraaf
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- PA5055** **Survivin inhibition as a potential target for pulmonary arterial hypertension**
Isabel Blanco (Barcelona, Spain), Maribel Marquina, Olga Tura-Ceide, Victor Ivo Peinado, Joan Albert Barberà

- PA5056 Macitentan treatment improves the dysfunctional right ventricle in a sugen/hypoxic rat model of pulmonary hypertension**
Gerard Murphy (Glasgow (Glasgow), United Kingdom), Geeshath Jayasekera, James Mullin, Lindsay Gallagher, Yvonne Dempsie, David J Welsh

RETIRO

Session 513

14:45 - 16:45

Poster discussion: Asthma and the world

Disease(s) : **Airway diseases**

Method(s) : Epidemiology General respiratory patient care Physiology Public health Pulmonary function testing

Chairs : Christer Janson (Uppsala, Sweden), Peter Burney (London, United Kingdom)

- PA5057 Late Breaking Abstract - Asthma control in preschool and subsequent disease remission**
Cristina Longo (Amsterdam, Netherlands), Lucie Blais, Marni Brownell, Jaqueline Quail, Mohsen Sadatsafavi, Amélie Forget, Wenbin Li, Hamid Tavakoli, Angela Tan, Robert W. Platt, Francine M. Ducharme
- PA5058 Prevalence of severe asthma – results from a population-based study.**
Lina Rönnebjerg (Västra Frölunda, Sweden), Malin Axelsson, Adina Pascu, Helena Backman, Hannu Kankaanranta, Bo Lundbäck, Linda Ekerljung
- PA5059 Female gender, uncontrolled asthma, and confounding bias in a ‘real life’ population study.**
Miguel Santibanez (Santander (Cantabria), Spain), Jose Ramon Fernandez-Fonfria, Juan Luis Garcia-Rivero, Juan Carlos Lopez-Caro, Ana Viejo, Jaime Ruiz-Pérez, Esperanza Rueda, Mariano Rodríguez, Sandra Ortiz, Roberto Garrastazu, Jose Hernandez-Urculo, Cruz Martinez-Pérez, Borja Del Rivero, Francisca Gomez-Molleda, Margarita Hierro
- PA5060 Severe asthma: one disease many definitions**
Diego Bagnasco (GENOVA (GE), Italy), Chiara Folli, Andrea Manfredi, Francesco Menzella, Marco Caminati, Pier Luigi Paggiaro, Francesco Blasi, Enrico Heffler, Giorgio Walter Canonica, Giovanni Passalacqua
- PA5061 Childhood allergies and obesity relationship: Identification of novel non-invasive biomarkers**
Houman Goudarzi (Sapporo, Japan), Satoshi Konno, Atsuko Araki, Sachiko Ito, Yu Ait Bamai, Chihiro Miyashita, Reiko Kishi
- PA5062 Concomitance of maternal asthma and preeclampsia and asthma risk in the offspring**
Guo-Qiang Zhang (Gothenburg, Sweden), Mika Gissler, Graham Devereux, Seif Shaheen, Harry Mcardle, Aziz Sheikh, Bright I Nwaru
- PA5063 Life-years lost due to asthma**
Sven-Arne Jansson (Umeå, Sweden), Linnea Hedman, Caroline Stridsman, Malin Axelsson, Hedi Katre Kriit, Anne Lindberg, Bo Lundbäck, Eva Rönmark, Helena Backman
- PA5064 Differences of FENO in adult general populations of Nordic regions**
Paul Lassmann-Klee (Helsinki, Finland), Ben Brumpton, Anne Hildur Henriksen, Matz Larsson, Britt-Marie Sundblad, Jaak Pölluste, Ari Lindqvist, Linnea Hedman, Helena Backman, Eva Rönmark, Arnulf Langhammer, Päivi Piirilä, Anssi R.A. Sovijärvi
- PA5065 Association between neighbourhood environment and asthma quality of life: Results of the EQUIPROBE-Asthma study**
Aratrika Das (Kolkata (West Bengal), India), Smriti Debnath, Prasun Haldar, Ritabrata Mitra, Soumya Sengupta, Atanu Ghosh, Metin Akgün, Nicola Murgia, Saibal Moitra, Subhabrata Moitra
- PA5066 Comorbidities, hypersensitivity and biomarkers in a real-world US nasal polyps population**
Megan Scott (Macclesfield, United Kingdom), Mark Small
- PA5067 Effects of smoking and asthma in pregnant women**
Sadia Khan (BORDEAUX Cedex, France), Antoine Deschildre, Jacques De Blic, Christophe Marguet, Emeline Scherer, Gabriel Reboux, Marie-Christine Delmas, Benedicte Leynaert, Steffi Rocchi, Laurence Millon, Marie-Noelle Dufourg, Corinne Bois, Marie-Aline Charles, Chantal Raheison
- PA5068 Prognostic traits: toward precision medicine in chronic airway disease**
Signe Vedel Krogh (Herlev, Denmark), Sune Nielsen, Børge Nordestgaard, Peter Lange, Jørgen Vestbo
- PA5069 The influence of deprivation on asthma control: findings from the WATCH study**
Matt Harvey (Gosport (Hampshire), United Kingdom), Adnan Azim, Colin Newell, Kerry Gove, Deborah Knight, Karen Long, Han Michael Hitachi, Ramesh Kurukulaaratchy
- PA5070 Asthma exacerbation patterns in middle-aged and older adults; the Rotterdam Study**
Emmely W. de Roos, Lies Lahousse, Arfan Ikram, Bruno Stricker, Guy Brusselle

-
- PA5071** **Prevalence of asthma, respiratory symptoms and allergic diseases in children aged 6-9 in Katowice (Poland)**
Grzegorz Brożek (Katowice, Poland), Mateusz Jankowski, Agnieszka Jarosinska, Jan Zejda, Krzysztof Kocot, Justyna Gawlewicz, Joanna Lenart, Maciej Nowak, Wojciech Mrowicki, Bartłomiej Nowak
-
- PA5072** **Statin use associated with reduced risk of asthma: a meta-analysis**
Eskild Morten Landt (Koege, Denmark), Nuwan Jayamanne, Suzan Al-Shuweli, Morten Dahl
-
- PA5073** **Asthma, asthma control and risk of stroke: the Nord-Trøndelag Health Study (HUNT)**
Aivaras Cepelis (Trondheim, Norway), Ben Brumpton, Lars Laugsand, Arnulf Langhammer, Imre Janszky, Linn Strand
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8B Session 521 08:30 - 10:30

Year in review: Paediatric Year in review

Aims : to update the audience on four topics in paediatric respiratory medicine; to highlight the most recent and significant literature and developments relating to these topics.

Disease(s) : Paediatric respiratory diseases Respiratory infections Sleep and breathing disorders

Method(s) : Endoscopy and interventional pulmonology Epidemiology General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Paediatrician, Scientist (basic, translational), Student, Trainee

Chairs : Jonathan Grigg (London, United Kingdom), Anne Bernadette Chang (Brisbane (QLD), Australia)

08:30	Respiratory infections in children: from respiratory syncytial virus to tuberculosis Marijke Proesmans (Leuven, Belgium)	5104
09:00	Paediatric interventional bronchology: catching up with new technology? Juan L. Anton-Pacheco (Madrid, Spain)	5105
09:30	A wake-up call on paediatric sleep Francois Abel (London, United Kingdom)	5106
10:00	Prevention of asthma development Franca Rusconi (Firenze (FI), Italy)	5107

7A Session 522 08:30 - 10:30

Hot topics: Vaccines against respiratory infections

Vaccines: do they work and can we trust them?

Aims : to address confidence in the use of vaccines; to report new vaccines against TB; to present the significant effects of pneumococcal vaccines on disease incidence, antibiotic resistance and microbial epidemiology; to discuss how uptake of the annual influenza vaccine has been variable, passive immunisation may be more effective than antiviral agents and future vaccines may soon be sufficiently generic to avoid the need for annual vaccination.

Disease(s) : Respiratory infections

Method(s) : Cell and molecular biology Epidemiology General respiratory patient care

Tag(s) : Translational

Target audience : Clinical researcher, General practitioner, Paediatrician, Patient, Policy maker, Scientist (basic, translational), Trainee, Adult pulmonologist/Clinician

Chairs : Laetitia Huiart (Strassen, Luxembourg), Tobias Welte (Hannover, Germany)

08:30	Vaccine confidence: how is it measured and what can we do about it? Barbara Rath (Berlin, Germany)	5108
09:00	Moving tuberculosis vaccines from theory to practice Peter Andersen (Copenhagen, Denmark)	5109
09:30	Pneumococcal and Hemophilus vaccination: real world effectivity including pulmonary diseases Antoni Torres (Barcelona, Spain)	5110
10:00	Influenza vaccination in COPD Matthias Herrmann (Basel, Switzerland)	5111

9E Session 523 08:30 - 10:30

Symposium: Respiratory medicine meets dermatology

A joint ERS/European Academy of Dermatology and Venereology session

Aims : to explore relations between the skin and the lungs, at pathophysiological and clinical level; to describe cutaneous lesions that may alert physicians and specially the pulmonologist to look for particular respiratory lesions (in atopic dermatitis/asthma, connective tissue diseases and granulomatous diseases); to recognize cutaneous adverse effects of drugs used particularly in oncology.

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology

Method(s) : Cell and molecular biology Imaging Pulmonary function testing General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Physiologist, Physiotherapist, Radiologist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Guy Brusselle (Ghent, Belgium), Margarida Gonçalo (Coimbra, Portugal)

08:30	Atopic dermatitis and asthma: two versions of the same disease? Peter Schmid Grendelmeyer (Zürich, Switzerland)	5112
09:05	Auto-immune diseases affecting the lung and skin Margarida Gonçalo (Coimbra, Portugal)	5113
09:40	Respiratory drug-induced skin diseases Onofre Sanmartin (Valencia, Spain)	5115
10:15	Panel discussion	5114

9A Session 524 08:30 - 10:30

Clinical trials session: ALERT: Abstracts Leading to Evolution in Respiratory Medicine Trials: Intensive care and infection

Aims : to present important clinical trials in respiratory medicine; to summarise key findings and discuss with the audience experts conclusions, to bring clinical trial's abstracts into the clinical context. This session is led by a chair and two expert discussants who will facilitate the discussions and summarise key messages.

Disease(s) : **Respiratory infections** **Respiratory critical care**

Target audience : Adult pulmonologist/Clinician, Thoracic oncologist, Trainee, Clinical researcher, Critical/Intensive care physician, General practitioner, Scientist (basic, translational)

Chairs : Francesco Blasi (Milan, Italy)

Discussants : Stefano Aliberti (Milan, Italy), Jordi Rello (Barcelona, Spain)

RCT5096	Late Breaking Abstract - Effects of a fully automated vs conventional ventilation on ventilator settings during postoperative ventilation in cardiac surgery patients: a randomized clinical. Marcus Schultz (Amsterdam, Netherlands), Ashley De Bie Dekker, Ary Serpa Neto, David Van Meenen, Arthur Bouwman, Arnout Roos, Joost Lameijer, Erik Korsten, Marcus Schultz, Alexander Bindels
RCT5097	Late Breaking Abstract - The efficacy of heated humidifier high-flow nasal cannula compared with noninvasive positive-pressure ventilation in prevention of reintubation in patients with prolonged mechanical ventilation Chi-Wei Tseng (New Taipei City, Taiwan), Chi-Wei Tseng, Ke-Yun Chao, Chen-En Chiang, Wei-Lun Liu, Wen-Ru Chou, Hsiu-Li Wu, Chen-Chun Lin
RCT5098	Late Breaking Abstract - SUPRAnav: A Clinical Trial Evaluating the Efficacy and Safety of a New Invention Device Designed for Continuous Supraglottic Aspiration in Mechanically Ventilated Patients. Alba Lucia Ramirez Sarmiento (FLORIDABLANCA, Colombia), Alba Lucia Ramirez Sarmiento, Carlos Reyes, Diana Cáceres, Nidya López, Karen Pedrozo, Angela Espitia, Diana Rey, Anderson Bermon, Camilo Pizarro, Mauricio Orozco-Levi
RCT5099	Late Breaking Abstract - Cost-effectiveness of outpatient (OP) vs. inpatient (IP) setup of home non-invasive ventilation (NIV) in obesity hypoventilation syndrome (OHS): A Randomised Clinical Trial Nicholas Hart (London, United Kingdom), Patrick B. Murphy, Maxime Patout, Clare Flach, Gill Arbane, Antoine Cuvelier, Abdel Douiri, Mark Elliott, George Kaltsakas, Swapna Mandal, Jean-Louis Pepin, Michael I. Polkey, Nicholas Hart
	Wrap-up by discussant and discussion Jordi Rello (Barcelona, Spain)
RCT5100	Low Dose Azithromycin Prophylaxis in Primary Antibody Deficiencies Cinzia Milito (Rome, Italy), Cinzia Milito, Federica Pulvirenti, Stefano Tabolli, Maria Carrabba, Giovanna Fabio, Rosamaria Delle Piane, Maria Cristina Pietrogrande, Francesco Cinetto, Carlo Agostini, Alessandro Plebani, Vassilios Lougaris, Anna Rosa Soresina, Andrea Matucci, Alessandra Vultaggio, Giuseppe Spadaro, Antonio Pecoraro, Baldassarre Martire, Isabella Quinti
RCT5101	Oral antibiotics vs placebo for exacerbations of paediatric bronchiectasis Vikas Goyal (Brisbane (QLD), Australia), Vikas Goyal, Keith Grimwood, Rob Ware, Catherine Brynes, Peter Morris, Ian Masters, Gabrielle McCallum, Michael Binks, Heidi Smith-Vaughan, Kerry-Ann O'Grady, Anita Champion, Helen Buntain, André Schultz, Mark Chatfield, Paul Torzillo, Anne Chang
RCT5102	Late Breaking Abstract - Efficacy and safety of azithromycin maintenance therapy in primary ciliary dyskinesia – The BESTCILIA randomized placebo-controlled trial Helene Kobbarnagel (København Ø, Denmark), Helene Kobbarnagel, Frederik F. Buchvald, Eric G. Haarman, Carmen Casaulta, Samuel A. Collins, Claire Hogg, Claudia E. Kuehni, Jane S. Lucas, Heymut Omran, Alexandra L. Quittner, Claudius Werner, Susanne Rosthøj, Anne L. Sørensen, Kim G. Nielsen

Wrap-up by discussant and discussion
Stefano Aliberti (Milan, Italy)

9C Session 525 08:30 - 10:30

Hot topics: The Human Lung Cell Atlas

New insights into lung disease through single-cell technologies

Aims : to introduce the current status of single-cell technologies for studying lung biology in health and disease; to explain the international Human Cell Atlas initiative to the respiratory community; to present the first results of single-cell approaches for charting the cellular landscape and cell-cell interactomes in the healthy lung as well as in airway and interstitial lung diseases.

Disease(s) : Airway diseases Interstitial lung diseases Paediatric respiratory diseases

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Imaging Physiology

Tag(s) : Basic science

Target audience : Allergist, Clinical researcher, Paediatrician, Pathologist, Patient, Physiologist, Scientist (basic, translational), Student, Adult pulmonologist/Clinician, Trainee

Chairs : Kerstin Meyer (Cambridge, United Kingdom), Maarten van den Berge (Groningen, Netherlands)

08:30	The Human Lung Cell Atlas in health and disease: revealing novel cell states of the bronchial epithelium in asthma Martijn C. Nawijn (Groningen, Netherlands)	5116
09:00	What can we learn about COPD from single-cell genomics? Joachim Schultze (Bonn, Germany)	5117
09:30	Single-cell RNA sequencing reveals novel cell differentiation dynamics in the human airway epithelium Pascal Barbry (Valbonne, France)	5118
10:00	Longitudinal single-cell transcriptomics of lung regeneration reveal novel cell fate trajectories Herbert Schiller (Munich, Germany)	5119

9D Session 526 08:30 - 10:30

Hot topics: Inhaled medicines and biological therapies in the current era of systemic treatments

Aims : to explore the recent rapid advances in innovative inhaled biological therapies and their clinical translation; to consider solutions to problems that are impeding the translation of basic science findings into clinically useful treatments.

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology General respiratory patient care

Tag(s) : Basic science

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Paediatrician, Pathologist, Scientist (basic, translational), Student, Adult pulmonologist/Clinician

Chairs : Omar S. Usmani (London, United Kingdom), Ian M. Adcock (London, United Kingdom)

08:30	Understanding the behaviours of inhaled biologicals at the airway epithelium Nathalie Heuzé-Vourc'h (Tours, France)	5120
09:00	Inhaled antibodies: targeting tumour necrosis factor receptor 1 and thymic stromal lymphopoietin Charlotte Summers (Cambridge (Cambridgeshire), United Kingdom)	5121
09:30	Inhaled and small molecules therapeutics to fight respiratory syncytial virus infection in newborn lung Mark Ackermann (Corvallis, United States of America)	5122
10:00	Advances in treatment of complex lung disease: will targeted therapy with anticalins be clinically applied in the near future? Gary P. Anderson (Parkville (VIC), Australia)	5123

8C Session 527 08:30 - 10:30

Symposium: Locally advanced non-small cell lung cancer in 2019: novel diagnostic and therapeutic strategies to tackle complex stage III disease

A joint ERS/ESTRO/ESTS session

Aims : to enhance understanding of differential treatment algorithms for definitive radiochemotherapy or resection in combination with systemic therapy (and radiotherapy) in patients with locally advanced non-small cell lung cancer (NSCLC); to discuss the new options of targeted therapy and immunotherapy in this potentially curative setting.

Disease(s) : Thoracic oncology**Method(s) :** Endoscopy and interventional pulmonology Imaging Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Lung function technologist, Nurse, Pathologist, Patient, Physiotherapist, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Rudolf M. Huber (Munich, Germany), Enrico Ruffini (Torino (TO), Italy)

08:30	Diagnostic work-up in stage III NSCLC including assessment of fitness for radical therapy Joost Gerard van den Aardweg (Heemstede, Netherlands)	5124
09:00	New standards and clinical trials of systemic therapies for stage III NSCLC: is there a role for targeted therapies or immunotherapies? Rainer G. Wiewrodt (Münster, Germany)	5125
09:30	Modern radiotherapy as a curative treatment modality for stage III NSCLC Esther Troost (Dresden, Germany)	5126
10:00	Prerequisites, potential and limits of thoracic surgery with curative intent for stage III NSCLC David Waller (London, United Kingdom)	5127

9F Session 528 08:30 - 10:30

Guidelines session: Guidelines for long-term non-invasive ventilation in chronic obstructive pulmonary disease

ERS guidelines

Aims : to describe the new ERS guidelines for long-term non-invasive ventilation in COPD; to provide a practical approach for long-term non-invasive ventilation; to address aspects not covered by the current guidelines.**Disease(s) :** Airway diseases Respiratory critical care Sleep and breathing disorders**Method(s) :** Epidemiology General respiratory patient care Physiology Pulmonary rehabilitation Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Clinical researcher, Critical/Intensive care physician, General practitioner, Nurse, Patient, Physiologist, Physiotherapist, Policy maker, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Simon Oczkowski (Hamilton, ON, Canada), Begüm Ergan (Izmir, Turkey)

08:30	Clinical approach to non-invasive ventilation in COPD Wolfram Windisch (Cologne, Germany)	5128
09:00	ERS guidelines: the employed methodology Bram Rochweg (Hamilton (ON), Canada)	5129
09:30	ERS guidelines: treatment options and recommendations Raffaele Scala (Arezzo, Italy)	5130
10:00	Practical considerations: comorbidities, pitfalls and individual cases Sarah Schwarz (Köln, Germany)	5131

8A Session 529 08:30 - 10:30

Oral presentation: Old and new approaches to support tobacco cessation

Disease(s) : Respiratory critical care Sleep and breathing disorders Airway diseases Thoracic oncology Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** General respiratory patient care Public health Epidemiology Pulmonary rehabilitation**Chairs :** Sofia Belo Ravara (Covilhã, Portugal), Keir E. Lewis (Llanelli (Dyfed), United Kingdom)

OA5132	Quality Improvement Project to improve use of Very Brief Advice to inpatient smokers in an acute respiratory ward Chuen Ryan Khaw (London, United Kingdom), Mumta Kanda, Eleanor Granger, Miski Osman, Cheuk Ng, Salma Haji-Hussein, Robin Howard Johns
OA5133	Effect of quitting smoking on quality of life following a diagnosis of lung cancer Rachel Gemine (Llanelli (Dyfed), United Kingdom), Robin Ghosal, Gareth Collier, Keir Lewis
OA5134	A meta-analysis of the effectiveness of smart phone applications to aid smoking cessation Adrian Barnett (Woolloongabba, Australia), Ian Yang, Karen Hay, Hang Ding, Rayleen Bowman, Kwun Fong, Henry Marshall

- OA5135** **Electronic cigarettes for smoking cessation: an individual patient meta-analysis of randomized controlled trials**
Ralph Elvi Villalobos (Manila, Philippines), Gene Philip Louie Ambrocio, Lenora Fernandez
-
- OA5136** **Effectiveness of free-of-charge smoking cessation medicine distribution campaigns**
Elif Dagli (Istanbul, Turkey), Osman Elbek, Ban Salepci, Fusun Yildiz, Pinar Ay, Ummuhan Sonmez, Murat Guner, Murat Ceyhan, Tanzer Gezer
-
- OA5137** **Smoking during hospitalization and 1-month after discharge in Southern European countries**
Sofia Belo Ravara (Covilhã, Portugal), Cristina Martinez, Ariadna Feliu, Marta Enriquez, Laura Anton, Ruth Ripoll, Àngels Ruz, Ivone Pascoal, Lidia Videira, Soraia Ferreira, Cláudia Correia, José Precioso, Esteve Fernández
-
- OA5138** **Smoking cessation services in Russia: do we meet the demand? Results from Russian tobacco control policy evaluation survey**
Marine Gambaryan (Moscow, Russian Federation), Anna Kalinina, Marina Popovich, Michail Starovoytov, Marina Popovich, Oxana Drapkina

9B **Session 530** **08:30 - 10:30**

Oral presentation: The microbiome: novel data across respiratory diseases

Disease(s) : **Airway diseases**

Method(s) : Imaging Cell and molecular biology Respiratory intensive care General respiratory patient care Physiology Pulmonary function testing

Chairs : Stuart Elborn (Belfast (Belfast), United Kingdom), Jodie Simpson (New Lambton, Australia)

- OA5139** **Late Breaking Abstract - Use of non-tuberculous mycobacteria (NTM) specific antigens to detect NTM infection**
Raquel Villar Hernández (Badalona, Spain), Irene Latorre, Zoran Stojanovic, Antoni Noguera-Julian, María Luiza Souza-Galvão, María Méndez, Carlos Rodrigo, Josefina Sabriá, Carmen Martos, Jose Ramón Santos, Jordi Puig, Nàlia López, Aina Martínez-Planas, Antonio Soriano-Arandes, Maria Angeles Jiménez, Marisol Domínguez, Laura Minguell, Juan Pau Millet, Neus Altet, Irma Casas, Alicia Marín, Yolanda Galea, Beatriz Muriel-Moreno, Esther García-García, Miguel Pérez, Juan Ruiz Manzano, Cristina Prat, Jordi B Torrelles, José Domínguez
-
- OA5140** **16S rRNA gene sequencing improves microbial diagnosis of culture-negative pleural effusions**
Archit Chawla (Glenwood, Australia), Anthony Byrne
-
- OA5141** **The airway 'resistome' in chronic respiratory disease: a metagenomics approach**
Micheál Mac Aogáin (Singapore, Singapore), Cai Zhao, Rikky W Purbojati, Daniela I Drautz-Moses, Albert Lim Yick Hou, Teck Boon Low, Thun How Ong, Mariko Siyue Koh, John Abisheganaden, Liang Yang, Stephan C Schuster, Sanjay Haresh Chotirmall
-
- OA5142** **Neutrophil extracellular traps and the lung microbiome in bronchiectasis**
Holly Rachael Keir (Dundee (Angus), United Kingdom), Christopher J Fong, Brandon Tan, Jeffrey Huang, Alison Dicker, James D Chalmers
-
- OA5143** **Longitudinal examination of bronchiectasis sputum allows the early Pseudomonas aeruginosa detection**
Laia Fernández-Barat (Barcelona, Spain), Nil Vázquez, Victòria Alcaraz, Lena Lingren, Leticia Bueno, Daniel Martínez, Elena Gonzalvo, Rosanel Amaro, Adrian Ceccato, Giulia Scioscia, Laura Muñoz, Jorge Puig De La Bellacasa, Patricia Oscanoa, Albert Gabarrús, Rosario Menéndez, Niels Høiby, Antoni Torres
-
- OA5144** **Microbiota educates innate immune response to Toll-like receptors stimulation and RSV infection in lung**
Quentin Marquant (Jouy-en-Josas, France), Daphné Laubretton, Carole Drajac, Elliot Mathieu, Marie-Louise Noordine, Aude Remot, Sabine Riffault, Muriel Thomas, Delphyne Descamps
-
- OA5145** **Relationship between a detection of anaerobes in the lung and poor oral hygiene; using the bacterial floral analysis of 16S rRNA gene**
Toshinori Kawanami (Kitakyushu City, Japan), Shingo Noguchi, Kei Yamasaki, Ryosuke Hata, Hiroaki Ikegami, Kaori Kato, Hiroshi Mukae, Kazuhiro Yatera
-
- OA5146** **Non-tuberculosis mycobacterium related bronchiectasis is associated with oral commensals in the lower airway**
Imran Sulaiman (Dublin 8, Ireland), Benjamin Wu, Jun-Chieh Tsay, Yonghua Li, Adrienne Scott, Ashwin Basavaraj, Jamie Bessich, Gaetane Michaud, Samaan Rafeq, Jessica Donington, Rany Condos, David Kamelhar, Doreen Addrizzo-Harris, Leopoldo Segal

6F **Session 531** **08:30 - 10:30**

Oral presentation: Management of airway diseases in primary care

Disease(s) : **Respiratory critical care** **Airway diseases**

Method(s) : General respiratory patient care Public health Epidemiology

Chairs : Ee Ming Khoo (Kuala Lumpur, Malaysia), Janwillem W. H. Kocks (Groningen, Netherlands)

Effect of screening for undiagnosed COPD on respiratory hospitalisation and mortality; 4 year follow up of the TargetCOPD trial

OA5147 Peymane Adab (Birmingham (West Midlands), United Kingdom), David Fitzmaurice, James Martin, Alice Sitch, Kk Cheng, Amanda Daley, Andrew Dickens, Alexandra Enocson, Sheila Greenfield, Kate Jolly, Sue Jowett, Martin Miller, Richard Riley, Stanley Siebert, Robert Stockley, Alice Turner, Shamil Haroon, Rachel Jordan

Exploring low-resource contexts to prepare for lung interventions – a mixed-method FRESH AIR study

OA5149 Frederik van Gemert (Harlingen, Netherlands), Evelyn Brakema, Rianne Van Der Kleij, Charlotte Poot, Bruce Kirenga, Pham Le An, Christos Lionis, Talant Sooronbaev, Mattijs Numans, Niels Chavannes, Matty Crone, Ria Reis

Effects of implementing improved cookstoves and heaters to reduce household air pollution: a FRESH AIR study

OA5148 Frederik van Gemert (Harlingen, Netherlands), Corina De Jong, Bruce Kirenga, Patrick Musinguzi, Shamim Buteme, Talant Sooronbaev, Aizhamal Tabyshova, Berik Emilov, Maamed Mademilov, An Pham Le, Quynh Nguyen Nhat, Dang Tran Ngoc, Hong Le Huynh Thi Cam, Ryan Chartier, Job Van Boven

Alternative therapies in treatment of asthma in Reunion Island.

OA5150 Bashir Omarjee (Saint-Denis (La Réunion), Reunion)

Reliever overuse when treatable traits go untreated.

OA5151 Elizabeth Azzi (Sydney (NSW), Australia), Vicky Kritikos, David Price, Matthew Peters, Pamela Srour, Biljana Cvetkovski, Sinthia Bosnic-Anticevich

Personalised FeNO-driven asthma management in Primary Care

OA5152 Persijn Honkoop (Leiden, Netherlands), Suzanne Boer, Rik Loijmans, Jiska Snoeck-Stroband, Willem Assendelft, Tjard Schermer, Jaap Sont

Triple Therapy Pathways: A Multi-Country, Retrospective Observational Study in Chronic Obstructive Pulmonary Disease (COPD)

OA5153 Jennifer Quint (Wimbledon, United Kingdom), Caroline O'Leary, Alessandra Venerus, Melissa Myland, Nicholas Hudson, Ulf Holmgren, Precil Varghese, Hartmut Richter, Geoffray Bizouard, Claudia Cabrera

N103

Session 532

08:30 - 10:30

Oral presentation: Granulomatous disorders: from bench to bedside

Disease(s) : [Interstitial lung diseases](#) [Pulmonary vascular diseases](#)

Method(s) : Epidemiology General respiratory patient care Cell and molecular biology Imaging Pulmonary function testing

Chairs : Hilario Nunes (Bobigny, France), Paolo Spagnolo (Padova (PD), Italy)

Single Cell RNA Sequencing profiles Distinct BAL Cell Subpopulations in Sarcoidosis.

OA5154 Antje Prasse (Hannover, Germany), Jonas Schupp, Taylor Adams, Benedikt Jäger, George Deluiis, Farida Ahangari, Naftali Kaminski

Validation of the Sarcoidosis Diagnostic Score in a multinational study

OA5155 Florence Jeny (Bobigny, France), Violeta Vucinić, Deepak Talwar, Parthasarathi Bhattacharyya, Irina Strambu, Elise E Lower, Dominique Valeyre, Robert P Baughman

Maternal and fetal outcomes in sarcoidosis pregnancy: a Swedish population-based cohort study

OA5156 Elizabeth Arkema (Stockholm, Sweden), Laura Köcher, Marios Rossides, Katarina Remaeus, Johan Grunewald, Anders Eklund, Susanna Kullberg

Lung involvement in childhood Langerhans cell histiocytosis, A multi-institutional study from the french LCH study group

OA5157 Ralph Epaud (Creteil, France), Jean Donadieu, Jessica Kabla-Assouline, Raphael Chiron, Sébastien Héritier, Valeria Della Valle, Celine Delestrain, Marianne Kambouchner, Hubert Ducou- Le Pointe

Difference in chest HRCT findings in relation to ANCA subtypes in ANCA-associated vasculitis

OA5158 Sakae Homma (Tokyo, Japan), Yusuke Usui, Aika Suzuki, Susumu Sakamoto, Atsuko Kurosaki, Yasuyuki Kurihara, Ken-Ei Sada, Masayoshi Harigai

Prediction of corticosteroid responder in newly diagnosed cardiac sarcoidosis patients with complete heart block

OA5159 Hiroshi Ohira (Sapporo, Japan), Keiichiro Yoshinaga, Shinya Sakiyama, Toshitaka Nakaya, Naoko Suzuki, Ayako Sugimoto, Akiko Hayashishita, Osamu Manabe, Noriko Oyama-Manabe, Taku Watanabe, Ichizo Tsujino

Serious infections in sarcoidosis and the effect of treatment

OA5160 Marios Rossides (Stockholm, Sweden), Susanna Kullberg, Anders Eklund, Johan Grunewald, Elizabeth Arkema

N104

Session 533

08:30 - 10:30

Oral presentation: Chronic thromboembolic pulmonary hypertension

Disease(s) : Pulmonary vascular diseases**Method(s) :** Pulmonary rehabilitation Epidemiology Imaging Physiology Pulmonary function testing Cell and molecular biology General respiratory patient care Surgery**Chairs :** Joanna Pepke-Zaba (Cambridge (Cambridgeshire), United Kingdom), Gérald Simonneau (Le Kremlin-Bicêtre, France)

- OA5161** **Direct oral anticoagulant use and thrombus detection in patients with chronic thromboembolic pulmonary hypertension referred for pulmonary thromboendarterectomy**
Ina Jeong (Seoul, Republic of Korea), Timothy Fernandes, Mona Alotaibi, Nick H. Kim
-
- OA5162** **The total cross-sectional area of bronchial arteries predicts the extent of persistent PH after endarterectomy**
Ayumi Sekine (Le Plessis-Robinson, France), Xavierr Jais, Yu Taniguchi, Mitja Jevnikar, Athénaïs Boucly, Laurent Savale, David Montani, Olivier Sitbon, Nobuhiro Tanabe, Marc Humbert, Gerald Simonneau
-
- OA5163** **An observational analysis of exercise capacity in CTEPH patients after pulmonary endarterectomy**
Dieuwertje Ruigrok (Amsterdam, Netherlands), Petr Symersky, Esther J. Nossent, Anco Boonstra, Anton Vonk Noordegraaf, Lilian J. Meijboom, Harm Jan Bogaard
-
- OA5164** **Predictors of physical activity in pulmonary arterial and chronic thromboembolic pulmonary hypertension**
Stéphanie Saxer (Zürich, Switzerland), Mona Lichtblau, Charlotte Berlier, Elisabeth Hasler, Esther Schwarz, Silvia Ulrich
-
- OA5165** **Long-term follow-up data about chronic thromboembolic disease**
Rika Suda (Tokyo, Japan), Nobuhiro Tanabe, Keiko Yamamoto, Akane Sasaki, Ayumi Sekine, Rintaro Nishimura, Takayuki Jujo, Ayako Shigeta, Toshihiko Sugiura, Seiichiro Sakao, Koichiro Tatsumi
-
- OA5166** **Effect of outdoor air pollution on chronic thromboembolic pulmonary hypertension (CTEPH)**
Katleen Swinnen (Leuven, Belgium), Rozenn Quarck, Esmée Bijmens, Lidia Casas, Marion Delcroix, Catharina Belge
-
- OA5167** **Decreased glycolysis as metabolic footprint of endothelial cells in chronic thromboembolic pulmonary hypertension**
Olga Tura-Ceide (Barcelona, Spain), Valérie F. Smolders, Cristina Rodríguez, Isabel Blanco, Jeisson Osorio, Lucilla Piccari, Cristina Bonjoch, Paul H.A Quax, Marta Cascante, Victor I. Peinado, Manuel Castellà, Joan Albert Barberà

6E

Session 534

08:30 - 10:30

Oral presentation: Bronchoscopic treatment of COPD: hot news**Disease(s) :** Airway diseases Thoracic oncology**Method(s) :** Endoscopy and interventional pulmonology General respiratory patient care Cell and molecular biology**Chairs :** Karin Klooster (Groningen, Netherlands), Michael Tamm (Basel, Switzerland)

- OA5168** **The value of lobar ventilation and perfusion in selecting targeted lobe for Endoscopic Lung Volume Reduction in COPD**
Li Yang (Chongqing, China), Nicole Hersch, Kevin Ho-Shon, Ciaan Perrera, Jonathan Williamson, Alvin Ing
-
- OA5169** **Targeted Lung Denervation modulates the bronchial epithelial transcriptome in COPD**
Karthi Srikanthan (London, United Kingdom), Loes Kistemaker, Dirk-Jan Slebos, Wolfgang Gesierich, Kaid Darwiche, Peter Bonta, Gaetan Deslee, Pallav Shah, Reinoud Gosens
-
- OA5170** **Real world safety of bronchoscopic thermal vapor ablation in a multinational registry**
Arschang Valipour (Wien, Austria), Felix Herth, Christian Grah, Ralf Eberhardt, Daniel Franzen
-
- OA5171** **Short term outcome of lung volume reduction with endobronchial valves in emphysema patients with a very low diffusion capacity**
Marlies van Dijk (Groningen, Netherlands), Karin Klooster, Nick H.T. Ten Hacken, T. David Koster, Jorine E. Hartman, Dirk-Jan Slebos
-
- OA5172** **Safety and Feasibility of Metered CryoSpray (MCS) for Patients with Chronic Bronchitis in COPD: 9 Month Results.**
Justin Leo Garner (Brentwood (Essex), United Kingdom), Christopher M Orton, Cielo Caneja, Don D Sin, Tawimas Shaipanich, Karin Klooster, Jorine Hartman, John Thornton, Dirk-Jan Slebos, Pallav L Shah
-
- OA5173** **Feasibility of endoscopic oxygen uptake measurement for target lobe selection in endobronchial valve treatment**
Jorrit Welling (Groningen, Netherlands), Karin Klooster, Jean-Paul Charbonnier, Eva Van Rikxoort, Clemens Barends, Huib Kerstjens, Nick Ten Hacken, Jorine Hartman, Dirk-Jan Slebos
-
- OA5174** **Patient-specific goals significantly improve after endobronchial valve treatment for emphysema**
Jorine E. Hartman (Groningen, Netherlands), Karin Klooster, Marlies Van Dijk, Nick. H.T. Ten Hacken, Dirk-Jan Slebos

N101+102

Session 535

08:30 - 10:30

Oral presentation: Current perspectives in obstructive sleep apnoea therapeutic plans and their effects

Disease(s) : **Sleep and breathing disorders** **Airway diseases**

Method(s) : General respiratory patient care Epidemiology Physiology

Chairs : Renata L. Riha (Edinburgh (Edinburgh), United Kingdom), Richard Staats (Murches, Portugal)

- OA5175** **Late Breaking Abstract - FACE: Cluster phenotyping predicting outcomes in a prospective multicenter cohort study of chronic heart failure (CHF) patients with central sleep disorder breathing (SDB) indicated for adaptive servo ventilation (ASV).**
Renaud Tamisier (Grenoble, France), Sebastien Bailly, Thibaud Damy, Jean-Marc Davy, Frederic Goutorbe, Florent Lavergne, Patrick Levy, Alain Palot, Johan Verbraecken, Marie-Pia D'Ortho, Jean-Louis Pepin
- OA5176** **Cardiovascular and metabolic events in the MOSAIC randomised controlled trial: 5-year follow-up data**
Christopher Turnbull (Oxford (Oxfordshire), United Kingdom), Ivan Tang, Sonya Craig, Malcolm Kohler, John Stradling
- OA5177** **No effect of adaptive servo-ventilation (ASV) device used on outcomes in SERVE-HF**
Holger Woehrle (Ulm, Germany), Martin R Cowie, Karl Wegscheider, Eik Vettorazzi, Christiane Angermann, Marie-Pia D'Ortho, Erland Erdmann, Patrick Levy, Anita K Simonds, Virend K Somers, Faiez Zannad, Helmut Teschler
- OA5178** **Effect of telemonitoring on adherence to continuous positive airway pressure in sleep apnea hypopnea syndrome.**
Olivier Contal (Boudry, Switzerland), Stéphanie Vaudan, Fanny Vienne, Angélique De Lys, Hiromitsu Takahashi, Séverine Bochet, Stéphane Grandin, Florian Charbonnier, Philippe Kehrer
- OA5179** **Effects of acetazolamide on sleep disordered breathing in patients with COPD staying at high altitude. RCT.**
Talanta Sooronbaev (Bishkek, Kyrgyzstan), Michael Furian, Lu Tan, Aline Buerger, Philipp M. Scheiwiller, Laura Mayer, Simon Schneider, Maamed Mademilov, Berik Emilov, Mona Lichtblau, Lara Mural, Alexandra Groth, Ulan Sheraliev, Nuriddin H. Marazhapov, Silvia Ulrich, Konrad E. Bloch
- OA5180** **Impact of PAP in reducing cardiovascular events in OSA patients: a 10-years follow-up**
Ana Catarina Alves Moreira (Lisboa, Portugal), Natália Martins, Mafalda Van Zeller, Marta Drummond
- OA5181** **Spousal relationship in obstructive sleep apnoea: a latent class analysis**
Sébastien Bailly (Grenoble, France), Thibaut Gentina, Elodie Gentina, Renaud Tamisier, Jean-Louis Pépin
- OA5182** **Effects of CPAP treatment on sex hormone levels in patients with obstructive sleep apnoea - data from two randomized, controlled trials**
Fabian Grewe (Zürich, Switzerland), Sira Thiel, Sarah R Haile, Mirko Peitzsch, Esther I Schwarz, Noriane A Sievi, Felix Beuschlein, Malcolm Kohler, Thomas Gaisl

6A

Session 536

08:30 - 10:30

Poster discussion: From biomarkers to treatment of immune-mediated interstitial lung disease: what's new?

Disease(s) : **Interstitial lung diseases**

Method(s) : General respiratory patient care Cell and molecular biology Epidemiology Pulmonary function testing Public health Palliative care

Chairs : Sissel Kronborg-White (Lystrup, Denmark), George Margaritopoulos (London, United Kingdom)

- PA5183** **Clinical characteristics of anti-Jo-1-positive interstitial lung disease**
Shihwan Chang (Seoul, Republic of Korea), Mi Hwa Shin, Ju Hye Shin, Moo Suk Park
- PA5184** **Health-related quality of life in children interstitial lung disease**
Nadia Nathan (Paris, France), Clara Lauby, Rola Abou Taam, Katia Bessaci, Jacques Brouard, Marie-Laure Dalphin, Christophe Delacourt, Céline Delestrain, Antoine Deschildre, Jean-Christophe Dubus, Michaël Fayon, Lisa Giovannini-Chami, Véronique Houdouin, Anne Houzel, Christophe Marguet, Isabelle Pin, Philippe Reix, Marie-Catherine Renoux, Cyril Schweitzer, Aurélie Tatopoulos, Caroline Thumerelle, Françoise Troussier, Stéphanie Wanin, Laurence Weiss, Annick Clement, Pierre-Yves Boelle, Ralph Epaud
- PA5185** **Long term outcomes of immunomodulatory drugs in SSc-ILD - data from the German SSc-network**
Michael Kreuter (Heidelberg, Germany), Francesco Bonella, Norbert Blank, Elise Siegert, Jörg Henes, Margitta Worm, Cord Sunderkoetter, Marc Schmalzing, Alexander Kreuter, Claudia Guenther, Laura Susok, Gabriele Zeidler, Ina Koetter, Ulf Mueller-Ladner, Thomas Krieg, Aaron Juche, Tim Schmeiser, Gabriela Riemekasten, Elisabeth Aberer, Noemi Gaebelein-Wissing, Jörg H. W. Distler, Miklos Sárdy, Christiane Pfeiffer, Kathrin Kuhr, Hanns-Martin Lorenz, Pia Moinszadeh, Nicolas Hunzelmann

- PA5186** **Death in ILD - Why aren't we talking about it?**
Anja Hudson (London, United Kingdom), Alana Hare, Lauren Berry, Linda Freeman, Peter George
-
- PA5187** **Factors associated with increased arterial stiffness in patients with chronic hypersensitivity pneumonitis**
Elena Leonova (Moscow, Russian Federation), Evgeny Shmelev
-
- PA5188** **Childhood Interstitial Lung disease: A Tertiary Single Center Experience**
Tuğba Şişmanlar Eyuboglu (Ankara, Turkey), Tugba Ramasli Gursoy, Ayse Tana Aslan, Zeynep Reyhan Onay
-
- PA5189** **Utility of myositis related antibodies in interstitial lung disease and suspected autoimmunity.**
Matias Florenzano Valdes (Santiago, Chile), Juan Maya, Felipe Reyes, Carolina Cuellar, Alexis Peralta, Viviana Balboa, Luis Toro, Veronica Wolff
-
- PA5190** **Prognostic factors in patients with EAA**
Pavel Sojka (Praha 4, Czech Republic), Martina Šterclová, Nikola Kaspříková, Martina Vašáková
-
- PA5191** **Utility of inhalation challenge test using avian egg for hypersensitivity pneumonia**
Ryo Okuda (Yokohama, Japan), Takuma Katano, Masato Asaoka, Yoshinori Uchida, Satoshi Ikeda, Ryota Ootoshi, Erina Tabata, Ryota Shintani, Hiroko Okabayashi, Takashi Niwa, Tsuneyuki Oda, Akimasa Sekine, Hideya Kitamura, Tomohisa Baba, Shigeru Komatsu, Eri Hagiwara, Takashi Ogura
-
- PA5192** **Biomarkers in peripheral blood from patients with chronic silicosis caused by artificial quartz agglomerates**
Antonio Leon Jimenez (Cádiz, Spain), Gema Jiménez Gómez, Antonio Hidalgo Molina, Antonio Córdoba Doña, Antonio Campos Caro
-
- PA5193** **Effects of nintedanib in patients with systemic sclerosis-associated ILD (SSc-ILD) and differing extents of lung fibrosis: the SENSICIS trial**
Ganesh Raghu (Seattle, United States of America), Oliver Distler, Arata Azuma, Aryeh Fischer, Kristin B. Highland, Masataka Kuwana, Maureen D. Mayes, Daniel Wachtlin, Susanne Stowasser, Margarida Alves, Martina Gahlemann, Toby M. Maher
-
- PA5194** **Variables associated with functional improvement in patients with interstitial lung disease and myositis related antibodies: Results from a multicentric Latin American study.**
Maria Laura Alberti (Buenos Aires, Argentina), Veronica Wolff, Felipe Reyes, Ernesto Juarez Leon, V Leiva, Gabriel Carballo, Jorge Rojas Serrano, Mayra Mejía, Leandro Fassola, Fabian Caro, Matias Florenzano, Francisco Paulin
-
- PA5195** **Evidence-based consensus recommendations for the identification and management of interstitial lung disease in systemic sclerosis**
Michael Kreuter (Heidelberg, Germany), Anna-Maria Hoffmann-Vold, Toby M Maher, Edward E Philpot, Ali Ashrafzadeh, Oliver Distler
-
- PA5196** **Nocturnal desaturation predicts mortality in immune-mediated ILDs**
George Margaritopoulos (London, United Kingdom), Athanasia Proklou, Diana Badenes Bonet, Felix Chua, Peter George, Maria Kokosi, Vasilis Kouranos, Elizabeth Renzoni, Katerina Antoniou, Athol Wells
-
- PA5197** **Verification of genetic associations with Scleroderma associated Interstitial Lung Disease**
Carmel Stock (London, United Kingdom), Angelo De Lauretis, Dina Visca, Cecile Daccord, Maria Kokosi, Veronica Alfieri, Vasilis Kouranos, George Margaritopoulos, Peter George, Philip Molyneaux, Felix Chua, Toby Maher, David Abraham, Christopher Denton, Voon Ong, Athol Wells, Elizabetta Renzoni
-
- PA5198** **Serum biomarkers in SSc-ILD: association with presence, severity and prognosis**
Carmel Stock (London, United Kingdom), Angelo De Lauretis, Dina Visca, Cecile Daccord, Maria Kokosi, Veronica Alfieri, Vasilis Kouranos, George Margaritopoulos, Peter George, Philip Molyneaux, Felix Chua, Toby Maher, Voon Ong, David Abraham, Christopher Denton, Athol Wells, Elizabetta Renzoni
-
- PA5199** **Effect of photobiomodulation on inflammation and production of TGF-β in experimental model of pulmonary fibrosis.**
Auriléia Aparecida De Brito Léia (Vargem Grande Paulista, Brazil), Karine Zanella Herculano, Tawany Gonçalves Santos, Nicole Cristine Rigonato-Oliveira, Cintia Estefano Alves, Renata Kelly Palma, Cristiano Rodrigo Alvarenga-Nascimento, Rodolfo Paula Vieira, Flavio Aimbire, Ana Paula Ligeiro-Oliveira

6B

Session 537

08:30 - 10:30

Poster discussion: Novel mechanisms elucidated by translational studies of asthma

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology Physiology Pulmonary function testing General respiratory patient care

Chairs : Francesca Polverino (Tucson, United States of America), Hermelijn H. Smits (Leiden, Netherlands)

- PA5200** **LSC - 2019 - Anti-IL5 in mild asthma alters rhinovirus-induced macrophage, B cell and neutrophil responses**
Yanaika Shari Sabogal Piñeros (Amsterdam, Netherlands), Yanaika Shari Sabogal Piñeros, Suzanne Bal, Marianne Van De Pol, Barbara Smids, Tamara Dekker, Annemiek Dijkhuis, Paul Brinkman, Koen Van Der Sluijs, Koos Zwinderman, Christof Majoor, Peter Bonta, Lara Ravanetti, Peter Sterk, Rene Lutter
- PA5201** **The role of eosinophils in airway hyperresponsiveness in diet-induced obese mice**
Gina Calco (Portland, United States of America), Becky Proskocil, David Jacoby, Allison Fryer, Zhenying Nie
- PA5202** **Biological role of lung-resident and inflammatory eosinophils in severe non-allergic eosinophilic asthma**
Andrius Januskevicius (Kaunas, Lithuania), Ieva Janulaityte, Virginija Kalinauskaite-Zukauske, Reinoud Gosens, Airidas Rimkūnas, Beatrice Tamasauskaite, Kestutis Malakauskas
- PA5203** **miR-122-5p and miR-191-5p are increased in plasma small extracellular vesicles in asthma**
Sabine Bartel (Groningen, Netherlands), Thomas Bahmer, Susanne Krauss-Etschmann, Dominik Buschmann, Jochen Behrends, Henrik Watz, Anne-Marie Kirsten, Frauke Pedersen, Benjamin Waschki, Oliver Fuchs, Michael Pfaffl, Erika Von Mutius, Klaus F. Rabe, Gesine Hansen, Matthias Kopp, Inke R. König
- PA5204** **Altered mitochondrial reactive oxygen species (ROS) production in airway smooth muscle cells of severe asthma.**
Bingling Xu (Shenzhen, China), Serkan Cakir, Christian Badhan, Christopher Hui, Kian Fan Chung, Pankaj Bhavsar
- PA5205** **Platelet indices as inflammatory markers in stable COPD**
Iva Hlapčić (Zagreb, Croatia), Marija Grdić Rajković, Andrea Hulina Tomašković, Anita Somborac Bačura, Ivana Rako, Andrea Vukić Dugac, Lada Rumora
- PA5206** **IL-4 and IL-13 act independently and synergistically to drive type 2 inflammation**
Jamie Orengo (Tarrytown, United States of America), Audrey Le Floc'H, Jeanne Allinne, Kirsten Nagashima, George Scott, Dylan Birchard, Seblewongel Asrat, Matthew Sleeman, Andrew Murphy
- PA5207** **Endobronchial biopsy gene expression between different severe asthma inflammatory phenotypes**
Stephany Sánchez-Ovando (Newcastle, Australia), Katie Baines, Daniel Barker, Peter Wark, Jodie L. Simpson
- PA5208** **Eosinophils promote airway smooth muscle cells differentiation to the contractile phenotype in asthma**
Ieva Janulaityte (Kaunas, Lithuania), Andrius Januskevicius, Virginija Kalinauskaite-Zukauske, Reinoud Gosens, Airidas Rimkunas, Greta Gabuzeviciute, Kestutis Malakauskas
- PA5209** **IL-13 regulates cilia loss and localization of cp110 in human nasal epithelium**
Jing Liu (München, Germany), Ying Ying Li, Hsiao Hui Ong, Kai Sen Tan, Ting Ting He, Kim Thye Thong, Yew Kwang Ong, De Yun Wang
- PA5210** **Distribution of Innate Lymphoid Cell populations in blood in different inflammatory phenotypes of asthma**
Gustav Orting Jorgensen (Copenhagen, Denmark), Trine Hilkjær Petersen, Alexander Wessely Silberbrandt, Lisa Elena Pflüger, Morten Hvidtfeldt, Celeste Porsbjerg, Charlotte Menné Bonefeld, Asger Sverrild
- PA5211** **The fraction of circulating type 2 innate lymphoid cells in peripheral blood is associated with asthma severity**
Alexander Silberbrandt (Hellerup, Denmark), Asger Sverrild, Gustav Ørting Jørgensen, Morten Hvidtfeldt, Laurits Frøssing, Lisa Elena Pflüger, Trine Hilkjær Petersen, Charlotte Menne Bonefeld, Celeste Porsbjerg
- PA5212** **Analysis of micronuclei in buccal epithelial cells from asthmatic patients**
Andrey Lintsov (st.Petersburg, Russian Federation), Nadezhda Pleskach, Irina Spivak, Pavel Slizhov, Sergei Shevelev, Boris Uslontsev, Vasiliy Trofimov, Victor Mikhelson
- PA5213** **Eosinophilopoietins receptors, TGF-β1 and outer-membrane integrins expression of lung-resident and inflammatory eosinophils in severe non-allergic eosinophilic asthma**
Andrius Januskevicius (Kaunas, Lithuania), Ieva Janulaityte, Virginija Kalinauskaite-Zukauske, Reinoud Gosens, Airidas Rimkunas, Beatrice Tamasauskaite, Kestutis Malakauskas
- PA5214** **Optogenetic activation of mouse airway parasympathetic neurons to provoke bronchoconstriction**
Alexandra Pincus (Portland, United States of America), Allison Fryer, David Jacoby
- PA5215** **Influence of IL-17 on transcriptional profiles of lung and peribronchial lymph nodes dendritic cells in steady and antigen exposed conditions**
Adan Chari Jirmo (Hannover, Germany), David S. Deluca, Ruth Grychtol, Oliver Dittrich-Breiholz, Christine Happle, Gesine Hansen
- PA5216** **Soluble biglycan promotes ovalbumin induced airway inflammation by modulating dendritic cell function in mice**
Andreas Zech (Wien, Austria), Sanja Cicko, Marco Idzko

- PA5217** **Increased METEORIN-LIKE (ML) expression promotes lung inflammation in asthma.**
Xin Yao (Nanjing (Jiangsu), China), Xiaoyi Yan, Man Jia, Jiayan Xu, Yaqi Meng, Jie Jiang, Xinyu Jiang, Yi Yang, Yingwei Ou, Juan Zhou, Stelios Pavlidis, Sharon Mumby, Fan Chung, Ian M Adcock, Hee Won Jung, Hyo-Jung Kim, You-Sook Cho, Tae-Bum Kim, Mao Huang

6C **Session 538** **08:30 - 10:30**

Poster discussion: Exacerbations of airway diseases

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology General respiratory patient care Physiology Epidemiology Public health

Chairs : Mona Bafadhel (Oxford (Oxfordshire), United Kingdom), Paul Kirkham (Wolverhampton (West Midlands), United Kingdom)

- PA5218** **LSC - 2019 - Plasma surfactant protein-D (SP-D) as a predictor of COPD severe acute exacerbation (SAE)**
Kateryna Gashynova (Dnipro, Ukraine), Kateryna Gashynova
- PA5219** **Use of a clothing adherent respiratory sensor to continuously monitor COPD patients at home**
Phil Golz, Neema Moraveji, Richard Murray, Mark Holt, Joanne Hollenbach, Maureen Crocker, Hadley White, Mark Phillips
- PA5220** **Acute exacerbation of COPD in Emergency Room: just COPD exacerbations?**
Mariaenrica Tine (Padova (PD), Italy), Graziella Turato, Kim Lokar Oliani, Erica Bazzan, Umberto Semenzato, Davide Biondini, Matteo Bonato, Marina Saetta, Manuel G. Cosio
- PA5221** **Cough reflex sensitivity: association with exacerbation frequency in chronic obstructive pulmonary disease**
Peter Siu Pan Cho (London, United Kingdom), Hannah V Fletcher, Irem S Patel, Caroline J Jolley, Richard D Turner, Surinder S Biring
- PA5222** **Antibiotic choice and repeat prescriptions in infective COPD exacerbations**
Marie Stolbrink (Liverpool (Merseyside), United Kingdom), Laura Bonnett, John Blakey
- PA5223** **Predicting early vs late vs no re-exacerbation in COPD patients: Analysis of ECLIPSE cohort**
William Fahy (Berkshire, United Kingdom), Marion Fahey, Wilhelmine Meeraus, Celine El Baou, Hana Mullerova, Edith M. Hessel
- PA5224** **Predictors of mortality in COPD patients after hospitalization due to an exacerbation**
Carolina Lahosa Cordoba (valencia, Spain), Lucia Fernandez-Presa, Irene Bocigas, Jaime Signes-Costa Miñana, Belen Safont, Cruz Gonzalez, Emilio Servera
- PA5225** **Detecting COPD exacerbations through PreveXair App.**
Soha Esmaili (, Spain), Juan Luis Rodriguez Hermosa, Antonia Fuster Gomila, Luis Puente Maestu, Carlos Amado Diago, Francisco Callejas González, Rosa Malo De Molina Ruiz, Alfonso Montero Pacios
- PA5226** **Characterisation of the bronchial epithelium in COPD frequent exacerbators**
Andrew Higham (Manchester (Greater Manchester), United Kingdom), Josiah Dungwa, Natalie Jackson, Danen Cunoosamy, Dave Singh
- PA5227** **COPD Assessment Test responsiveness during acute exacerbations recovery: the role of body mass index**
Cláudia Freitas (Villa Nova de Gaia, Portugal), Joana Dias, Pedro Leuschner
- PA5228** **IMPACT OF TELEMONITORING ON PATIENTS WITH ADVANCED CHRONIC OBSTRUCTIVE PULMONARY DISEASE**
asier fernandez (bilbao, Spain), Raquel Sanchez, Maria Pastor, Victor Bustamante, Babara Galaz, Cristina Sancho, Amaia Sagarna, Aizea Mardones, Intxausti Maider
- PA5229** **Does a Tailored Intervention to Promote Adherence in Patients with Chronic Lung Disease Affect Exacerbations?**
Jörg Leuppi (Liestal, Switzerland), Claudia Gregoriano, Thomas Dieterle, Anna-Lisa Breitenstein, Selina Dürr, Amanda Baum, Stéphanie Giezendanner, Sabrina Maier, Anne Leuppi-Taegtmeyer, Isabelle Arnet, Kurt E. Hersberger
- PA5230** **Exacerbation and pneumonia risk models: methodology and results from the IMPACT trial**
Benjamin Hartley (London, United Kingdom), Sally Lettis, David Lipson, Paul Jones, Courtney Crim, Mark Dransfield, David Singh, Neil Martin, Neil Barnes
- PA5231** **PEARL SCORE PREDICTION FOR MORTALITY IN SEVERE ACUTE COPD RE-EXACERBATION**
Beatriz Recio Moreno (MADRID, Spain), Walther Ivan Giron Matute, Alicia Cerezo Lajas, Elena Rodríguez Jimeno, Virginia Gallo González, Zichen Ji, Christian Reynaldo Castro Riera, Luis Puente Maestu
- PA5232** **Regional analysis of COPD exacerbation rates in the DYNAGITO trial**
Klaus F. Rabe (Kiel, Germany), Jadwiga Wedzicha, Peter M.A. Calverley, Alberto De La Hoz, Florian Voß, Antonio Anzueto, Christine Jenkins

PA5233 **Transcriptomic footprint of COPD patients with well-defined frequent severe exacerbations.**
Joaquim Gea Guiral (Barcelona, Spain), Sergi Pascual, Pau Puigdevall, Carme Casadevall, Esther Barreiro, Robert Castelo

PA5234 **Simultaneous assessment of DNA damage and antioxidant enzyme activity in COPD exacerbations**
Balazs Antus (Budapest, Hungary), Csilla Paska, Imre Barta

PA5235 **Analysis of cytokine gene expression after treatment and pulmonary rehabilitation of acute exacerbation in COPD**
Csilla Páska (Budapest, Hungary), Imre Barta, Zsuzsanna Kelemen, Krisztina Kelemen, János Varga, Balázs Antus

6D **Session 539** **08:30 - 10:30**

Poster discussion: Airway and parenchymal diseases in occupational and environmental lung diseases

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology

Method(s) : Pulmonary function testing Epidemiology Public health Cell and molecular biology General respiratory patient care

Chairs : Christopher Barber (Sheffield (South Yorkshire), United Kingdom), Rafael E. de la Hoz (New York, United States of America)

PA5237 **Association between occupational exposures to solvents and airway obstruction in the CONSTANCES cohort**
Sheikh Alif (Reservoir, Australia), Guillaume Sit , Noemie Letellier, Michael Abramson , Yuriko Iwatsubo , Geza Benke , Marcel Goldberg, Bénédicte Leynaert , Rachel Nadif , Celine Ribet, Yves Roquelaure, Raphaëlle Varraso , Marie Zins , Alexis Descatha , Nicolas Roche , Marie-Christine Delmas , Orianne Dumas , Nicole Le Moual

PA5238 **Respiratory Symptoms and lung function of poultry workers in Benin City, Nigeria**
Joshua Aigbirior (Benin City, Nigeria), Yvonne Chuka Efeogoma, Ofure Otibho Aigbirior, Obehi Hilda Okojie

PA5239 **Work-related asthma (WRA) has worst socioeconomic status, quality of life and asthma control: a brazilian study**
Lavinia Clara Del Roio (São Paulo (SP), Brazil), Mario Terra-Filho, Eduardo Algranti, Clovis Eduardo Santos Galvão, Jefferson Benedito Pires De Freitas, Ubiratan Paula Santos

PA5240 **Low-molecular weight agents inducing airway sensitization via skin exposure: a systematic review of experimental models**
Hung-Chang Tsui (Leuven, Belgium), Steven Ronsmans, Laurens De Sadeleer, Peter Hoet, Jeroen Vanoirbeek, Benoit Nemery

PA5241 **Cytokine levels in crystalline silica exposed rock drillers**
Dag Ellingsen (Oslo, Norway), Bente Ulvestad, May Brit Lund, Liv Ingunn Bjoner Sikkeland

PA5242 **Identification of late asthmatic reactions following specific inhalation challenge**
Vicky Moore (Birmingham (West Midlands), United Kingdom), Gareth Walters, Alastair Robertson, Sherwood Burge

PA5243 **Asthma-related respiratory symptoms associated with indoor air quality in healthcare facilities**
Paul K. Henneberger (Morgantown, United States of America), Steven Rollins, Michael Humann, Xioaming Liang, Feng-Chiao Su, Aleksandr Stefaniak, Ryan Lebouf, Marcia Stanton, Abbas Virji

PA5244 **Pesticide exposure and lung function: a systematic review and meta-analysis**
Jate Ratanachina (Nonthaburi, Thailand), Sara De Matteis, Paul Cullinan, Peter Burney

PA5245 **Association between occupational exposure to irritants and adult asthma profiles identified by clustering**
Miora Andrianjafimasy (Villejuif cedex, France), Mickaël Febrissy, Farid Zerimech, Brigitte Dananché, Hans Kroumhout, Régis Matran, Mohamed Nadif, Dominique Oberson-Geneste, Catherine Quinot, Vivi Schlünssen, Valérie Siroux, Jan Paul Zock, Nicole Le Moual, Orianne Dumas, Rachel Nadif

PA5246 **Does the level of specific IgE to occupational allergens relate to the diagnosis of occupational asthma? A study in bakers and laboratory animal workers.**
Paul Cullinan (London, United Kingdom), Meinir Jones, Julie Cannon, Winston Banya

PA5247 **The effects of disease progression on work productivity: the Birmingham COPD Cohort**
Kiran Rai (Birmingham, United Kingdom), Rachel Jordan, Jon Ayres, Peymane Adab

PA5248 **Association between occupational exposure to disinfectants and asthma in young adults working in cleaning or health services – results from a cross-sectional analysis in Germany.**
Tobias Weinmann (München, Germany), Felix Forster, Erika Von Mutius, Christian Vogelberg, Jon Genuneit, Doris Windstetter, Dennis Nowak, Katja Radon, Jessica Gerlich

PA5249 **Sensitivity of diagnostic tools for silicosis associated to fabrication of quartz conglomerates**
Gabiella Guarnieri (Padova (PD), Italy), Mauro Salasnich, Paolo Lucernoni, Marta Sbaraglia, Maria Grazia Putzu, Paolo Zuliani, Stefania Vio, Filippo Liviero, Pietro Maculan, Paola Mason, Piero Maestrelli

PA5250 **Airborne occupational exposures and (changes in) lung function in the Lifelines Cohort study**
Md Omar Faruque (Groningen, Netherlands), Judith M Vonk, Hans Kromhout, Roel Vermeulen, Ute Bültmann, H Marika Boezen

PA5251 **Mesothelioma mortality in Great Britain: how much longer will dockyards dominate?**
Carl Reynolds (London, United Kingdom), Andrew Darnton, Paul Cullinan

PA5252 **Respiratory symptoms, airway inflammation and lung function in workers at risk of occupational asthma**
Ruth Wiggans (Manchester (Greater Manchester), United Kingdom), Jade Sumner, Edward Robinson, Alison Codling, Lisa Bradshaw, Leon Lewis, Johanna Feary, Christopher Micheal Barber

7B **Session 540** **08:30 - 10:30**

Poster discussion: Role of the physiotherapist for patients with lung disease

Disease(s) : **Airway diseases** **Respiratory critical care**

Method(s) : Physiology General respiratory patient care Pulmonary rehabilitation Respiratory intensive care Pulmonary function testing Palliative care

Chairs : Dina Brooks (Toronto (ON), Canada), Andre Nyberg (Umeå, Sweden)

PA5253 **National survey of physiotherapy and speech and language therapists' practice for patients with chronic cough in England: Assessment**
Sarah Chamberlain Mitchell (Keele, United Kingdom), Jemma Haines, Jacky Smith, Anand Pandyan

PA5254 **National survey of physiotherapy and speech and language therapists' practice for patients with refractory chronic cough in England: Treatment**
Sarah Chamberlain Mitchell (Keele, United Kingdom), Jemma Haines, Jacky Smith, Anand Pandyan

PA5255 **National survey of physiotherapy and speech & language therapists' practice for patients with chronic cough in England: patient care optimisation**
Jemma Haines (Wilmslow (Cheshire), United Kingdom), Sarah Chamberlain Mitchell, Anand Pandyan, Jacky A Smith

PA5256 **The impact of a specialist physiotherapist in the Leeds difficult asthma service.**
Naomi Nixon (Leeds (West Yorkshire), United Kingdom), Ian Clifton, Jane Slough, Tim Sutherland

PA5257 **A rapid response community respiratory service for children with complex needs reduces hospital admissions.**
Clare Halfhide (Warrington (Cheshire), United Kingdom), Leanne Turner, Miriam Davidson, Carol Lawrence

PA5258 **Families perception of a rapid response community respiratory physiotherapy team.**
Clare Halfhide (Warrington (Cheshire), United Kingdom), Leanne Turner, Miriam Davidson

PA5259 **The impact of a multidisciplinary clinic on children with complex breathlessness**
Claire Hepworth (Liverpool (Merseyside), United Kingdom), Su De, Ian Street, Philip Lawrence, Thomas Hampton, Ian Sinha

PA5260 **Breathlessness in primary care-prevalence and physiotherapy management of breathing pattern disorders**
Ruth De Vos (Southampton (Hampshire), United Kingdom), Eleanor Lanning, Jayne Longstaff, Hitasha Rupani, Thomas Brown, Emily Heiden, Thomas Jones, Daniel Neville, Jonathon Winter, Selina Begum, Mark Mottershaw, Carole Fogg, Anoop J Chauhan

PA5261 **Prevalence of inducible laryngeal obstruction with breathing pattern disorders and the outcomes of physiotherapy management**
Ruth De Vos (Southampton (Hampshire), United Kingdom), Hitasha Rupani, Thomas Brown, Jessica Gates, David Lodge, Emily Heiden, Matthew Jones, Anoop J Chauhan

PA5262 **Correlations between Lung Clearance Index (LCI) measurements and spirometry in Chronic Obstructive Pulmonary Disease (COPD).**
Enya Daynes (Leicester, United Kingdom), Neil Greening, John Owers-Bradley, Sally Singh, Salman Siddiqui

PA5263 **Effects of respiratory care such as chest physiotherapy for patients with pneumonia**
Sakai Naoki (Yamatokooryama-shi, Japan), Tominaga Yoshishige, Tabira Kazuyuki

PA5264 **VALIDATION OF A PROTOCOL FOR AIRWAY CLEARANCE IN PATIENTS WITH INEFFECTIVE COUGH**
Stefano Belli (Somma Lombardo (VA), Italy), Davide Cattaneo, Francesca Masocco, Iliaria Prince, Mario Peroni, Giorgio Maggioni, Claudio Marcassa, Bruno Balbi

PA5265 **The impact of breathing therapy in those with difficult asthma**
Leyla Osman (London, United Kingdom), Lucy Webber, Tom Gaywood, Grainne D'Ancona, Kirsten Stewart-Knight, Marianna Fernandes, Linda Green, Cris Roxas, Alexandra Nanzer-Kelly, Jo Kavanagh, Brian Kent, David Jackson

- PA5266** **Assessment of a new airway clearance technology on maximal slow expiratory volume.**
William Poncin (Bruxelles, Belgium), Samy Rombaut, Juliana Macedo, Grégory Reychler, Giuseppe Liistro
- PA5267** **A national audit of the Aerobika* Oscillatory Positive Pressure (OPEP) device when used to assist airway clearance for those with cystic fibrosis, bronchiectasis and COPD**
Amanda Bracey (Gloucester (Gloucestershire), United Kingdom), Jason Suggett, Joy Conway
- PA5268** **Early physiotherapy in patients with respiratory failure due to blunt chest trauma treated with non invasive mechanical ventilation**
Andrea Drago (Scandicci (FI), Italy), Simona Brancati, Fabio Luise, Antonio Mancini, Lucia Sammiceli, Silvio Santini, Silvia Sticci, Filippo Pieralli
- PA5269** **Effects of Thoracic Mobilization Techniques on Pulmonary Functions, Dyspnea and Health Status in Patients with Asthma**
Neslihan Durutürk (Ankara, Turkey), Furkan Ozdemir, Buse Gunaydin, Sevin Alaca, Saliha Beste Bülbül
- PA5270** **Ultrasound evaluation of changes in diaphragmatic mobility and contractility induced by manipulative techniques in healthy volunteers: a prospective, randomized, double blinded, case vs sham vs control RCT.**
Simone Scarlata (Roma (RM), Italy), Damiana Mancini, Christian Lunghi, Raffaele Antonelli Incalzi

RETIRO

Session 541

08:30 - 10:30

Poster discussion: Tuberculosis: treatment and management

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Epidemiology Public health Endoscopy and interventional pulmonology

Chairs : Aikaterini Manika (Pylaia (Thessaloniki), Greece), Ananna Rahman (Essex, United Kingdom)

- PA5271** **Late Breaking Abstract - Short 12-month regimen with intravenous linezolid for pre-XDR TB: treatment outcomes and 24 months follow-up results**
Nataliia Lytvynenko (Kyiv, Ukraine), Maryna Pogrebna, Juliia Senko, Lubomyr Protsyk, Oxana Chobotar, Nataliia Grankina, Mykola Gumenuk
- PA5272** **Effectiveness of intravenous isoniazid and ethambutol administration in patients with new smear positive drug-susceptible pulmonary tuberculosis with tuberculous meningoencephalitis and HIV co-infection in the intensive phase of treatment**
Dmytro Butov (Kharkiv, Ukraine), Yurii Feshchenko, Mykhailo Kuzhko, Mykola Gumenuik, Yurko Kateryna, Anton Tkachenko, Natalia Nekrasova, Natalia Gulchuk, Tetiana Tlustova, Tetiana Butova
- PA5273** **Homeless with TB: a "long race" vulnerable group (20 years review)**
Adriana Sorete Arbore (Iasi (Iasi), Romania), Violeta Cojocariu
- PA5274** **Endobronchial valve application in tuberculosis patients with low treatment adherence**
Denis Krasnov (Novosibirsk, Russian Federation), Pavel Fadeev, Irina Felker, Vladimir Krasnov
- PA5275** **Tuberculosis and gastrectomy : A Nationwide Population-based Matched Cohort Study**
Wonjai Jung (Seoul, Republic of Korea), Sue In Choi, Byung-Keun Kim, Eun Joo Lee, Kwang Ho In, Sang Yeub Lee
- PA5276** **Frequency of relapse rates in rifampicin-resistant tuberculosis in operated patients.**
Tatevik Bagdasaryan (Moscow, Russian Federation), Atadjan Ergeshov
- PA5277** **Changes in body composition and strength during initial treatment in malnourished patients with tuberculosis**
Yvette A. De Reus (Eelderwolde, Netherlands), Lies Ter Beek, Tjip S Van Der Werf, Onno W. Akkerman
- PA5278** **Adverse events in patients with MDR TB, treated by three types of the chemotherapy regimens**
Olga Rodina (Moscow, Russian Federation), Sergey Evgenievich Borisov, Diana Ivanova
- PA5279** **The impact of bedaquiline and delamanid containing regimens on liver function in patients multi-infected with pulmonary DR-TB, HIV and viral hepatitis**
Nana Kiria (Tbilisi, Georgia), Zaza Avaliani, Natalia Bolokadze, Nino Kiria, Lali Mikiashvili
- PA5280** **Statin with standard antituberculosis regimen and mortality in hospitalized pulmonary tuberculosis**
Thammasorn Jeeraumponwat (Khon Kaen, Thailand)
- PA5281** **DOT-VOT Implementation of Tuberculosis Patients between 2012-2018**
Filiz Duyar Ağca (Ankara, Turkey), Asiye Inan Süer, Gülnaz Çimen Beyaz
- PA5282** **Rifampicin-resistant tuberculosis in Singapore, 2005 to 2018**
Suay Hong Gan (Singapore, Singapore), Leo Kang Yang Lim, Yee Tang Wang, Cynthia Bin Eng Chee

- PA5283** **New approaches to MDR/XDR TB chemotherapy in children and adolescents**
Antonina Khiteva (Moscow, Russian Federation), Ludmila Panova, Elena Ovsyankina, Ekaterina Krushinskaya
-
- PA5284** **Bedaquiline in the treatment of multidrug-resistant tuberculosis: a subanalysis in Korean population**
Ji Hyun Kim (Seoul, Republic of Korea), Ji Hyun Kim, Tae Sun Shim, O. Jung Kwon, Young Sam Kim, Moo Suk Park, Sungchul Hwang
-
- PA5285** **National advisory services for multidrug-resistant tuberculosis (MDR-TB) in Europe: an ERS-TBnet survey**
Graham H. Bothamley (London, United Kingdom), Emmanuel Andre, Liga Kuksa, Linda Barkana, Joseph Keane, Nicolas Veziris, Reinout Van Crevel, Cecile Magis-Escurra, Mateja Jankovic, Otto Schoch, Jean-Pierre Zellweger, Tuula Vasankari, Fusun Eyuboglu, Regina Holland, Johan Normark, Rita Macedo, Maria Korzeniewska, Zorica Nanovoc, Dmytro Butov, Onno Akkerman, Ohanna Kirakosyan, Ivan Solovic, Andrea Calcagno, Katarzyna Kruczak, Jose Maria Garcia Garcia, Adrian Sanchez Montalva, Alexander Dyatlov, Anna Starshinova, Stela Kulcitkaia, Troels Lillebaek, Lothar Wiese, Hasan Hafizi, Dimitros Papaventis, Einar Heldel, Trude Marget Arnesen, Jean-Philippe Lanoix, Elena Chiappini, Christian Wejse, Kataerina Manika, Dragica Pesut, Nils Wetzstein, Alena Skrahina, Holger Flick, Miguel Arias, Olha Konstantynovska, Joan Pau Millet, Marleen Bakker, Christoph Lange
-
- PA5286** **Spatio-temporal distribution of HIV-tuberculosis coinfection in brazilian macroregions, between 2003 and 2016**
Vanessa Teotonio (João Pessoa (PB), Brazil), José Mácio Ramalho Teódulo, Gerlania Simplicio Sousa, Junior Araújo Sousa, Claudia Renata Santos Barros
-
- PA5287** **Unmasking the hidden tuberculosis mortality burden in a large postmortem study in Mozambique.**
Alberto Garcia-Basteiro (Maputo, Mozambique), Juan Carlos Hurtado, Paola Castillo, Fabiola Fernandes, Mireia Navarro, Lucilia Lovane, Isaac Casas, Llorenç Quinto, Dercio Jordao, Mamudo R. Ismail, Cesaltina Lorenzoni, Carla Carrilho, Ariadna Sanz, Natalia Rakislova, Aurea Mira, Miriam Alvarez-Martínez, Anelcio Cossa, Frank Cobelens, Inacio Mandomando, Jordi Vila, Quique Bassat, Clara Menéndez, Jaume Ordí, Miguel J Martínez

8B Session 542 10:45 - 12:45

Grand round: Lung cancer Grand Round

Aims : to test the clinical knowledge of participants in thoracic oncology; to address challenging topics in malignant thoracic diseases, including handling unfit patients with potentially curable lung cancer, wisely managing the side effects of immunotherapy in non-small cell lung cancer patients, selecting personalised multi-modal therapy options in malignant pleural mesothelioma patients and diagnosing and treating complicated mediastinal masses; to provide attendees with a unique opportunity to participate in interactive discussions with the case presenters and the on-stage multidisciplinary board panel.

Disease(s) : [Interstitial lung diseases](#) [Thoracic oncology](#)

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology General respiratory patient care Imaging Palliative care Pulmonary function testing Surgery

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Jan van Meerbeeck (Edegem (Antwerp), Belgium), Paul Martin Putora (St. Gallen, Switzerland), Isabelle Opitz (Zurich, Switzerland), Aurelie Fabre (Dublin 4, Ireland), Mario Silva (Milan, Italy)

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| 10:45 | A higher-risk patient with a choice between stereotactic radiotherapy and surgery
David Baldwin (Nottingham (Nottinghamshire), United Kingdom) | 5288 |
| 11:15 | A challenging radiological deterioration following immunotherapy introduction
Adrien Costantini (Paris, France) | 5289 |
| 11:45 | A complex course in a pleural mesothelioma patient
Najib M. Rahman (Oxford, United Kingdom) | 5290 |
| 12:15 | An uncommon mediastinal mass
Stefano Elia (Roma (RM), Italy) | 5291 |

7A Session 543 10:45 - 12:45

Guidelines session: Managing drug-resistant tuberculosis: from new guidelines to clinical practice ATS/ERS/IDSA/CDC MDR-TB guidelines

Aims : to present the new guidelines for multidrug-resistant (MDR)-TB; to discuss similarities and differences with the newly published World Health Organization guidelines; to discuss the best management of challenging clinical cases affected by MDR- or extensively drug-resistant-TB, including paediatric cases.

Disease(s) : Respiratory infections**Method(s) :** Public health**Tag(s) :** Clinical**Target audience :** Clinical researcher, Critical/Intensive care physician, General practitioner, Nurse, Paediatrician, Pathologist, Patient, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Raquel Duarte (Porto, Portugal), Simon Tiberi (London, United Kingdom)

10:45	The new ATS/ERS/IDSA/CDC guidelines for MDR-TB: rationale, methods and recommendations Giovanni Battista Migliori (Varese (VA), Italy)	5292
11:15	Similarities and differences among existing guidelines Giovanni Sotgiu (Porto Torres (SS), Italy)	5293
11:45	Research and clinical trial needs and the challenges associated with recommending pan-oral regimens: the Latin-American and African perspective Guillermo Jose Perez Mendoza (Las Palmas, Spain)	5294
12:15	Managing difficult cases from the Russian Federation and beyond: an interactive session Sergey Evgenievich Borisov (Moscow, Russian Federation)	5295

9E Session 544 10:45 - 12:45**Symposium: Respiratory infections: prevention is better than cure****Aims :** to discuss potential policies to prevent community-acquired pneumonia; to appraise the aetiology of bronchiectasis and its exacerbations and to analyse potential strategies to decrease their incidence; to identify approaches aiming at reducing pleural infection; and to review factors associated with non-tuberculous mycobacterial infection and re-infection.**Disease(s) :** Airway diseases Paediatric respiratory diseases Respiratory infections**Method(s) :** Cell and molecular biology Epidemiology General respiratory patient care**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Patient, Physiotherapist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Francesco Blasi (Milan, Italy), Cristina Prat Aymerich (Badalona (Barcelona), Spain)

10:45	Preventing community-acquired pneumonia Rosario Menendez Villanueva (Valencia, Spain)	5296
11:15	Is it possible to prevent bronchiectasis and its flares? Anne Bernadette Chang (Brisbane (QLD), Australia)	5297
11:45	Prevention of pleural infection Deirdre B Fitzgerald (Perth, Australia)	5298
12:15	Non-tuberculous mycobacteria: preventing infection and reinfection Claire Andrejak (Amiens, France)	5299

9A Session 545 10:45 - 12:45**Hot topics: Phenotypes and personalised treatment of obstructive sleep apnoea in children****Aims :** to identify the signs, symptoms, underlying causes and treatment strategies of obstructive sleep apnoea in infants; to differentiate preschool and school-age children with adenotonsillar hypertrophy and snoring who are at risk of developing obstructive sleep apnoea; to describe the indications, benefits and risks of various therapies for obstructive sleep apnoea in obese children; to list different methods for upper airway evaluation and to describe their role in the management plan of children with obstructive sleep apnoea.**Disease(s) :** Paediatric respiratory diseases Sleep and breathing disorders**Method(s) :** Physiology**Tag(s) :** Clinical**Target audience :** Paediatrician, Physiologist, Policy maker, Scientist (basic, translational), Student, Trainee**Chairs :** Refika Hamutcu Ersu (Ottawa, Canada), Stijn Verhulst (Antwerpen, Belgium)

10:45	Apnoea in infants: do they grow out of it? Maria Pia Villa (Roma (RM), Italy)	5300
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11:15	Children with adenotonsillar hypertrophy and obstructive sleep apnoea syndrom Athanasios G. Kaditis (Athens, Greece)	5301
11:45	Obese children with obstructive sleep apnoea syndrom: how to treat? Indra Narang (Toronto (ON), Canada)	5302
12:15	What can an ENT surgeon tell you about a child with obstructive sleep apnoea? An Boudewyns (Edegem (Antwerp), Belgium)	5303

9C Session 546 10:45 - 12:45

Symposium: E-cigarettes and heated tobacco: a blessing or a curse? The latest scientific update A joint TCC/ERS/ELF session

Aims : to present the main results of the report written by the task force on electronic cigarettes; to supplement the conclusions of the statement on electronic cigarettes with the position of the ERS leadership on electronic cigarettes, which raises two key points, namely, that there is little evidence that electronic cigarettes aid smoking cessation and much evidence that tobacco manufacturers are advertising electronic cigarettes as a bridge to starting nicotine and as a vehicle for long-term continuation, and that no-one, expert or otherwise, can credibly assert that electronic cigarettes are safer than tobacco in the long term given that they contain a whole new tranche of unregulated and unstudied compounds that are inhaled into the lung; to present an update on the potential health consequences of electronic cigarette and heated tobacco use, with a special focus on lung health; to raise awareness that many studies have a conflict of interest that significantly influences whether they find potential harm to health; to present an update on electronic cigarettes and heated tobacco as smoking cessation products, including recent clinical trials and the public health perspective; to raise awareness of tactics employed by the tobacco industry, including promotion of electronic cigarettes and heated tobacco as well as interference of the tobacco industry with scientists; to present good practices/country examples of strong regulation; to highlight the leadership and engagement of the ERS in tobacco control; to distribute the updated ERS statement on heated tobacco.

Disease(s) : [Airway diseases](#)

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Policy maker, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Jørgen Vestbo (Manchester (Greater Manchester), United Kingdom), Linnea Hedman (Luleå, Sweden), Isabel Saraiva (Cascais, Portugal)

10:45	The task force report on electronic cigarettes: findings and conclusions Robert Bals (Homburg (Saar), Germany)	5304
11:13	The ERS leadership's statement on e-cigarettes Jørgen Vestbo (Manchester (Greater Manchester), United Kingdom)	5305
11:23	Effects of novel tobacco and nicotine products on lung health: use and misuse of the evidence Filippos T. Filippidis (Oxford, United Kingdom)	5306
11:50	Are electronic cigarettes and heated tobacco efficient smoking cessation products? The smoker's and public health perspective Sofia Belo Ravara (Covilhã, Portugal)	5307
12:17	Tactics of the tobacco industry: marketing of electronic cigarettes and heated tobacco, interference with scientists and examples of successful regulation Elif Dagli (Istanbul, Turkey)	5308

9D Session 547 10:45 - 12:45

Symposium: Respiratory syncytial virus infections throughout life Current knowledge of and future developments in the epidemiology and treatment of respiratory syncytial virus infections

Aims : to provide an update on the impact and epidemiology of respiratory syncytial virus (RSV) infections throughout life, including in the developing world; to provide an update and describe new results of ongoing trials of RSV antiviral treatment in children and adults; and to provide an update and describe new results of ongoing trials of RSV vaccination in pregnancy, infancy and old age.

Disease(s) : [Paediatric respiratory diseases](#) [Respiratory infections](#)

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Paediatrician, Policy maker, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Marijke Proesmans (Leuven, Belgium), Steve Cunningham (Edinburgh (Scotland), United Kingdom)

10:45	Burden of RSV across all ages and continents Harish Nair (Edinburgh (Edinburgh), United Kingdom)	5309
11:15	RSV disease in adults Peter Openshaw (London, United Kingdom)	5310
11:45	Development of RSV vaccines: where are we? Nienke Scheltema (Utrecht, Netherlands)	5311
12:15	Development of RSV antiviral treatment: where are we? Steve Cunningham (Edinburgh (Scotland), United Kingdom)	5312

8C Session 548 10:45 - 12:45

Hot topics: Airway regenerative medicine: from bench to bedside

Aims : to present the tremendous potential of human induced pluripotent stem cells (hiPSCs) for disease modelling and cell therapy development; to discuss research that describes the successful differentiation of hiPSCs into airway epithelium containing multi-ciliated cells, which paves the way for modelling of respiratory diseases in a dish; to present the opportunities offered by this innovative technology to assess the feasibility, efficacy and safety of a wide range of approaches, from gene therapy to ex vivo cell engineering, for transplantation and drug screening; to describe the advantages of hiPSC-derived airway epithelium, which will become essential for the development of new strategies to treat severe chronic airway diseases, in association with gene editing techniques.

Disease(s) : Airway diseases Interstitial lung diseases Paediatric respiratory diseases

Method(s) : Cell and molecular biology Transplantation

Tag(s) : Basic science

Target audience : Clinical researcher, Critical/Intensive care physician, Paediatrician, Pathologist, Scientist (basic, translational), Adult pulmonologist/Clinician

Chairs : H. Irene Heijink (Groningen, Netherlands), Ian M. Adcock (London, United Kingdom)

10:45	Introduction to the mechanisms leading to efficient 2D differentiation of human pluripotent stem cells into functional multi-ciliated airway cells Arnaud Bourdin (Montpellier Cedex 5, France)	5313
11:15	Derivation of epithelial-only airway organoids from human pluripotent stem cells Hans-Willem Snoeck (New York, United States of America)	5314
11:45	Induced pluripotent stem cell-derived alveolar epithelial cells: applications with lung-on-a-chip Thomas Geiser (Bern, Switzerland)	5315
12:15	Pulmonary transplantation of human induced pluripotent stem cell-derived macrophages Christine Happle (Hannover, Germany)	5316

9F Session 549 10:45 - 12:45

Symposium: Sleep and neuromuscular diseases: assessment and management of respiratory problems

Aims : to provide a state-of-the-art overview of the basic concepts and established practices for assessment and management of respiratory problems in patients with neuromuscular disorders. After an introductory lecture about the physiological basis of respiratory problems in various diseases, this session will consider the following: pulmonary function testing, respiratory muscle testing, non-invasive mechanical ventilation, cough assist devices, swallowing disorders, sleep problems and pharmacological treatment.

Disease(s) : Respiratory critical care Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Nurse, Physiologist, Physiotherapist, Trainee, Adult pulmonologist/Clinician

Chairs : Pierantonio Laveneziana (Paris, France), Antonella LoMauro (Milano (MI), Italy)

10:45	Physiological basis of respiratory problems in neuromuscular diseases Oscar H. Mayer (Philadelphia, United States of America)	5317
11:15	Functional respiratory assessment in neuromuscular diseases Andrea Aliverti (Milan, Italy)	5318
11:45	Cough assist devices: what, when and how? Michelle Chatwin (London, United Kingdom)	5319

12:15 **Sleep disorders and neuromuscular diseases: when, why and how** 5320
Anita Simonds (London, United Kingdom)

8A Session 550 10:45 - 12:45

Symposium: Solitary pulmonary nodules: diagnostic and therapeutic approaches

How to manage solitary pulmonary nodules

Aims : to present the evidence for various diagnostic and therapeutic options for solitary pulmonary nodules, which are increasingly being detected.

Disease(s) : Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology Imaging Surgery

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Pathologist, Physiotherapist, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Nina Bostantzoglou (Athens, Greece), Enrico Ruffini (Torino (TO), Italy)

10:45 **Screening for nodules: what radiology can offer** 5321
Mathias Prokop (Nijmegen, Netherlands)

11:15 **Navigation and ablation: endoscopic solutions** 5322
Felix J.F. Herth (Heidelberg, Germany)

11:45 **Beam the nodule away: possibilities for radiotherapy** 5323
Matthias Guckenberger (Zürich, Switzerland)

12:15 **Open, video-assisted thoracoscopic or robotic-assisted thoracoscopic surgery: how to perform resection** 5324
Enrico Ruffini (Torino (TO), Italy)

9B Session 551 10:45 - 12:45

Oral presentation: Rare and ultra-rare diseases and the lungs: updates and new perspectives

Disease(s) : Pulmonary vascular diseases Interstitial lung diseases Airway diseases

Method(s) : General respiratory patient care Pulmonary function testing Imaging Cell and molecular biology Epidemiology

Chairs : Nicoletta R. Morelli (Den Haag, Netherlands), Nicolas Kahn (Heidelberg, Germany)

OA5325 **Late Breaking Abstract - Rituximab limits the progression of fibrosing mediastinitis**
Cyril Varghese (Rochester, United States of America), Geoffrey Johnson, Patrick Eiken, Peikert Tobias

OA5326 **Development of Pulmonary Arteriovenous Malformations and Occurrence of Neurological Complications in patients with Hereditary Haemorrhagic Telangiectasia with isolated micronodules and/or intrapulmonary shunt at first screening**
Victor Margelidon-Cozzolino (Saint-Etienne, France), Chahéra Khouatra, Julie Traelet, Kais Ahmad, Sophie Dupuis-Girod, Vincent Cottin

OA5327 **Risk factors for postoperative acute exacerbation of interstitial lung diseases: a matched case-control study**
Keisuke Hosoki (Tokyo, Japan), Yu Mikami, Taisuke Jo, Kunihiko Soma, Hirokazu Urushiyama, Takahide Nagase

OA5328 **Clinical features of autoimmune pulmonary alveolar proteinosis from a large international patient cohort: baseline data from the IMPALA trial**
Bruce Trapnell (Cincinnati, United States of America), Cecilia Ganslandt, Inge Tarnow, Taneli Jouhikainen, Grant Waterer, Cliff Morgan

OA5329 **Shrinking lung syndrome (SLS) associated with systemic lupus erythematosus (SLE): A series of cases in a university hospital.**
Alberto Casey (Ciudad Autónoma Buenos Aires, Argentina), Maria Marta Perin, Juan Ignacio Enghelmayer, Cora Legarreta, Federico Zenon, Pamela Rossi, Silvana Acuña, A Betancourt, R Gomez, A Beron, D Dubinsky, Ana Maria Putruele

OA5330 **Evaluating the effect of long-term idebenone treatment on respiratory morbidity in patients with Duchenne muscular dystrophy (DMD)**
Oscar H. Mayer (Philadelphia, United States of America), Oscar Henry Mayer, Mika Leinonen, Laurent Servais, Chiara Straathof, Ulrike Schara, Thomas Voit, Eugenio Mercuri, Gunnar Buyse On Behalf Of The Syros Investigators

OA5331 **Long term efficacy: Idebenone reduces the rate of both inspiratory and expiratory functional loss in Duchenne muscular dystrophy (DMD)**
Oscar H. Mayer (Philadelphia, United States of America), Oscar Henry Mayer, Mika Leinonen, Shabir Hasham, Gunnar Buyse On Behalf Of The Syros Investigators

6F

Session 552

10:45 - 12:45

Oral presentation: Novel findings from asthma clinical trials

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Cell and molecular biology Public health Epidemiology

Chairs : Guy Brusselle (Ghent, Belgium), Andrew Menzies-Gow (London, United Kingdom)

- OA5332 Late Breaking Abstract - Open-label trial of budesonide/formoterol reliever therapy in mild asthma**
Joanna Hardy (Wellington, New Zealand), Christina Baggott, James Fingleton, Helen K Reddel, Robert J Hancox, Matire Harwood, Andrew Corin, Jenny Sparks, Daniela Hall, Donah Sabbagh, Saras Mane, Sasha Vohlidkova, John Martindale, Mathew Williams, Philippa Shirtcliffe, Mark Holliday, Mark Weatherall, Richard Beasley
- OA5333 Late Breaking Abstract - Identifying and addressing patient beliefs driving SABA use and over-reliance**
Robert Horne (London, United Kingdom), Amy Chan, John Haughney, Jaime Correia De Sousa, Sian Williams, Alan Kaplan
- OA5334 Late Breaking Abstract - Overuse of oral corticosteroids in asthma – modifiable factors and potential role of biologics**
Katrien A.B. Eger (s-Gravenhage, Netherlands), Marijke Amelink, Pieter Paul Hekking, Elisabeth Bel
- OA5335 Clinical and histological impact of omalizumab in oral corticosteroid-dependent severe allergic asthma**
Christian Domingo Ribas (Sabadell (Barcelona), Spain), Francisco Javier González-Barcala, Felip Garcia, David Moriña, Francisco Javier Salgado, Vicente Marco, Joan Carles Oliva, Rosa M^a Mirapeix
- OA5336 Phase 1 evaluation of the inhaled IL-4Ra antagonist, AZD1402/PRS-060, a potent and selective blocker of IL-4Ra**
Ingmar Bruns (New York, United States of America), Mary Fitzgerald, Katerina Pardali, Gardiner Philip, Keeling David, Axelsson Lena, Jiang Fanyi, Lickliter Jason, Close David
- OA5337 Baseline predictors of being exacerbation-free during 2 years of benralizumab treatment**
John Upham (Brisbane (QLD), Australia), David J. Jackson, Peter Barker, Paul Newbold, William Cook
- OA5338 Azithromycin add-on therapy reduces airway inflammation and extracellular DNA: An AMAZES sub-study.**
Jodie Simpson (New Lambton, Australia), Daniel Barker, Ian Yang, John Upham, Paul Reynolds, Sandra Hodge, Alan James, Christine Jenkins, Matthew Peters, Guy Marks, Melissa Baraket, Peter Gibson
- OA5339 Effect of high extrafine strength (HS) ICS-containing triple therapy on exacerbations in patients with severe asthma and persistent airflow limitation: Post-hoc analysis of the TRIGGER study**
Giorgio Walter Canonica (Milano (MI), Italy), J. Christian Virchow, David Singh, Maxim Kots, Florence Zuccaro, Andrea Vele, George Georges, Stefano Petruzzelli

N103

Session 553

10:45 - 12:45

Oral presentation: Medical education to improve practice

Disease(s) : **Airway diseases** **Sleep and breathing disorders** **Respiratory critical care**

Method(s) : Pulmonary function testing General respiratory patient care Public health Imaging

Chairs : Gernot G.U. Rohde (Frankfurt am Main, Germany), Stefano Aliberti (Milan, Italy)

- OA5340 Late Breaking Abstract - An ethnographic study on respiratory physicians' communicative repertoire**
Carolin Sehlbach (Maastricht, Netherlands), Pim Teunissen, Frank Smeenk, Erik Driessen, Marjan Govaerts, Gernot Rohde
- OA5341 Late Breaking Abstract - Training thoracic ultrasound skills: a multicentre, blinded, randomized controlled trial of simulation-based training versus training on healthy figurants**
Pia Iben Pietersen (Odense C, Denmark), Rasmus Jørgensen, Ole Graumann, Lars Konge, Søren Helbo Skaarup, Hans Henrik Lawaetz Schultz, Christian B. Laursen
- OA5342 Role of Social Media in exploring parental expectations regarding usage and providing education on nebulized medication in children**
Mihai Craiu (Bucuresti, Romania), Iustina Stan, Valentina Comanici
- OA5343 Clinical effect on asthma control using a novel digital self-management solution: a physician blinded randomized controlled crossover trial**
Björn Nordlund (Bromma, Sweden), Henrik Ljungberg, Anna Carleborg
- OA5344 Evaluating e-consultation implementation in Sleep Apnoea-Hypopnoea Syndrome (SAHS)**
Marcos Zuñil Martin (Zaragoza, Spain), Laura Pérez, Noelia Sánchez, Paloma Clavería, Antonio Castanera, Miguel A Santolaria, Javier Lázaro, M Teresa Rosell, Ana Boldova, José. A Carretero

OA5345 Improving education through a national blended learning program for caregivers and informal caregivers of home mechanical ventilation patients in the Netherlands. National Education Program for Home Mechanical Ventilation in the Netherlands.
Sander Steijns (Margraten, Netherlands), M Gol, N Kalkman, C.J. Roosekrans, M Thio, A Veldhorst, I.R. Sinnema

OA5346 Audience response systems may help build confidence and competence in diagnosing and managing asthma
Amir Hakim (London, United Kingdom), William Ricketts, Paul Pfeffer, Rachel Ashworth

OA5347 Medical registrar experience of chest drains - a stab in the dark?
Francesca Conway (London, United Kingdom)

N104

Session 554

10:45 - 12:45

Oral presentation: Exacerbations and clinical impact of airway diseases

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Public health Epidemiology

Chairs : Jing Gao (Stockholm, Sweden), Jose Luis Lopez-Campos Bodineau (Sevilla, Spain)

OA5348 Late Breaking Abstract - Blood eosinophil count and exacerbation history in COPD: pooled analysis of 24,103 patients
Jadwiga Wedzicha (London, United Kingdom), Salman Siddiqui, Peter Calverley, Alberto De La Hoz, Florian Voß, Helgo Magnussen, Klaus F. Rabe, Dave Singh

OA5349 Design and assessment of an automated prediction model for 30-day re-hospitalization after a COPD exacerbation using genetic algorithms
Daniel Álvarez (Valladolid, Spain), Ana Cerezo-Hernández, Andrea Crespo, Fernando Moreno, Gonzalo César Gutiérrez-Tobal, Roberto Hornero, Tomás Ruiz, Félix Del Campo

OA5350 Trends of short-acting beta-agonist (SABA) surrounding days of high use in asthma and COPD
Rahul Gondalia (San Francisco, United States of America), Heather Hoch, William Anderson, Meredith Barrett, Stanley Szeffler, David Van Sickle, David Stempel

OA5351 The effect of tiotropium/olodaterol versus tiotropium on COPD exacerbation rates in patients with/without frequent exacerbation history
Jadwiga Wedzicha (London, United Kingdom), Roland Buhl, Alberto De La Hoz, Florian Voß, Peter M.A. Calverley

OA5352 Assessment of quality of life of bronchiectasis patients associated with asthma and COPD.
Raja Dhar (Kolkata (West Bengal), India), Preetibala Vijay Kumar, Deepak Talwar, Rajesh Swarnakar, Arpan Shah, Virendra Singh, Baburao Archana, Kummannoor Venugopal, Girija Nair, Shubham Sharma, Deepak Prajapat, Sakshi Batra, Palak Shah, Sheetu Singh, Shahid Patel, Sapna Madas, Sneha Limaye, Shrikant Pawar, Sundeep Salvi, James Chalmers

OA5353 Characteristics of severe asthmatics treated with omalizumab, mepolizumab or no bioterapy. Data from the Belgian Severe Asthma Registry (BSAR).
Florence Schleich (Liège, Belgium), Guy Brusselle, Shane Hanon, Olivier Vandenplas, Lieven Dupont, Rudy Peche, Alain Michils, Charles Pilette, Olivier Michel, Sophie Graff, Haleh Nekoe, Anne-Françoise Donneau, Jean-Luc Halloy, Valerie Dufresne, Julie Noel, Lise Vandezande, Guy Joos, Renaud Louis

OA5354 Characteristics and treatment regimens across ERS SHARP severe asthma registries
Job J.M.H. van Bragt (Amsterdam, Netherlands), Ian M. Adcock, Gary Anderson, Elisabeth H.D. Bel, Gert-Jan Braunstahl, Anneke Ten Brinke, John Busby, Giorgio W. Canonica, Hui Cao, Kian Fan Chung, Zsuzsanna Csoma, Donna E. Davies, Barbro Dahlen, Ratko Djukanovic, Céline Genton, Toni Gibson-Latimer, Dominique Hamerlijnck, Liam Heaney, Elise Heuvelin, Ildiko Horvath, Stephanie Korn, Maxim Kots, Piotr Kuna, Namhee Kwon, Renaud Louis, Riad Naddaf, Vicente Plaza, David Ramos Barbon, Levi B. Richards, Sabina Skrgat, Els J.M. Weersink, Valentyna Yasinska, Scott S. Wagers, Anke H. Maitland-Van Der Zee

6E

Session 555

10:45 - 12:45

Oral presentation: Insights into rehabilitation and physical activity of patients with respiratory disease

Disease(s) : **Airway diseases** **Thoracic oncology**

Method(s) : General respiratory patient care Pulmonary rehabilitation Imaging

Chairs : Inga Jarosch (Schönau am Königssee, Germany), Heleen Demeyer (Leuven, Belgium)

OA5355 Lung volume and flow specificity of two inspiratory muscle training protocols
Marine Van Hollebeke (Leuven, Belgium), Rik Gosselink, Daniel Langer

OA5356 Impact of different intensities of resistance training on health status focusing on activities of daily living in patients with COPD: randomized controlled study
Marina Barusso-Grüniger (Tatuí (SP), Brazil), Júlia Gianjoppe-Santos, Valéria Amorim Pires Di Lorenzo

OA5357 Physical activity in inoperable lung cancer
Lara Edbrooke (Melbourne (VIC), Australia), Catherine Granger, Ross Clark, Linda Denehy

OA5358 Exercise training in people following surgery for non-small cell lung cancer: a Cochrane systematic review
Vinicius Cavalheri (Perth (WA), Australia), Chris Burtin, Vittoria Formico, Mika Nonoyama, Sue Jenkins, Martijn Spruit, Kylie Hill

OA5359 The impact of disease-specific fear on the neural processing of respiratory sensations and physical activity in COPD
Thomas Reijnders (Heverlee, Belgium), Matthias Loeckx, Fernanda Machado Rodrigues, Heleen Demeyer, Rik Gosselink, Daniel Langer, Paul Davenport, Wim Janssens, Thierry Troosters, Andreas Von Leupoldt

OA5360 Barriers to and enablers of physical activity following a hospitalisation for COPD exacerbation.
Maria Antonia Ramon (Barcelona, Spain), Beatriz Valeiro Gonzalez, Esther Rodriguez, Alba Gomez, Ana Isabel Mayer, Jordi Ibañez, Alex Pasarín, Jaume Ferrer

OA5361 Physical activity trajectories and their determinants in COPD: A cohort study
Maria Koreny (Madrid, Spain), Heleen Demeyer, Ane Arbillaga-Etxarri, Milo A. Puhan, Thierry Troosters, Corina De Jong, Roberto Rabinovich, Nicholas S. Hopkinson, Michael I. Polkey, Ioannis Vogiatzis, Niklas Karlsson, Elena Gimeno-Santos, Marta Benet, Eva Balcells, Anael Barberan-Garcia, Pere Vall-Casas, Robert Rodríguez-Roisin, Judith Garcia-Aymerich

N101+102

Session 556

10:45 - 12:45

Oral presentation: Thoracic ultrasound in clinical practice

Disease(s) : [Interstitial lung diseases](#) [Respiratory critical care](#) [Thoracic oncology](#)

Method(s) : Imaging General respiratory patient care Endoscopy and interventional pulmonology Physiology Palliative care

Chairs : Jesper Rømhild Davidsen (Odense C, Denmark), Silvia Mongodi (Pavia, Italy)

OA5362 Strain elastography for predicting lymph node malignancy in EBUS; the E-Predict multicenter study
Roel Verhoeven (Vinkel, Netherlands), Rocco Trisolini, Fausto Leoncini, Piero Candoli, Michela Bezzi, Alessandro Messi, Mark Krasnik, Chris L. De Korte, Jouke T. Annema, Erik H.F.M. Van Der Heijden

OA5363 Ultrasound evaluation of diaphragm function following pleuracentesis. A study on mechanisms of relief of dyspnea.
Søren Helbo Skaarup (Aarhus C, Denmark), Sara Lonni, Federico Quadri, Alberto Valsecchi, Francesca Baglivo, Paolo Ceruti, Giampietro Marchetti

OA5365 Can Ultrasound rapidly confirm the correct position of endotracheal tube? A cross sectional study
Safaa Wafy (Assiut, Egypt), Gamal Agamy, Mohamed Adam, Amal Abdallah

OA5366 Diagnostic utility of diaphragm ultrasound for discriminating severity in COPD patients
Sunao Mikura (Tokyo, Japan), Takeshi Saraya, Taro Minami, Haruyuki Ishii, Hajime Takizawa

OA5367 Measuring abdominal muscle function by abdominal muscle thickening on ultrasound: reproducibility, validity and normal range values
Annia Fleur Schreiber (Torino (TO), Italy), Umberto Sabatini, Stefannie Vorona, Michele Bertoni, Simone Piva, Ewan Goligher

OA5368 Twelve lung zones protocol of ultrasound mapping in idiopathic pulmonary fibrosis.
Diana Manolescu (Timisoara (Timis), Romania), Emanuela Tudorache, Ovidiu Fira-Mladinescu, Daniel Traila, Bogdan Timar, Cristian Oancea, Voicu Tudorache

6A

Session 557

10:45 - 12:45

Poster discussion: Translational aspects of idiopathic pulmonary fibrosis

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#) [Pulmonary vascular diseases](#)

Method(s) : Physiology Cell and molecular biology

Chairs : Bruno Crestani (Paris, France), Antje Prasse (Hannover, Germany)

PA5369 LSC - 2019 - Inflammasomes' activation in alveolar macrophages and peripheral blood mononuclear cells in fibrotic Interstitial Lung Diseases
Athina Trachalaki (London, United Kingdom), Athina Trachalaki, Eliza Tsitoura, Eirini Vasarmidi, Eleni Bibaki, Nikolaos Tzanakis, Katerina Antoniou

PA5370	Potential clinical utility of MUC5B and TOLLIP single nucleotide polymorphisms (SNP) in in the management of patients with IPF. Francesco Bonella (Düsseldorf, Germany), Ilaria Campo, Eda Boerner, Dirk Theegarten, Josune Guzman, Ulrich Costabel
PA5372	Antifibrotic effects of Lck inhibition on bleomycin-induced pulmonary fibrosis in mice Kozo Kagawa (Tokushima, Japan), Kazuya Koyama, Seidai Sato, Naoki Takahashi, Haruka Nishimura, Nobuhito Naito, Hiroshi Kawano, Yuko Toyoda, Yasuhiko Nishioka
PA5373	Arsenic trioxide inhibits the functions on lung fibroblasts derived from patients with idiopathic pulmonary fibrosis Audrey Joannes (RENNES, France), Claudie Morzadec, Maela Duclos, Nessrine Bellamri, Francisco Llamas Gutierrez, Bertrand Richard De Latour, Stefan-Lutz Wollin, Stéphane Jouneau, Laurent Vernhet
PA5374	IDL-2965: A Selective, highly-potent, oral Integrin antagonist for IPF Scott Seiwert (Brisbane, United States of America), Karl Kossen, Caralee Schaefer, Sharlene Lim, Marshall Michener, Pete Ruminiski, David Griggs, Ramachandran Radhakrishnan, Bill Bradford
PA5375	The effect of mast cell stabilisation in a large animal model of pulmonary fibrosis S Nimanthi Vithana Dewage (Melbourne (VIC), Australia), Andrew Stent, Habtamu Biyazen Derseh, K Udari Eshani Perera, Louise Organ, Ken Snibson
PA5376	Evaluation of Idiopathic Pulmonary Fibrosis therapies, Pirfenidone and Nintedanib, in a Human Experimental Model of Fibrosis Katy Roach (Leicester (Leicestershire), United Kingdom), E Castells, P Tongue, G Elliott, H Marshall, M Richardson, L Chachi, S Mason, A Sutcliffe, P Bradding
PA5377	Comparison of in-vivo anti-fibrotic effects of pirfenidone and nintedanib in bleomycin-induced pulmonary fibrosis model Honggang Zhou (Tianjin (Tianjin), China), Xiaohu Li, Ziwei Lv, Kai Huang, Wenhua Gan, Shaoyan Gao, Bo Yang, Kaiyue Helian
PA5378	TGFβ1-induces resistance to apoptosis in human lung myofibroblasts via TRPA1 downregulation Harvinder S Virk (Leicester (Leicestershire), United Kingdom), Jamie Mccarthy, Emily Castells, Carol Feghali-Bostwick, Viona Bowman, Yassine Amrani, David Cousins, Peter Bradding, Katy Roach
PA5379	Autophagy and senescence are activated mechanisms in idiopathic or autoimmunity caused usual interstitial pneumonia Helmut H. Popper (Graz, Austria), Elvira Stacher-Priehse, Luka Brcic, Sylvia Eidsenhammer, Florian Gallob, Florian Rampp, Andreas Nerlich
PA5380	Oleanolic acid acetate ameliorates bleomycin-induced pulmonary fibrosis through inhibition of epithelial-mesenchymal transition Hak-Ryul Kim (Iksan-si (Jeollabuk-do), Republic of Korea), Ki-Eun Hwang, Chul Park, Jae-Wan Jung, Eun-Taik Jeong
PA5381	Defective surfactant biosynthesis and ultrastructural abnormalities of alveolar type 2 cells in pulmonary fibrosis of conditional Nedd4-2mice Dominik Leitz (Berlin, Germany), Julia Duerr, Jan Hegermann, Lars Knudsen, Surafel Mulugeta, Matthias Ochs, Michael Beers, Marcus Mall
PA5382	Nintedanib has acute pulmonary vasodilatory effects in transgenic Fra2 mice with spontaneous progressive pulmonary hypertension and lung fibrosis. Nagaraj Chandran (Graz, Austria), Neha Sharma, Lutz Wollin, Andrea Olschewski, Grazyna Kwapiszewska, Horst Olschewski
PA5383	LPA1 antagonist BMS-986278 for idiopathic pulmonary fibrosis: Preclinical pharmacological in vitro and in vivo evaluation Brian Murphy (Pennington, United States of America), Brian Murphy, Chi-Shing Sum, Tao Wang, Rebekah Heiry, Stephen Kalinowski, Chen-Pin Hung, Ching-Hsuen Chu, Anthony Azzara, Ziegler Milinda, Lisa Burns, Bradley Zinker, Stephanie Boehm, Joseph Taylor, Julia Sapuppo, Mosure Kathy, Cvijic Mary-Ellen, Robert Kaltenbach, Suresh Dhanusu, Shiwei Tao, Hao Zhang, Larry Kennedy, Jun Shi, Jun Li, Steve Walker, Yan Shi, Ying Wang, Ramesh Reddigunta, Roble Jeffrey, Bruce Ellsworth, David Gordon, Matt Soars, Michael Gill, Peter Cheng
PA5384	Role of MUC4 in idiopathic pulmonary fibrosis Beatriz Ballester Llobell (Burjassot (Valencia), Spain), Javier Milara Payá, Paula Montero Magalló, Inés Roger Laparra, Cristina Estornut Navarro, Julio Cortijo Gimeno
PA5385	In vivo blockade of KCa3.1 ion channel alleviates ER stress in type II alveolar epithelial cells and macrophages in pulmonary fibrosis K. Udari Eshani Perera (Melbourne (VIC), Australia), Sasika Nimanthi Vithana Dewage, Habtamu B. Derseh, Paul John Benham, Andrew Stent, Louise Organ, Ken Snibson

- PA5386 Tankyrase(TNKS) inhibiting autophagy promotes the TGF- β induced EMT process in vitro and Bleomycin(BLM) induced pulmonary fibrosis in rats**
Lian Liu (Chengdu (Sichuan), China), Tao Wang, Zhicheng Yuan, Dan Xu, Fuqiang Wen

6B Session 558 10:45 - 12:45

Poster discussion: Genes and environment

Disease(s) : **Airway diseases**

Method(s) : Epidemiology Pulmonary function testing Cell and molecular biology Imaging Public health

Chairs : Ian P. Hall (Nottingham (Nottinghamshire), United Kingdom), Daan W. Loth (Breda, Netherlands)

- PA5387 The genetic risk factors for developing chronic bronchitis in adolescent smokers**
Anastasiia Fialkovska, Svetlana Ilchenko
- PA5388 ADRB2 haplotypes and risk of exacerbations in asthmatic children and young adults treated with long-acting β 2-agonists: A meta-analysis in the PiCA consortium**
Leila Karimi (Rotterdam, Netherlands), Susanne J. Vijverberg, Marjolein Engelkes, Natalia Hernandez-Pacheco, Niloufar Farzan, Patricia Soares, Ben R. Francis, Maria Pino-Yanes, Celeste Eng, Somnath Mukhopadhyay, Maximilian Schieck, Michael Kabesch, Esteban G Burchard, Colin N.A Palmer, Steve Turner, Hettie M Janssens, Anke-Hilse Maitland-Van Der Zee, Katia M Verhamme
- PA5389 ADRB2 polymorphisms and risk of COPD exacerbations: the Rotterdam Study**
Leila Karimi (Rotterdam, Netherlands), Lies Lahousse, Mohsen Ghanbari, Natalie Terzikhan, André G. Uitterlinden, Johan Van Der Lei, Guy G. Brusselle, Bruno H. Stricker, Katia M. C. Verhamme
- PA5390 Polycystic ovary syndrome and lung function: a Mendelian randomization study**
Diana van der Plaats (London, United Kingdom), Cosetta Minelli, Deborah Jarvis, Judith Garcia-Aymerich, Francisco Gomez-Real, Bénédicte Leynaert
- PA5391 Relationship between alpha-1-antitrypsin deficiency and ascending aortic distention**
Alexandra Mulvenna (Haddonfield, United States of America), Farouk Dako, Huaqing Zhao, Seen Gupta, Scott Simpson, Friedrich Kueppers
- PA5392 Association of AQP5 gene polymorphisms with osmotic airway hyperresponsiveness in asthma**
Denis Naumov (Blagoveshchensk (Amur Oblast), Russian Federation), Olesya Kotova, Dina Gassan, Evgeniya Afanaseva, Juliy Perelman, Victor Kolosov
- PA5393 New genetic variants associated with eosinophil cationic protein and eosinophil-derived neurotoxin levels identified through bivariate genome-wide association study**
Raphaël Vernet (Paris, France), Patricia Margartite-Jeannin, Régis Matran, Farid Zerimech, Valérie Siroux, Marie-Hélène Dizier, Rachel Nadif, Florence Demenais, Emmanuelle Bouzigon
- PA5394 Effects of inhaled corticosteroids on DNA methylation in peripheral blood cells in children with asthma**
Maura Kere (Stockholm, Sweden), Olena Gruzieva, Vilhelmina Ullemar, Cilla Söderhäll, Dario Greco, Inger Kull, Anna Bergström, Göran Pershagen, Catarina Almqvist, Erik Melén
- PA5395 Interaction with air pollution exposure for genetic loci associated with lung function**
Anna Hansell (Leicester, United Kingdom), Louise Wain, Mesut Erzurumluoglu, Carl Melbourne, Dany Doiron, Kees De Hoogh, Martin Tobin
- PA5396 Association of RAGE gene multiple variants with the risk for asthma and COPD in a population-based Han Chinese cohort**
Hongtao Niu (Beijing, China), Ting Yang, Wenquan Niu, Ke Huang, Ruirui Duan, Tao Yu, Chen Wang
- PA5397 Genetic and environmental factors linked with oxidant-antioxidant balance and their relationship with respiratory health in UK Biobank**
Laura Horsfall (London, United Kingdom), Stephen Burgess, Ian Hall, Irwin Nazareth
- PA5398 Genetic variants and lung function decline in the LifeLines cohort study**
Maaïke de Vries (Groningen, Netherlands), Judith Vonk, Marika Boezen
- PA5399 Anxiety in a population tested for alpha-1 antitrypsin deficiency.**
Danielle Woodford (Charleston, United States of America), Tatsiana Beiko, Charlie Strange

6C Session 559 10:45 - 12:45

Poster discussion: Crosstalk in chronic pulmonary diseases

Disease(s) : Airway diseases Thoracic oncology Interstitial lung diseases

Method(s) : Cell and molecular biology Physiology Epidemiology General respiratory patient care Surgery

Chairs : Olivier Burgy (Dijon, France), Jonathan R. Baker (London, United Kingdom)

PA5401 **Late Breaking Abstract - Investigation of the epithelial-mesenchymal paracrine interactions in lung tissue repair and fibrosis.**
Franco Conforti (Southampton (Hampshire), United Kingdom), Robert Ridley, Mark Jones, Aiman Alzetani, Christopher Brereton, Yihua Wang, Paul Skipp, Luca Richeldi, Donna Davies

PA5402 **Epithelial dysregulation in obese severe asthmatics with gastro-oesophageal reflux**
Jeanne-Marie Perotin-Collard (Reims, France), James Pr Schofield, Susan J Wilson, Jonathan Ward, Joost Brandsma, Fabio Strazzeri, Aruna T Bansal, Xian Yang, Anthony Rowe, Julie Corfield, Rene Lutter, Dominic Shaw, Per S Bakke, Massimo Caruso, Barbro Dahlén, Stephen J Fowler, Ildiko Horvath, Peter Howarth, Norbert Krug, Paolo Montuschi, Marek Sanak, Thomas Sandström, Kai Sun, Ioannis Pandis, Charles Auffray, Bertrand De Meulder, Diane Lefaudeux, John Riley, Ana R Sousa, Sven-Eric Dahlen, Ian M Adcock, Kian Fan Chung, Peter J Sterk, Paul J Skipp, Jane E Collins, Donna E Davies, Ratko Djukanovic

PA5403 **IL33 receptor activation is IL33 isoform and receptor genotype specific**
Michael Portelli (Nottingham (Nottinghamshire), United Kingdom), Matthew Edwards, Maria Ketelaar, Cheng-Jian Xu, Joshua Hoffman, David Mayhew, Ian Hall, Martijn Nawjin, Gerard Koppelman, Antoon Van Oosterhout, Ian Sayers

PA5404 **Role of DNA methylation in Muc5AC hyperexpression in severe asthma**
Severine Letuve (Paris, France), Céline Sallon, Xu Yang, Anne Dumay, Sabrina Bedja, Fatima Hamidi, Noëlline Guillou, Pierre Mordant, Marina Pretolani, Camille Taillé

PA5405 **Sputum gene signature comparison study between U-BIOPRED and Australia asthma cohorts**
Stephany Sánchez-Ovando (Newcastle, Australia), Stelios Pavlidis, Peter Wark, Katie J Baines, Daniel Barker, Ian M. Adcock, Kian Fan Chung, Peter Gibson, Jodie L. Simpson

PA5406 **Aspirin exacerbated respiratory disease transcriptome analysis using RNA-seq**
Luis Manuel Teran Juarez (Mexico city, Mexico), Priyadarshini Vellore Sureshkumar, Alejandro Jimenez Chobillon

PA5407 **Analysis of microRNA expression profile in adipose tissue during allergic inflammation in the rat**
Aleksandra Szczepankiewicz (Poznań, Poland), Dawid Szczepankiewicz, Wojciech Langwiński, Ewa Pruszyńska-Oszmałek, Paweł Kolodziejcki

PA5408 **Visfatin as a possible serum biomarker in COPD**
Dimo Dimov (Stara Zagora, Bulgaria), Tanya Tacheva, Yanitsa Zhelyazkova, Niamh O'Donoghue, Denits Vlaykova, Tatyana Vlaykova

PA5409 **An in vitro method showing the atrophic effect of the COPD serum on healthy human myotubes**
Pascal Pomiès (Montpellier Cedex 5, France), Matthias Cateau, Farès Gouzi, Léo Blervaque, Emilie Passerieux, Marine Blaquièrre, Bronia Ayoub, François Bughin, Jacques Mercier, Maurice Hayot

PA5410 **Using transcriptomics to understand the potential functions of lung function associated gene, GPR126 in human airway smooth muscle cells**
Robert Hall (Nottingham (Nottinghamshire), United Kingdom), Michael Portelli, Ian Hall, Ian Sayers

PA5411 **In vitro genome editing using CRISPR/Cas9 to edit SERPINA1 PiZ mutation**
Lucia Banyuls (Valencia, Spain), Daniel Pellicer, Silvia Castillo, María Magallón, María Mercedes Navarro, Amparo Escribano, Francisco Dasí

PA5412 **Leukotriene C4 synthase deficiency causes spontaneous emphysematous changes in mice**
Yumiko Ishii (Montreal, Canada), Toby McGovern, Utako Fujii, Emily Nakada, Soroor Farahnak, Niusha Khazaei, James Martin

PA5413 **Longitudinal effects of smoking cessation on DNA methylation in bronchial biopsies of COPD and asymptomatic smokers**
Alen Faiz (Groningen, Netherlands), Senani N.H. Rathnayake, Corneelis Vermeulen, Wim Timens, Wierd Kooistra, Brian Oliver, Brigitte Willemse, Nick H.T. Ten Hacken, Irene H. Heijink, Corry-Anke Brandsma, Maarten Van Den Berge

PA5414 **Structural and clinical characterization of novel missense variants of SERPINA1 gene causing alpha-1 antitrypsin deficiency**
Cristina Esquinas (Barcelona, Spain), Irene Belmonte, Angel Gonzalez, Miriam Barrecheguren, Alexa Nuñez, Mikel Sarasate, Eduardo Loeb, Esther Rodriguez, Francisco Rodriguez-Frias, Marc Miravittles

PA5415 **Plasma circulating miRNAs as diagnostic and prognostic biomarkers in alpha-1 antitrypsin deficiency.**
Francisco Jose Dasí Fernandez (Valencia, Spain), Sara Pastor, María Magallón, Silvia Castillo, Daniel Pellicer, Lucía Bañuls, María Mercedes Navarro-García, Amparo Escribano

- PA5417 Investigation and functional enrichment analysis of the human gene interaction network with common gram-negative respiratory pathogens predicts possible association with lung adenocarcinoma.**
Lydia - Eirini Giannakou (Larissa, Greece), Athanasios-Stefanos Giannopoulos, Erasmia Rouka, Chrissi Hatzoglou, Konstantinos Gourgoulanis, Sotirios Zarogiannis

6D Session 560 10:45 - 12:45

Poster discussion: Paediatric asthma: risk factors, biomarkers and the basics

Disease(s) : [Airway diseases](#)

Method(s) : Pulmonary function testing General respiratory patient care Epidemiology Physiology Public health

Chairs : Stephen Turner (Aberdeen (Aberdeenshire), United Kingdom), Christiane Lex (Göttingen, Germany)

- PA5418 Late Breaking Abstract - A symptom-based algorithm to improve asthma diagnosis in early childhood:the CHILD Cohort Study**
Padmaja Subbarao (Toronto (ON), Canada), Maxwell Tran, Ruixue Dai, Wendy Lou, Melanie Emmerson, Christoffer Dharma, Diana Lefebvre, Theo Moraes, Allan Becker, Elinor Simons, Piush Mandhane, Stuart Turvey, Malcolm Sears
- PA5419 By how much can exhaled nitric oxide vary over three months in children with stable asthma?**
Stephen Turner (Aberdeen (Aberdeenshire), United Kingdom), Shona Fielding, Marielle Pijnenburg, Johan De Jongste, Katy Pike, Graham Roberts, Helen Petsky, Anne Chang, Maria Fritsch, Thomas Frischer, Peter Gergen, Stanley Szeffler, Francoise Vermeulen, Robin Vael
- PA5420 Fractional exhaled Nitric Oxide levels: an objective indicator for asthma severity**
Nir Diamant (Tel aviv, Israel), Israel Amirav, Keren Armoni-Domani, Udi Shapira, Reut Rital, Mika Rochman, Moria Beer, Moran Lavie
- PA5421 Association of Blood Eosinophil and Neutrophil with Asthma Control in Children**
Jagdish Prasad Goyal (Jodhpur (Rajasthan), India), Prawin Kumar, Sachin Singh
- PA5423 Raised FeNO is associated with lower FEV1 and FEV1/FVC in children with asthma**
David Lo (Rothley, United Kingdom), Lesley Danvers, Damian Roland, Matthew Richardson, Yaling Yang, Caroline Beardsmore, Andrew Wilson, Erol Gaillard
- PA5424 Electric impedance tomography discriminates asthmatics during methacholine challenge test**
Anna Folino (Torino (TO), Italy), Lorenzo Appendini, Carlo Minero, Gabriela Ferreyra, Carlotta Botto, Carlo De Pieri, Manuela Goia, Elisabetta Bignamini
- PA5425 Impact of breastfeeding on lung function, respiratory and allergic diseases in school children**
Olga Gorlanova (Aesch, Switzerland), Rhea Appenzeller, Oliver Fuchs, Jakob Usemann, Andras Soti, Claudia E. Kuehni, Martin Rössli, Philipp Latzin, Urs Frey
- PA5426 Patterns of drug utilisation over age in asthmatic children**
Esmé J. Baan (Rotterdam, Netherlands), Astrid Heeremans, Leila Karimi, Guy G. Brusselle, Miriam Sturkenboom, Johan De Jongste, Lies Lahousse, Hettie M. Janssens, Katia Verhamme
- PA5427 Routine clinical use of Electronic Monitoring Devices (EMD) to measure inhaler adherence in children with Difficult Asthma (DA)**
Susan Frost (Birmingham, United Kingdom), Susan Frost, Joanna Bennett, Benjamin Davies, Isobel Brookes, Priti Kenia, Satish Rao, Prasad Nagakumar
- PA5428 Adherence, airway inflammation and adrenal suppression in children with asthma.**
Louise Selby (Cambridge (Cambridgeshire), United Kingdom), Angela Jamalzadeh, Pippa Hall, Andrew Bush, Sammy Ndlovu-Dawika, Sejal Saglani, Louise Fleming
- PA5429 A three months period of electronic monitoring is sufficient to assess adherence and improve asthma control**
Anja Jochmann (Binningen, Switzerland), Luca Artusio, Jakob Usemann, Angela Jamalzadeh, Urs Frey, Andrew Bush, Louise Fleming
- PA5430 Impact of knowledge, attitude and perceptions on medication adherence in children with asthma**
Andrea Chiang (Singapore, Singapore), Ai Huay Teo, Guan Tain Lee, Soh Yan Tan, Mary Hoon, Oh Moh Chay, Anne Goh, Yi Hua Tan, Zairu Cheng, Arun Kumar Pugalenthil, Oon Hoe Teoh, Biju Thomas
- PA5432 The suitability of exhaled breath compounds to identify children with exercise induced bronchoconstriction is modulated by the use of inhaled corticosteroids.**
Jean Driessen (Enschede, Netherlands), Mattienne van der Kamp, Marc Van Der Schee, Boony Thio
- PA5433 Diagnosing asthma accurately in school-aged children suspected to have asthma**
Carmen de Jong (Bern, Switzerland), Eva Pedersen, Myrofora Goutaki, Daniel Trachsel, Juerg Barben, Claudia Kuehni

PA5434 **Meta-analysis of inhaled corticosteroids response in children with asthma.**
Natalia Hernandez-Pacheco (Santa Cruz De Tenerife, Spain), Susanne J Vijverberg, Mario Gorenjak, Carlos Flores, Ben Francis, Niloufar Farzan, Almudena Corrales, Leila Karimi, Cyrielle Maroteau, Maximilian Schieck, Katja Repnik, Lina Pérez-Méndez, Patricia Soares, Vojko Berce, Roger Tavendale, Olaia Sardon, Paula Corcuera, Javier Korta, Somnath Mukhopadhyay, Munir Pirmohamed, Katia Mc Verhamme, Michael Kabesch, Daniel B Hawcutt, Steve Turner, Colin N Palmer, Uroš Potočnik, Anke H Maitland-Van Der Zee, Maria Pino-Yanes

PA5435 **Is childhood asthma associated with biological aging markers?**
Maribel Casas (Barcelona, Spain), Ana Belén, Lea Maitre, Mariona Bustamante, Diana Clemente, Valérie Siroux, Alicia Abellan, Berit Granum, Lydiane Agier, Stefano Guerra, Tim Nawrot, Martine Vrijheid

7B **Session 561** **10:45 - 12:45**

Poster discussion: Mechanisms underlying respiratory infection

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology General respiratory patient care Pulmonary function testing Imaging Endoscopy and interventional pulmonology

Chairs : Martin Witzenzath (Berlin, Germany), Andrea Collins (Cheshire, United Kingdom)

PA5436 **LSC - 2019 - RNA degradation is a deficient antiviral mechanism in the asthmatic airway epithelium**
Rocio Teresa Martinez-Nunez (London, United Kingdom), Taowen Wong, Jennifer Rynne, Peter H Howarth, Michael R Edwards, Rocio Teresa Martinez-Nunez

PA5437 **Glucose catabolism by respiration assisted fermentation leading to acetate production has a key contribution to chronic patient airway infection by Haemophilus influenzae**
Juncal Garmendia Garcia (Mutilva, Navarra, Spain), Nahikari López-López, Begoña Euba, Goizeder Almagro, Sara Martí, José Ramos-Vivas, Javier Pozueta-Romero, Mariette Barbier, Roberto Díez-Martínez, Ulrike Kappler

PA5438 **Neutrophils and oxidative stress markers may be a useful indicator for initiating chemotherapy in NTM patients**
Shuji Oh-Ishi (Naka-gun, Japan), Kenji Nemoto, Sousuke Matumura, Yuka Kitaoka, Takafumi Shimada, Hitomi Goto, Mizu Nonaka, Yuika Sasatani, Naoki Arai, Kentaro Hyodo, Yukiko Miura, Takio Takaku, Kenji Hayashihara, Shimao Fukai, Takefumi Saito

PA5439 **Infectious Human Rhinovirus persists in in vitro human nasal epithelial cells with waning induction of corresponding innate immune signatures activation**
Hsiao Hui Ong (Singapore, Singapore), Kai Sen Tan, Yew Kwang Ong, Mark Thong, Vincent Tk Chow, De-Yun Wang

PA5440 **Macrophage inflammatory responses to Non-typeable Haemophilus influenzae (NTHi) are strain-dependent**
Jodie Ackland (Southampton (Hampshire), United Kingdom), Karen Osman, C. Mirella Spalluto, David W Cleary, Myron Christodoulides, Tom Wilkinson, Karl J Staples

PA5441 **Dynamics of IFN-β responses during respiratory viral infection: insights for therapeutic strategies**
Cosma Mirella Spalluto (Southampton (Hampshire), United Kingdom), Alastair Watson, Christopher Mccrae, Dorian Cellura, Hannah Burke, Danen Cunoosamy, Anna Freeman, Alex Hicks, Michael Hühn, Kristoffer Ostridge, Karl Staples, Outi Vaarala, Tom Wilkinson

PA5442 **RNA sequencing revealed transcriptomic changes of the human nasal epithelium following human influenza infection**
Kai Sen Tan (Singapore, Singapore), Anand Andiappan, Bernett Lee, Yan Yan, Jing Liu, Olaf Rotzschke, Vincent Chow, De Yun Wang

PA5443 **Pseudomonas aeruginosa flagellin modulates the immune response in ex vivo lung tissue slices**
Valerie Beneke (Hannover, Germany), Nora Grahl, Olga Danov, Sebastian Konzok, Peter Braubach, Danny Jonigk, Gregor Warnecke, Olaf Pfennig, Hans-Gerd Fieguth, Armin Braun, Katherina Sewald, Susanne Häußler, Sabine Wronski

PA5444 **Exosomal miRNAs and association with pulmonary tuberculosis**
Esmail Mortaz (Tehran, Islamic Republic of Iran), Shamila D. Alipoor, Gert Folkerts, Johan Garssen, Ian Adcock

PA5445 **P2X4/P2X7-signalling contributes to bacterial-induced aggravation of COPD**
Sven Schneider (Freiburg, Germany), Sanja Cicko, Andreas Zech, Madelon Hoßfeld, Marco Idzko

PA5446 **Extracellular nucleotides contribute to the pathogenesis of viral-induced exacerbations in COPD via P2X4/P2X7-receptor activation**
Sven Schneider (Freiburg, Germany), Sanja Cicko, Andreas Zech, Madelon Hoßfeld, Marco Idzko

PA5447 **The role of endothelin-1 in hospitalized patients with community-acquired pneumonia.**
Mariia Krykhtina (Dniepropetrovsk, Ukraine), Kseniia Bielosludtseva, Tetiana Kirieieva, Tetiana Pertseva, Katerina Dyagovets

- PA5448** **Wood smoke effects on epithelial cell lines and human airway cells**
Alva Hansson (Umeå, Sweden), Greg Rankin, Oskari Uski, Maria Sehlstedt, Jenny Bosson, Jamshid Pourazar, Christoffer Boman, Robert Lindgren, Natxo Garcia Lopez, Annelie Behndig, Anders Blomberg, Thomas Sandström, Ala Muala
- PA5449** **Circulating microRNAs can identify endotypes of community-acquired pneumonia**
Francisco Sanz Herrero (Quart de Poblet (Valencia), Spain), Silvia Vicente Ferrer, María Luisa Briones, Marcelino Martínez, Jessica Lozada, Estrella Fernández Fabellas, Araceli Aibar, Santos Ferrer, Francisco Dasí Fernández
- PA5450** **Altered pulmonary capillary permeability in immunosuppressed guinea pig infected with serum type 1 Legionella pneumophila**
Xu Cai (Shenyang, China), Yu Chen, Jian Kang
- PA5451** **Lung vessels thrombosis in patients with lethal severe community-acquired pneumonia: electronic microscopies with 3D modeling**
Kseniia Bielosludtseva (Dnepropetrovsk, Ukraine), Tetiana Pertseva, Mariia Krykhtina, Viktoriia Sipalo, Katerina Dyagovets
- PA5452** **Dynamic changes of markers of endothelial function, hemostasis, fibrinolysis and inflammation in hospitalized patients with community-acquired pneumonia**
Kseniia Bielosludtseva (Dnepropetrovsk, Ukraine), Tetiana Pertseva, Tetiana Kirieieva, Mariia Krykhtina
- PA5453** **The release of interleukin-26 from alveolar type II cells and its response to stimuli from Gram-negative and Gram-positive bacteria**
Karlhans Che (Stockholm, Sweden), Graziella Tabacaru, Anders Linden

RETIRO

Session 562

10:45 - 12:45

Poster discussion: Pulmonary arterial hypertension: recent advances from the bedside

Disease(s) : Pulmonary vascular diseases

Method(s) : Physiology Imaging Pulmonary function testing Pulmonary rehabilitation General respiratory patient care
Epidemiology Endoscopy and interventional pulmonology

Chairs : Luke Howard (London, United Kingdom), Pilar Escribano-Subias (Madrid, Spain)

- PA5454** **Thoracic CT features of patients with BMPR2 mutation: preliminary analysis from the UK National Cohort Study of Idiopathic and Heritable PAH**
Marcella Cogliano (Sheffield, United Kingdom), Allan Lawrie, David G. Kiely, Robin A. Condliffe, Smitha Rajaram, Nicholas Sreaton, Charaka Hadinnapola, Emilia M. Swietlik, Stefan Gräf, Luke S. Howard, Gerry Coghlan, S. John Wort, Joanna Pepke-Zaba, James Lordan, Martin K. Johnson, Martin R. Wilkins, Nicholas W. Morrell, Andrew J. Swift
- PA5455** **Pulmonary vascular disease (PVD) in patients with Sjögren syndrome - a prospective cross-sectional study**
Philipp Douschan (Graz, Austria), Jutta Horwath-Winter, Josef Hermann, Martin Stradner, Teresa Sassmann, Vasile Foris, Alexander Avian, Horst Olschewski, Gabor Kovacs
- PA5456** **Pulmonary hypertension associated with neurofibromatosis type 1: data from the French Pulmonary Hypertension Registry**
Etienne-Marie Jutant (Paris, France), Xavier Jaïs, Barbara Girerd, Xavier Mignard, Maria-Rosa Ghigna, Delphine Bourlier, Cécile Tromeur, Emmanuel Bergot, Grégoire Prévot, Claire Dauphin, Nicolas Favrolt, Julie Traclet, Pamela Mocerri, Thibaud Soumagne, Fabrice Bauer, Pascal Degroote, Cécile Chabanne, Pascal Magro, Laurent Bertoletti, Laurent Savale, Florent Soubrier, Gérald Simonneau, Olivier Sitbon, Pierre-Yves Brillet, Marc Humbert, David Montani
- PA5457** **Macitentan in portopulmonary hypertension (PoPH): Real-world data from OPUS and OrPHeUS**
Nick Kim (La Jolla, United States of America), Kelly Chin, Vallerie Mclaughlin, Ricardo Restrepo-Jaramillo, Zeenat Safdar, Monika Brand, Megan Flynn, Sandrine Leroy, Adele Morganti, Richard Channick
- PA5458** **Macitentan in pulmonary hypertension (PH): Data from OPUS and OrPHeUS real-world data sets**
Nick Kim (La Jolla, United States of America), Richard Channick, Kelly Chin, Lana Melendres-Groves, Ashwin Ravichandran, Monika Brand, Megan Flynn, Sandrine Leroy, Adele Morganti, Vallerie Mclaughlin
- PA5459** **Diagnostic accuracy of right ventricular trabecular mass measurements as measured on cardiac MRI in suspected pulmonary hypertension**
Alistair Macdonald (Sheffield, United Kingdom), Chris Johns, Pankaj Garg, Marcella Cogliano, Robin Condliffe, Jim Wild, David Kiely, Andrew Swift
- PA5460** **Diagnostic and prognostic value of a diagnostic CT regression model in suspected pulmonary hypertension**
Andy Swift (Sheffield (South Yorkshire), United Kingdom), Chris Johns, Matthew Chin, Ben Currie, Chalie Elliot, Thanos Charalampopoulos, Ian Sabroe, Krit Dwivedi, Smitha Rajaram, Catherine Hill, Jim Wild, Robin Condliffe, David Kiely
- PA5461** **Sequential analysis of right ventricular function and exercise capacity in pulmonary arterial hypertension**
Toshitaka Nakaya (Sapporo, Japan), Takahiro Sato, Taku Watanabe, Hiroshi Ohira, Noriko Oyama-Manabe, Ichizo Tsujino

- PA5462 Dose-response relationship of oral treprostinil for secondary endpoints in the FREEDOM-EV study**
R James White (Rochester, United States of America), E Grünig, C Jerjes-Sanchez D, G M Bohns Meyer, T Pulido, P Sepulveda, K Y Wang, C Q Deng, R Grover, D Solum, A Ousmanou, V F Tapson
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- PA5463 Long-term safety and outcome of subcutaneous and intravenous treprostinil in patients with severe chronic pulmonary hypertension**
Satenik Harutyunova (Heidelberg, Germany), Nicola Benkamin, Christina Eichstaedt, Alberto Maria Marra, Panagiota Xanthouli, Benjamin Egenlauf, Ekkehard Grünig
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- PA5464 Hemodynamic phenotypes in systemic sclerosis patients screened for pulmonary hypertension – impact of the new PH-definition**
Panagiota Xanthouli (Heidelberg, Germany), Nicklas Milde, Vivienne Theobald, Alberto M Marra, Nicola Benjamin, Christian Nagel, Christina A Eichstaedt, Norbert Blank, Benjamin Egenlauf, Satenik Harutyunova, Hanns-Martin Lorenz, Ekkehard Grünig
-
- PA5465 Factors associated with daily physical activity in patients with Pulmonary arterial hypertension.**
Layse Lima (Campinas, Brazil), Felipe Mendes, Marcos Moreira, Daniela Oliveira, Mônica Pereira
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- PA5466 Using Step Count to Enhance Daily Physical Activity in PH, a pilot-study (STEP in PH).**
Beatrice Vigo (Milano (MI), Italy), Rocco Francesco Rinaldo, Sara Job, Fabiano Di Marco, Luke Howard
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- PA5467 Therapeutic limitations of oral medications to normalize hemodynamics in patients with pulmonary artery hypertension.**
Hiroto Shimokawahara (Okayama city, Japan), Hiromi Matsubara, Kazuna Hayashi, Takahiro Nishihara, Masahiro Tsuji, Takanori Naito, Masataka Shigetoshi, Isao Tabuchi, Mitsuru Munemasa
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- PA5468 Characteristics of patients meeting the new definition of pulmonary hypertension (Nice 2018) in single Japanese PH center.**
Keiko Yamamoto (Chiba, Japan), Nobuhiro Tanabe, Rika Suda, Akira Naito, Ayumi Sekine, Rintaro Nishimura, Takayuki Jujo, Ayako Shigeta, Seiichiro Sakao, Koichiro Tatsumi
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- PA5469 6 minute walk work and other clinical correlates of peak VO₂ in pulmonary vascular disease**
Lucy Robertson (Cambridge (Cambridgeshire), United Kingdom), Katrina Oates, Andy Fletcher, Karl Sylvester
-
- PA5470 Correlation between perceived quality of life among patients with Pulmonary Arterial Hypertension, the 6-minute walking test and the risk stratification.**
Amaya Martinez Meñaca (Santander (Cantabria), Spain), Ines Fernandez-Cuesta Peñafiel, Isabel Blanco Vich, Antonio Roman Broto, Jose Manuel Cifrian Martinez, Pilar Escribano Subias, Pedro Bedate Diaz
-
- PA5471 Right heart catheterization hemodynamics at rest and exercise in supine versus upright position with focus on pulmonary hypertension**
Mona Lichtblau (Zürich, Switzerland), Charlotte Berlier, Patrick Bader, Stéphanie Saxer, Elisabeth D. Hasler, Esther I. Schwarz, Michael Furian, Konrad E. Bloch, Silvia Ulrich

World Village Theatre	Session 64	09:00 - 09:30
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Session world village: Italian Registry of Severe Asthma (IRSA): State-of-the-art**Chairs :** Mauro Carone (Cassano Murge, Italy)

09:00 The added value of the registry
 Claudio Micheletto (S.Giovanni Lupatoto, Italy)

09:15 Data from the IRSA
 Adriano Vaghi (Bollate (MI), Italy)

World Village Theatre	Session 66	09:45 - 10:15
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Session world village: Opening Ceremony**Chairs :** Carlos Robalo Cordeiro (Coimbra, Portugal)**09:45**

World Village Theatre	Session 68	10:30 - 11:00
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Session world village: Indian Chest Society: heralding in the change

10:30 Raja Dhar (Kolkata (West Bengal), India), Rajesh Swarnakar (Nagpur (Maharashtra), India)

World Village Theatre	Session 93	11:15 - 11:45
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Session world village: WHO/ERS: Train-the-trainer in smoking cessation project

Aims : Tobacco cessation support were selected as target countries to implement the project (Greece, Republic of Moldova, Bangladesh, Ecuador, Nigeria). The three-years project has finished and ERS/WHO take the opportunity of ERS Congress to present the results, showing how the successful collaboration between WHO, ERS and other experts created a synergistic effect that is expected to spill over to neighbouring countries. The positive project results have stimulated many tobacco cessation training requests from other WHO Member States, leading to increased demand, which calls for WHO and ERS will continue and extend this project.

Chairs : Paraskevi Katsaounou (Athens, Greece)

World Village Theatre	Session 95	12:00 - 12:30
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Session world village: Tobacco control in Macedonia: EPACTT 2**Aims :** The recent activities of the Macedonian Respiratory Society on tobacco control and cessation shall be presented.

12:00 Tobacco control in Macedonia - EPACTT 2
 Speaker to be confirmed

World Village Theatre	Session 96	12:45 - 13:15
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Session world village: Role of the Chilean Respiratory Society against smoking burden in Chile**Aims :** To discuss with other delegates looking at coordinate work in this field.

12:45 Speaker to be confirmed

World Village Theatre	Session 163	13:30 - 14:00
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Session world village: Novelties and challenges in Romania: from COPD to anti-tobacco strategies

Aims : The aim of this session is to provide an overview of the new developments and progress on COPD prevalence in Romania. We are presenting the contribution of our society to the improvement of the diagnosis, education of doctors and patients on COPD. The second presentation objective is to inform participants about the continuing fight against the tobacco industry in Romania.

13:30 COPD Prevalence in Romania: what's new?
 Ruxandra Ulmeanu (Bucuresti (Sector 5), Romania), Florin Dumitru Mihaltan (Bucuresti, Romania), Roxana Maria Nemes (Bucuresti (Sector 5), Romania)

13:45 Tobacco heat not burning tobacco in Romania: another battle
 Florin Dumitru Mihaltan (Bucuresti, Romania)

World Village Theatre

Session 164

14:15 - 14:45

Session world village: Introduction of the Japanese Respiratory Society and the official Journal "Respiratory Investigation"

Aims : This session introduces the Japanese Respiratory Society (JRS) and the annual meeting of JRS.

In addition, we present the activities to accelerate the interchange between JRS and other foreign respiratory societies such as ERS, ATS and APSR.

We also explain our official English journal "Respiratory Investigation," which has been published from 2012.

14:15 Introduction of the Japanese Respiratory Society (JRS)
Yoshinori Hasegawa (, Japan)

14:25 Introduction of the annual meeting of JRS and activities to accelerate the interchanges between JRS and foreign societies
Yasuhiko Nishioka (Tokushima, Japan)

14:35 Introduction of our official journal "Respiratory Investigation"
Speaker to be confirmed

World Village Theatre

Session 190

15:00 - 15:30

Session world village: Supporting clean air and healthy lungs in the Asia-Pacific

Aims : To share the information about the current problem and solution in Asian Pacific Region.

15:00 Speaker to be confirmed

World Village Theatre

Session 192

16:30 - 17:00

Session world village: Tailored treatment and GOLD 2019 COPD Guideline

16:30 Tailored treatment and GOLD 2019 COPD Guideline
Speaker to be confirmed

World Village Theatre	Session 235	09:00 - 09:30
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Session world village: National and international activities of the Egyptian Society of Chest Diseases and Tuberculosis

Aims : Orientation of the different activities of the Society and the Egyptian journal of chest diseases and tuberculosis. The session is an invitation for different audiences to publish in the journal, the speaker is Prof. Mohamed Awad Tageldin, President of the Society.

Chairs : Mohamed Awad Tag El Din (Cairo, Egypt)

09:00 Speaker to be confirmed

World Village Theatre	Session 236	09:45 - 10:15
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Session world village: Driving awareness respiratory problems in Sri Lanka

Aims : This session is aimed at presenting various efforts and actions taken by the Sri Lanka College of Pulmonologists to drive awareness regarding respiratory problems in Sri Lanka.

09:45

World Village Theatre	Session 238	10:30 - 11:00
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Session world village: The role of Brazilian Thoracic Society combating environmental pollution

10:30 Speaker to be confirmed

World Village Theatre	Session 263	11:15 - 11:45
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Session world village: Adaptation and transformation in a rapidly changing environment

Aims : In this talk, the speaker will introduce another certification course initiated by the Society in the year 2020. Elaboration will be made on the rationale, steps and goals of this initiative. Besides, an update on the progress of the special interest groups will also be made to the audience.

Chairs : Yong-Kek Pang (Kuala Lumpur (Wilayah Persekutuan), Malaysia)

World Village Theatre	Session 264	12:00 - 12:30
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Session world village: International relations of Turkish Thoracic Society (TTS)

Aims : To discuss and to motivate the relations of TTS with international societies such as ERS, ATS and EAACI, as well as the regional and national societies surrounding Turkey.

Chairs : Nurdan Köktürk (Ankara, Turkey)

World Village Theatre	Session 265	12:45 - 13:15
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Session world village: Presentation of the ALAT Congress: Buenos Aires Argentina 2020

Aims : Official presentation of the ALAT Buenos Aires Argentina 2020 congress addressed to the Spanish speaking medical community.

12:45 Gustavo Giraldo (Montevideo , Uruguay), Gustavo Zabert (Neuquén, Argentina)

World Village Theatre	Session 332	13:30 - 14:00
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Session world village: ASSOBRAFIR news

Aims : The Physiotherapist's roles in the intensive care unit. We are discussing the association of mechanical ventilation with the cough management - the state of the art.

13:30 Speaker to be confirmed

World Village Theatre	Session 334	14:15 - 14:45
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Session world village: Supporting education and training for a world class workforce

Aims : The aim of the session is to communicate the remit of ARTP as an organisation, what we offer to members, the courses we run and what we have been involved with recently within the profession.

14:15 **Supporting education and training for a world class workforce**
Sara Mearthur (Edinburgh (Edinburgh), United Kingdom)

No Room Session 360 15:00 - 16:15

Session world village: World Village Tour

World Village Theatre Session 362 16:30 - 17:00

Session world village: Pakistan Chest Society: joint efforts in improving lung health in Pakistan

Aims : Brief presentations about Society initiative for improving lung health in Pakistan, common lung health issues in region, introduction of Society's Journal and updates on Pakistan Chest Society Biennial Conference.

16:30 **Joint efforts in improving lung health in Pakistan**
Nisar Ahmed Rao (Karachi (Sind), Pakistan), Javid Ahmad Khan (Karachi (Sindh), Pakistan), Khalid Waheed (Lahore (Punjab), Pakistan), Speaker to be confirmed

World Village Theatre	Session 191	09:00 - 09:30
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Session world village: Respiratory health of the national report and ILD registry

09:00 Speaker to be confirmed

World Village Theatre	Session 403	09:45 - 10:15
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Session world village: Session title to be confirmed

09:45

World Village Theatre	Session 404	10:30 - 11:00
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Session world village: Speaking a common language in pulmonary medicine

Aims : Though pulmonary diseases may be similar across borders, understanding concepts and approaches may differ. International collaboration, whether actual or virtual, facilitate these efforts.

10:30 **Speaking a common language in pulmonary medicine**
MALBAR FERRER (Iloilo City, Philippines), Roland Panaligan (Quezon City, Philippines), Patrick Gerard Moral (Mandaluyong, Philippines), Camilo Roa (Quezon City, Philippines)

World Village Theatre	Session 428	11:15 - 11:45
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Session world village: Research and educational activities in respiratory medicine for 2018-2019 in Kyrgyzstan

Aims : The purpose of this presentation will be to present and share the results and experience of research and educational projects on respiratory medicine in Kyrgyzstan, and their integration into the health system in Kyrgyzstan to improve the quality of medical care, especially at primary healthcare level.

World Village Theatre	Session 429	12:00 - 12:30
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Session world village: Current activities of the Austrian Society of Pneumology, Preview ERS Congress 2020 Vienna

12:00 Speaker to be confirmed

World Village Theatre	Session 430	12:45 - 13:15
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Session world village: TBC

12:45

World Village Theatre	Session 514	15:00 - 15:30
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Session world village: ISAM: Who we are and what we do

Aims : oral presentation

15:00 Speaker to be confirmed

World Village Theatre	Session 515	15:45 - 16:15
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Session world village: History of Respiratory Society of Serbia and achievements during last year

Aims : History of Society, short biography of main members, activities in the past year and plans for the future.

15:45 **History of RSS and achievements during last year**
Jelena Jankovic (Beograd, Republic of Serbia), Jelena Cvejić (Beograd, Republic of Serbia)



INDUSTRY SPONSORED SESSIONS

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Due to the large amount of data required to run the Congress App, we recommend using a Wi-Fi network to download it. Once downloaded the app doesn't need an internet connection to run. Delegates can access the app on their own devices or use the Congress Resource Areas where iPad are available to consult the programme.

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App – Industry Page / Exhibition Map

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The Congress Resources Areas will also provide delegates with the means to charge their Apple and Android devices for free.



PROGRAMME

This information was up-to-date on 25 September 2019

6F **Session 148** **13:00 - 14:30****Industry Lunchtime symposium: Joint ERS/Industry session: Prevention is better than Cure - Vaccination as one of the major preventive measures in Respiratory Medicine***Organised by GSK, Janssen, Pfizer Vaccines***Chairs :** Tobias Welte (Hannover, Germany), Daiana Stolz (Basel, Switzerland)

13:00	Influenza - still the most deadly virus worldwide Mathieu Blot (Dijon, France)	1498
13:20	Pneumococci - why could we not reduce mortality since 1950? Antoni Torres (Barcelona, Spain)	1499
13:40	RS Virus - a virus grows up Angela Branche (Rochester, United States of America)	1500

N101+102 **Session 157** **13:15 - 14:30****Industry practical workshop: First COPD ventilator to screen, detect and abolish Expiratory Flow Limitation (EFL)***Organised by Philips***Chairs :** David White (Denver, United States of America)

13:15	Physiology of COPD & EFL Peter M. A. Calverley (Liverpool (Merseyside), United Kingdom)	1504
13:40	Application of new ventilation therapy in hypercapnic patients with EFL Michael Polkey	1505
14:00	Practical session	1508

7B **Session 158** **13:15 - 14:30****Industry practical workshop: Ventilator integrated polygraphy - Latest monitoring solutions for NIV***Organised by Breas***Chairs :** Nicholas Hart (London, United Kingdom), Jan Storre (München, Germany)

13:15	The importance of nocturnal monitoring of NIV Stefano Nava (Bologna (BO), Italy)	1509
13:33	Optimized monitoring of NIV by using the effort belts Manuel Lujan Torne (Sabadell (Barcelona), Spain)	1510
13:51	Interactive analysis & discussion of NIV tracings. Learning by doing. Annalisa Carlucci (San Donato Milanese (MI), Italy)	1511
14:09	Hands-on workshop with Vivo 45	1512

N109+110 **Session 159** **13:15 - 14:30****Industry practical workshop: Connected NIV in COPD: from clinical practice to clinical research***Organised by ResMed***Chairs :** Adam Benjafield (San Diego, United States of America), Michael Dreher (Aachen, Germany)

13:15	Implementation of a telemonitoring programme for selected COPD patients: learnings and outcomes. Stefanie Werther (Essen, Germany)	1513
13:40	How to scale telemonitoring in a large NIV unit, 2 years of experience. Karen Hendry (, United Kingdom)	1514
14:00	Rationale and design of HomeVent Connect, a large prospective study of predictors of compliance with NIV using telemonitoring. Michael Dreher (Aachen, Germany)	1515

N111+112 **Session 160** **13:15 - 14:30****Industry practical workshop: Bronchoscopy in Adults & Children – News & Hands On***Organised by Karl Storz SE & Co. KG***Chairs :** Kaid Darwiche (Essen, Germany)**13:15** **Bronchoscopy in Adults & Children – News & Hands On** **1516****N113+114** **Session 161** **13:15 - 14:30****Industry practical workshop: Advances in Inhalation Therapy in Acute Care***Organised by Aerogen***Chairs :** Antoni Torres (Barcelona, Spain)**13:20** **Novel approaches in aerosol drug delivery for non-critical care patients**
Richard Costello (Dublin, Ireland)**13:35** **Targeting the critically ill patient: New insights into aerosol delivery to patients requiring ventilatory support**
Paolo Pelosi (Milano (MI), Italy)**A6.2** **Session 162** **13:15 - 14:30****Industry practical workshop: Endobronchial Ultrasound Workshop***Organised by FUJIFILM SonoSite***13:15** **Station 1: EBUS + Mini-probe system**
Station 2: EBUS + Mini-probe system
Station 3: Mini-probe system + Synapse 3D
Station 4: Symbionix Fujifilm EBUS scope simulator
Station 5: Symbionix Fujifilm EBUS scope simulator
Station 6: Pleural ultrasound SonoSite
J.M.A. Dr. Daniels, Joris Dr. van der Horst, Samy Dr. Lachkar, Rüdiger Dr. Eichholz **1517****8C** **Session 194** **17:15 - 19:15****Industry evening symposium: Beyond the clinical trial: managing severe eosinophilic asthma in practice***Organised by AstraZeneca***Chairs :** Jose M Olaguibel (Pamplona, Spain)**17:15** **Chair's welcome**
Jose M Olaguibel (Pamplona, Spain) **1736****17:25** **Severe eosinophilic asthma: a targeted approach with Fasentra (benralizumab)**
Marc Humbert (Paris, France) **1737****17:50** **Optimising treatment response with biologics in clinical practice**
Njira Lugogo (Durham, United States of America) **1738****18:15** **Oral corticosteroid usage in severe eosinophilic asthma: time to re evaluate?**
Jose M Olaguibel (Pamplona, Spain), Miguel Debono (Sheffield, United Kingdom) **1739****18:55** **Audience Q&A and concluding remarks**
Speaker to be confirmed **1740****9F** **Session 195** **17:15 - 19:15****Industry evening symposium: Personalised medicine in COPD: Matching the patient needs with the right care***Organised by Boehringer Ingelheim International GmbH***Chairs :** Klaus F. Rabe (Kiel, Germany)**17:15** **Welcome and introduction**
Klaus F. Rabe (Kiel, Germany) **1741**

17:20	Spotlight on patient-centred care: The patient, the needs, the outcomes David M. G. Halpin (Devon, United Kingdom)	1742
17:45	Optimising bronchodilator therapy in COPD: Who, why and when? Wisla A. Wedzicha (London, United Kingdom)	1743
18:10	A personalised medicine approach to ICS use in COPD Fernando J. Martinez (New York, United States of America)	1744
18:35	Personalised medicine applied to inhaler selection: Matching the patient with the right inhaler Donald A. Mahler (Hanover, United States of America)	1745
19:00	Panel discussion and closing comments Klaus F. Rabe (Kiel, Germany)	1746

8A Session 196 17:15 - 19:15

Industry evening symposium: Looking at the bigger picture in ILD: commitment to patient care

Organised by F. Hoffmann-La Roche

Chairs : Claudia Valenzuela (Madrid, Spain)

17:15	Welcome and opening Claudia Valenzuela (Madrid, Spain)	1747
17:20	No longer a blank canvas: current and future trials in ILD Toby Maher (St. Albans, United Kingdom)	1748
17:40	Picture this: monitoring FVC using home spirometry Marlies S. Wijsenbeek (Rotterdam, Netherlands)	1749
18:00	Completing the composition: caring for physical and mental health in ILD Elisabeth Bendstrup (Vejle, Denmark), Ingeborg Farver-Vestergaard (Aarhus, Denmark)	1750
18:30	A sense of perspective: treatment strategies for PH in ILD Juergen Behr (München, Germany)	1751
18:50	Panel discussion and Q&A Claudia Valenzuela (Madrid, Spain), Toby Maher (St. Albans, United Kingdom), Marlies S. Wijsenbeek (Rotterdam, Netherlands), Elisabeth Bendstrup (Vejle, Denmark), Ingeborg Farver-Vestergaard (Aarhus, Denmark), Juergen Behr (München, Germany)	1752
19:10	Close Claudia Valenzuela (Madrid, Spain)	1753

6F Session 197 17:15 - 19:15

Industry evening symposium: Introducing Dupilumab for Adolescents and Adults With Uncontrolled Severe Asthma With Type 2 Inflammation

Organised by Sanofi Genzyme and Regeneron

Chairs : Mario Castro (Kansas City, United States of America)

17:15	Introductory Remarks Mario Castro (Kansas City, United States of America)	1754
17:25	Unmet Treatment Needs in Uncontrolled Severe Asthma Patients With Type 2 Inflammation Giorgio Walter Canonica (Milano (MI), Italy)	1755
17:45	Dupilumab Impact on Asthma Control and Outcomes in Severe Asthma Mario Castro (Kansas City, United States of America)	1756
18:05	Dupilumab Impact on OCS Use and Lung Function in OCS-Dependent Severe Asthma Patients Jorge Maspero (Ciudad Autónoma Buenos Aires, Argentina)	1757
18:25	Use of Dupilumab in Severe Asthma: Real-World Experience From a Patient Cohort in France Camille Taillé (Paris, France)	1758

18:45 Panel Perspectives: Considerations for Patient Selection 1759
 Mario Castro (Kansas City, United States of America), Giorgio Walter Canonica (Milano (MI), Italy), Jorge Maspero (Ciudad Autónoma Buenos Aires, Argentina), Camille Taillé (Paris, France)

19:00 Panel Q&A/Closing Remarks 1760
 Mario Castro (Kansas City, United States of America), Giorgio Walter Canonica (Milano (MI), Italy), Jorge Maspero (Ciudad Autónoma Buenos Aires, Argentina), Camille Taillé (Paris, France)

N103 Session 198 17:15 - 19:15

Industry evening symposium: Taking a Risk Assessment-Based Approach in Pulmonary Arterial Hypertension

Organised by Actelion Pharmaceuticals Ltd

Chairs : Stephan Rosenkranz (Köln, Germany), Olivier Sitbon (Le Kremlin-Bicêtre, France)

17:15 Introduction 1761
 Olivier Sitbon (Le Kremlin-Bicêtre, France)

17:25 Patient case: Part 1 – Realizing the challenges and assessing the risk in Pulmonary Arterial Hypertension 1762
 Sean Gaine (Dublin, Ireland)

17:55 Patient case: Part 2 – Regular follow-up and early intervention in Pulmonary Arterial Hypertension 1763
 Nick Kim (La Jolla, United States of America)

18:25 The importance of a patient-focused approach 1764
 Luke Howard (London, United Kingdom)

18:55 Panel discussion 1765
 Stephan Rosenkranz (Köln, Germany), Olivier Sitbon (Le Kremlin-Bicêtre, France), Sean Gaine (Dublin, Ireland), Nick Kim (La Jolla, United States of America), Luke Howard (London, United Kingdom)

19:05 Closing remarks 1766
 Stephan Rosenkranz (Köln, Germany)

N104 Session 199 17:15 - 19:15

Industry evening symposium: Can a reduction in risk lead to an improvement in asthma control? “Who controls the past, controls the future” George Orwell

Organised by GSK & Menarini Group

Chairs : David Leather (London, United Kingdom), Luis Pérez De Llano (Lugo, Spain)

17:15 Chairman's introduction 1767
 David Leather (London, United Kingdom), Luis Pérez De Llano (Lugo, Spain)

17:25 Why at all stages of disease do we need to strive to gain asthma control 1768
 Andrew P. Greening (Edinburgh (Scotland), United Kingdom)

17:45 Learning from the past to advance and optimise care: Don't forget the things we have already learned 1769
 Tari Haahtela (Helsinki, Finland)

18:05 Evidence of effectiveness in asthma 1770
 Ashley Woodcock (Manchester (Greater Manchester), United Kingdom)

18:25 Why striving for effectiveness in maintenance therapy could lead to a reduction in risk 1771
 Huib A.M. Kerstjens (Groningen, Netherlands)

18:55 Q&A 1772
 David Leather (London, United Kingdom), Luis Pérez De Llano (Lugo, Spain)

6E Session 200 17:15 - 19:15

Industry evening symposium: ABCD in COPD

Organised by Menarini Group

Chairs : Alvar Agusti Garcia-Navarro (Barcelona, Spain), Bartolome R. Celli Croquer (Boston, United States of America)

17:15	Introduction Alvar Agusti Garcia-Navarro (Barcelona, Spain), Bartolome R. Celli Croquer (Boston, United States of America)	1773
17:20	The evolution of GOLD over time: past, present, future Claus Vogelmeier (Marburg, Germany)	1774
17:45	GOLD 2019: behind the scenes Dave Singh (Manchester, United Kingdom)	1775
18:10	Early COPD: how early is early? Alvar Agusti Garcia-Navarro (Barcelona, Spain)	1776
18:35	Envisioning a new COPD taxonomy Bartolome R. Celli Croquer (Boston, United States of America)	1777
19:00	Discussion Alvar Agusti Garcia-Navarro (Barcelona, Spain), Bartolome R. Celli Croquer (Boston, United States of America), Claus Vogelmeier (Marburg, Germany), Dave Singh (Manchester, United Kingdom)	1778

N101+102**Session 201****17:15 - 19:15****Industry evening symposium: The challenge and opportunity of managing AATD, bronchiectasis and COPD: You can make a difference***Organised by GRIFOLS, S.A.***Chairs :** Marc Miravittles (Barcelona, Spain)

17:15	Welcome and Introduction Marc Miravittles (Barcelona, Spain)	1779
17:20	New research developments in Alpha-1 Antitrypsin Deficiency (AATD) Timm Greulich (Marburg, Germany)	1780
17:50	The importance of Neutrophil Elastase (NE) in AATD and in other pulmonary disorders Francesco Blasi (Milan, Italy)	1781
18:20	Investigation of bronchiectasis-beyond the ERS guidelines Michael Loebinger (London, United Kingdom)	1782
18:50	The 16th Annual ALTA Research Grant Award–Introduction and program overview Marc Miravittles (Barcelona, Spain)	1783
18:55	2018 Alpha1-Antitrypsin Laurell's Training Award (ALTA) research project presentations 2019 ALTA Awards ceremony	1784
19:10	Summary and Close Marc Miravittles (Barcelona, Spain)	1785

RETIRO**Session 202****17:15 - 19:15****Industry evening symposium: Management Approaches in Idiopathic Pulmonary Fibrosis: can we do better for patients?***Organised by Galapagos NV***Chairs :** Maria Molina Molina (Barcelona, Spain), Michael Kreuter (Heidelberg, Germany)

17:15	Introduction and objectives Maria Molina Molina (Barcelona, Spain)	1786
17:25	Burden of disease and unmet medical need in Idiopathic Pulmonary Fibrosis: The Patient Perspective Klaus Geissler (Bietigheim-Bissingen, Germany)	1787
17:45	Burden of disease and unmet medical need in Idiopathic Pulmonary Fibrosis: The Clinicians Perspective Michael Kreuter (Heidelberg, Germany)	1788
18:05	Management strategies for Idiopathic Pulmonary Fibrosis Maria Molina Molina (Barcelona, Spain)	1789

18:25	How to model treatment effect on top of Standard of Care in clinical trials Paul Ford (Hassocks , United Kingdom)	1790
18:45	Summary and closing remarks Maria Molina Molina (Barcelona, Spain)	1791
18:55	Q&A	1792

6B Session 203 17:30 - 19:00

Industry evening mini symposium: Discover New Dimensions in Interventional Pulmonology

Organised by Olympus Europa SE & Co. KG

Chairs : Pallav L. Shah (London, United Kingdom)

17:30	Peripheral Nodule Management: Do we really need a bronchoscopist? Claus Peter Heussel (Heidelberg, Germany), Felix J.F. Herth (Heidelberg, Germany)	1793
17:50	EBUS-TBNA: new possibilities beyond common practice Pallav L. Shah (London, United Kingdom)	1794
18:10	Electrosurgery & APC: Discover the full potential Franz Stanzel (Hemer, Germany)	1795
18:30	Emphysema therapy with valves: Are we ready to go? Dirk-Jan Slebos (Groningen, Netherlands)	1796

6C Session 204 17:30 - 19:00

Industry evening mini symposium: Breathing new life into the challenge of NTM lung disease

Organised by Insmid Ireland Ltd.

Chairs : Charles Haworth (Cambridge, United Kingdom)

17:30	Introduction Charles Haworth (Cambridge, United Kingdom)	1797
17:35	The role of MAC in underlying respiratory disease Eva Polverino (Barcelona, Spain)	1798
17:50	Macrophages: the hidden domain of MACLD Jean-Louis Herrmann (Garches, France)	1799
18:05	The highs and the lows of guideline-based therapy for NTM – case review David E. Griffith (Tyler, United States of America), Eva Polverino (Barcelona, Spain)	1800
18:35	Guideline-based therapy (GBT) – the challenge of new and emerging guidelines David E. Griffith (Tyler, United States of America)	1801
18:50	Discussion and summary Charles Haworth (Cambridge, United Kingdom)	1802

6D Session 205 17:30 - 19:00

Industry evening mini symposium: Considerations in bacterial pneumonia: optimising diagnosis and treatment in high-risk patients

Organised by Pfizer Ltd

Chairs : Antoni Torres (Barcelona, Spain)

17:30	Welcome and introduction Antoni Torres (Barcelona, Spain)	1803
17:35	Why should you be concerned about bacterial pneumonia in high-risk patients? Antoni Torres (Barcelona, Spain)	1804
17:55	Modern antibiotic choices in community-acquired pneumonia Matteo Bassetti (Udine, Italy)	1805

18:20	Risk factors, clinical significance and treatment of Gram-negative resistant HAP/VAP in severely ill patients Marin Kollef (St. Louis, MO, United States of America)	1806
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18:45	Panel discussion and Q&A Antoni Torres (Barcelona, Spain), Matteo Bassetti (Udine, Italy), Marin Kollef (St. Louis, MO, United States of America)	1807
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18:55	Meeting summary and close Antoni Torres (Barcelona, Spain)	1808
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N113+114

Session 206

17:30 - 19:00

Industry evening mini symposium: The Next Step in Disease Management from an Interventional Pulmonology Perspective: Focusing on Lung Nodules and Emphysema

Organised by Broncus Medical - Uptake Medical

Chairs : Arschang Valipour (Wien, Austria)

17:30	Welcome and Introduction Arschang Valipour (Wien, Austria)	1809
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17:40	Expanding the Indication for BTVA - The NEXT STEP Feasibility Study Konstantina Kontogianni (Heidelberg, Germany)	1810
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17:55	Bronchoscopic Thermal Vapor Ablation: Real World Experience with BTVA Arschang Valipour (Wien, Austria)	1811
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18:10	The Evaluation of the Archimedes System for Transparenchymal Nodule Access (The EAST 2 Study) Gerard J. Criner (Philadelphia, United States of America)	1812
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18:25	Clinical Experience with the EMPOWER RF Catheter Felix J.F. Herth (Heidelberg, Germany)	1813
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18:40	Panel Discussion, Q&A (ALL) Arschang Valipour (Wien, Austria)	1814
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6A **Session 207** **07:00 - 08:15****Industry early morning symposium: Harnessing digital technology to improve the lives of patients with respiratory disease***Organised by Novartis Pharma AG***Chairs :** David Price (Singapore, Singapore)

07:00	Welcome and introduction David Price (Singapore, Singapore)	1815
07:05	Are we ready for the digital revolution? David Price (Singapore, Singapore)	1816
07:15	Using mobile spirometry to bring benefits to patients Konstantinos Kostikas (Ioannina, Greece), Omar S. Usmani (London, United Kingdom)	1817
07:30	Automated inhaler tracking for improved respiratory care Omar S. Usmani (London, United Kingdom), David Price (Singapore, Singapore)	1818
07:45	Can AI and machine learning already beat physicians? David Price (Singapore, Singapore), Konstantinos Kostikas (Ioannina, Greece)	1819
08:00	Q&A panel discussion	1820
08:10	Summary and close David Price (Singapore, Singapore)	1821

N101+102 **Session 324** **13:15 - 14:30****Industry practical workshop: Central sleep apnea management and use of Artificial Intelligence in sleep stages scoring***Organised by Philips***Chairs :** David White (Denver, United States of America), Michael Arzt (Regensburg, Germany)

13:15	Central Sleep Apnea Management Michael Arzt (Regensburg, Germany)	3188
13:35	Central sleep apnea - Interactive clinical cases Stefania Redolfi (Paris, France)	3189
13:55	Sleep staging : Inter-scorer agreement modelled by Artificial Intelligence - Interactive scoring session Peter Anderer (Wien, Austria)	3190
14:15	Hands-on workshop	3191

6A **Session 325** **13:15 - 14:30****Industry practical workshop: Advanced SDB treatment strategies to ensure long-term adherence***Organised by ResMed***Chairs :** Carlos M. Nunez (San Diego, United States of America)

13:15	Real world evidence: recent big data insights into SDB treatment and the need for tailored SDB therapy Carlos M. Nunez (San Diego, United States of America)	3192
13:25	POPIN study on advanced sleep bilevel therapy: better sleep quality and improved comfort TBD	3193
13:50	5-year follow up results from ORCADES: a long-term prospective study on OSA patients treated with the Narval oral appliance TBD	3194
14:15	Hands-on session	3195

6D

Session 326

13:15 - 14:30

Industry practical workshop: Using Humidified Nasal High Flow for COPD Patients*Organised by Fisher & Paykel Healthcare SAS***Chairs :** Marieke L. Duiverman (Groningen, Netherlands), Nicholas Hart (London, United Kingdom)

13:15	Hands-on Dry vs. humidified nasal high flow delivered with the myAirvo Evaluating different flow settings with the myAirvo	3196
13:30	Nasal High Flow during rehabilitation: a performance enhancement device for COPD patients? Michele Vitacca (Gussago (BS), Italy)	3197
13:50	Use of Humidified Nasal High Flow as a treatment for stable COPD patients Stefano Nava (Bologna (BO), Italy)	3198
14:10	Role of Humidified Nasal High Flow in treating acute respiratory failure for COPD patients Paolo Navalesi (Milan, Italy)	3199

7B

Session 327

13:15 - 14:30

Industry practical workshop: Update on transcutaneous PCO₂ monitoring in ventilated patients*Organised by SenTec***Chairs :** Wolfram Windisch (Cologne, Germany), Salvador Diaz Lobato (Colmenar Viejo (Madrid), Spain)

13:15	A word of welcome; Introduction Wolfram Windisch (Cologne, Germany)	3200
13:20	Live demonstrations Wolfram Windisch (Cologne, Germany), Salvador Diaz Lobato (Colmenar Viejo (Madrid), Spain)	3201
13:55	Chronic respiratory failure Wolfram Windisch (Cologne, Germany)	3202
14:05	Acute respiratory failure Salvador Diaz Lobato (Colmenar Viejo (Madrid), Spain)	3203
14:15	Hands-on workstations Wolfram Windisch (Cologne, Germany), Salvador Diaz Lobato (Colmenar Viejo (Madrid), Spain)	3204

N109+110

Session 328

13:15 - 14:30

Industry practical workshop: Does an improvement in lung function technology translate into better patient care? Relevance of accuracy in clinical studies and everyday clinical use.*Organised by ndd Medizintechnik AG***Chairs :** Robert L. Jensen (Salt Lake City, United States of America)

13:15	Does an improvement in lung function technology translate into better patient care? Helgo Magnussen (Großhansdorf, Germany)	3205
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N111+112

Session 329

13:15 - 14:30

Industry practical workshop: Experience New Dimensions in Interventional Pulmonology*Organised by Olympus Europa SE & Co. KG***Chairs :** Ales Rozman (Golnik, Slovenia), Franz Stanzel (Hemer, Germany)

13:15	Introduction	3206
13:30	Practice EBUS-TBNA with the Experts	3207
13:30	Practice Peripheral Bronchoscopy with the Experts Ales Rozman (Golnik, Slovenia)	3208
13:30	Practice Valve Therapy with the Experts	3209
13:30	Practice Argon Plasma Coagulation with the Experts Franz Stanzel (Hemer, Germany)	3210

N113+114

Session 330

13:15 - 14:30

Industry practical workshop: How Rapid Gas Analysers improve the measurement of single breath carbon monoxide uptake in the lung*Organised by Vitalograph***Chairs :** Adrian Hugh Kendrick (Bristol (Avon), United Kingdom)

13:15	How Rapid Gas Analysers improve the measurement of single breath carbon monoxide uptake in the lung	3211
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A6.2

Session 331

13:15 - 14:30

Industry practical workshop: Cryobiopsy hands-on training*Organised by Erbe Elektromedizin GmbH***Chairs :** Felix J.F. Herth (Heidelberg, Germany), Jürgen Hetzel (Tuebingen, Germany)

13:15	Prof. Felix Herth: Welcome and introduction Dr. Jürgen Hetzel: How to perform transbronchial cryobiopsy Cryobiopsy hands-on training	3212
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9D

Session 364

17:15 - 19:15

Industry evening symposium: New Horizons in The Treatment of Pulmonary Fibrosis*Organised by Boehringer Ingelheim International GmbH***Chairs :** Athol Wells (London, United Kingdom)

17:15	Welcome and introduction Athol Wells (London, United Kingdom)	3428
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17:25	The pathogenesis of IPF: what is the latest paradigm? Patricia Sime (Rochester, United States of America)	3429
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17:40	Splitting: the road to precision medicine in IPF? Eric White (Ann Arbor, United States of America)	3430
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18:00	Questions and answers	3431
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18:10	Lumping: are the commonalities among fibrosing ILDs more important than the differences? Vincent Cottin (Lyon, France)	3432
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18:25	How should we approach the treatment of progressive fibrosing ILDs? Kevin Brown (Denver, United States of America)	3433
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18:45	SSc-ILD: are we entering a new chapter in treatment? Toby Maher (St. Albans, United Kingdom)	3434
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19:00	Questions and answers	3435
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19:10	Summary and close Athol Wells (London, United Kingdom)	3436
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8A

Session 365

17:15 - 19:15

Industry evening symposium: A New Era of Asthma Management: Anti-Inflammatory Reliever as the Foundation of Care?*Organised by AstraZeneca***Chairs :** Paul O'Byrne (Hamilton (ON), Canada), Helen Reddel (Sydney, Australia)

17:15	Our Asthma Patients Are Still at Risk Paul O'Byrne (Hamilton (ON), Canada)	3437
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17:30	Anti-Inflammatory Reliever: Proven Benefits across All Severities of Asthma Richard Beasley (Wellington, New Zealand)	3438
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17:55	Moving Away from SABA-Only Treatment: 'The Most Important Change in Asthma Management in 30 Years' Helen Reddel (Sydney, Australia)	3439
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18:15	Leading a Social Movement to Overcome SABA Overreliance Siân Williams (London, United Kingdom)	3440
18:30	Achieving the Possible: A Frontline Perspective on Implementing Anti-Inflammatory Reliever Peter Lin	3441
18:50	Panel Discussion and Audience Q&A All	3442
19:10	Closing Remarks Helen Reddel (Sydney, Australia)	3443

6F Session 366 17:15 - 19:15

Industry evening symposium: Are we doing too little too late in COPD management?

Organised by GSK & Menarini Group

Chairs : Alvar Agusti Garcia-Navarro (Barcelona, Spain), Paul Jones (London, United Kingdom)

17:15	Co-chair's introduction Alvar Agusti Garcia-Navarro (Barcelona, Spain)	3444
17:25	Are others doing better: Can we learn from cardiologists? David Newby (Edinburgh (Edinburgh), United Kingdom)	3445
17:40	Can we more effectively manage COPD symptoms? François Maltais (Québec (QC), Canada)	3446
18:05	Can we better manage the risk of future COPD exacerbations? Mark Dransfield (Birmingham, United States of America)	3447
18:30	Why early optimisation of the treatment of COPD matters Neil C. Barnes (London, United Kingdom)	3448
18:55	Drawing it all together: Call to Action Paul Jones (London, United Kingdom)	3449
19:00	Q&A Alvar Agusti Garcia-Navarro (Barcelona, Spain), Paul Jones (London, United Kingdom)	3450

N103 Session 367 17:15 - 19:15

Industry evening symposium: Integrating Type 2 Biologics in the Management of Uncontrolled Severe Asthma: The Importance of Lung Function in Disease Control

Organised by Sanofi Genzyme and Regeneron Pharmaceuticals

Chairs : Klaus F. Rabe (Kiel, Germany)

17:15	Welcome and Introduction Klaus F. Rabe (Kiel, Germany)	3451
17:25	Impaired lung function: What does it mean for the patient? Marc Humbert (Paris, France)	3452
17:55	Unravelling type 2 inflammation and its role in lung physiology Klaus F. Rabe (Kiel, Germany)	3453
18:25	Targeted strategies for improving lung function in the management of severe asthma Michael E. Wechsler (Denver, United States of America)	3454
19:00	Panel Q&A and Closing Remarks Klaus F. Rabe (Kiel, Germany), Speaker to be confirmed	3455

N104 Session 368 17:15 - 19:15

Industry evening symposium: Moving inhalers into the digital world: Connecting patients with healthcare professionals

Organised by Teva Pharmaceuticals Europe B.V.

Chairs : Peter J. Barnes (London, United Kingdom), David Jiménez Castro (Madrid, Spain)

17:15	Welcome and introduction Peter J. Barnes (London, United Kingdom), David Jiménez Castro (Madrid, Spain)	3456
17:20	Optimising inhaler adherence: Navigating the challenges Bernard Vrijens (Liège, Belgium)	3457
17:40	Novel inhaler technologies: What role will these play in enhancing patient care? Henry Chrystyn (Bingley (West Yorkshire), United Kingdom)	3458
18:00	Connected health: What do the latest clinical data mean for the future? Richard Costello (Dublin, Ireland)	3459
18:20	From lab to clinic: What will be the impact of new technologies on guidelines and future consultations? John Haughney (Aberdeen (Aberdeenshire), United Kingdom)	3460
18:45	Interactive discussion: What do new inhaler technologies mean for daily practice? Peter J. Barnes (London, United Kingdom), David Jiménez Castro (Madrid, Spain)	3461
19:10	Summary and close Peter J. Barnes (London, United Kingdom), David Jiménez Castro (Madrid, Spain)	3462

6E Session 369 17:15 - 19:15

Industry evening symposium: The journey towards personalized medicine in asthma: where are we now?

Organised by Novartis Pharma AG

Chairs : Roland Buhl (Mainz, Germany)

17:15	Welcome and introduction Roland Buhl (Mainz, Germany)	3463
17:25	In the era of personalized medicine, what are the current unmet needs in asthma? J. Mark FitzGerald (Vancouver (BC), Canada)	3464
17:45	Inhaled therapies: can they breathe new life into asthma? Ashley Woodcock (Manchester (Greater Manchester), United Kingdom)	3465
18:05	The pathway to inflammation in asthma: the role of the DP2 receptor Oscar Palomares (Madrid, Spain)	3466
18:25	Anti-IgE therapy: current knowledge and future perspective Roland Buhl (Mainz, Germany)	3467
18:45	Chair-led expert discussion and audience Q&A Roland Buhl (Mainz, Germany), J. Mark FitzGerald (Vancouver (BC), Canada), Ashley Woodcock (Manchester (Greater Manchester), United Kingdom), Oscar Palomares (Madrid, Spain)	3468
19:10	Summary and close Roland Buhl (Mainz, Germany)	3469

N101+102 Session 370 17:30 - 19:00

Industry evening symposium: Optimizing clinical outcomes in asthma and COPD: focus on inhaler satisfaction and patient adherence

Organised by Orion and Menarini

Chairs : Eric D. Bateman (Cape Town, South Africa), Piotr Kuna (ód , Poland)

17:30	Setting the scene Eric D. Bateman (Cape Town, South Africa)	3470
17:35	What really matters to patients with asthma and COPD Jose Luis Izquierdo Alonso (Guadalajara, Spain)	3471
17:50	Harnessing inhaler technology Federico Lavorini (Firenze (FI), Italy)	3472
18:10	Patient factors in successful asthma and COPD therapy Mark L. Levy (London, United Kingdom)	3473

18:30	Empowering patients with MART Eric D. Bateman (Cape Town, South Africa)	3474
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18:45	Panel discussion: the impact of patient preference and inhaler satisfaction on clinical outcomes Piotr Kuna (Łódź, Poland)	3475
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6B Session 371 17:30 - 19:00

Industry evening mini symposium: Chronic Cough and Refractory Chronic Cough

Organised by MSD

Chairs : Alyn Hugh Morice (Cottingham, United Kingdom)

17:30	Introduction Alyn Hugh Morice (Cottingham, United Kingdom)	3476
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17:35	Burden of Chronic Cough Christian Domingo Ribas (Sabadell (Barcelona), Spain)	3477
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17:55	Protective Cough & Pathologic Cough Brendan Canning (Baltimore, United States of America)	3478
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18:15	Medical Updates in Chronic Cough and Refractory Chronic Cough Lieven Dupont (Leuven, Belgium)	3479
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18:35	Q&A Speaker to be confirmed	3480
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18:55	Closing Alyn Hugh Morice (Cottingham, United Kingdom)	3481
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6C Session 372 17:30 - 19:00

Industry evening mini symposium: Living with AATD: Empowering patients and healthcare professionals

Organised by CSL Behring GmbH

Chairs : Robert A. Sandhaus (Bow Mar, United States of America), Charlie Strange (Charleston, United States of America)

17:30	Welcome and introduction Robert A. Sandhaus (Bow Mar, United States of America)	3482
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17:35	Acute exacerbations in COPD: Are they different in AATD? Robert Andrew Stockley (Birmingham (West Midlands), United Kingdom)	3483
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17:50	Self-administration: Taking patient empowerment seriously Andrea Zanichelli (Milano, Italy)	3484
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18:05	A patient's perspective on AAT self-administration Karen Skålvoll (Saarbrücken, Germany)	3485
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18:15	A physician's perspective on AATD self-administration Robert A. Sandhaus (Bow Mar, United States of America)	3486
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18:25	What pulmonary rehab can do for AATD patients Andreas Rembert Koczulla (Marburg, Germany)	3487
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18:40	The AATD strongman contest Karen Skålvoll (Saarbrücken, Germany), Andreas Rembert Koczulla (Marburg, Germany)	3488
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18:50	Questions and closing remarks Charlie Strange (Charleston, United States of America)	3489
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6D Session 373 17:30 - 19:00

Industry evening mini symposium: Targeting oxidative stress for respiratory disease treatment: challenges and opportunities

Organised by Zambon Spa

Chairs : Marc Miravittles (Barcelona, Spain)

17:40	The multifaceted role of N-acetylcysteine in respiratory and non-respiratory diseases: therapeutic advantages of its anti-oxidant activity Peter M. A. Calverley (Liverpool (Merseyside), United Kingdom)	3490
18:00	Advances in COPD treatment: N-acetylcysteine updates and perspectives Alberto Papi (Ferrara, Italy)	3491
18:20	Therapeutic approach for COPD in China: mucoactive therapy, anti-oxidant treatment and beyond Jieming Qu (Shanghai, China)	3492
18:40	Questions and Answers Closing remarks Marc Miravittles (Barcelona, Spain), Peter M. A. Calverley (Liverpool (Merseyside), United Kingdom), Alberto Papi (Ferrara, Italy), Jieming Qu (Shanghai, China)	3493

9B **Session 479** **13:00 - 14:30****Industry Lunchtime symposium: Joint ERS/Industry session: Time to be smarter about inhaler usage***Organised by GSK, Menarini Group, Mundipharma, Novartis, Teva, Vectura***Aims :** to gain a better understanding of the current and upcoming inhaler technologies.**Chairs :** Frans H.C. De Jongh (Enschede, Netherlands), Miguel Román Rodríguez (Palma De Mallorca, Spain)

13:00	SCIENCE: The Essential Knowledge for Clinical Practice. Omar S. Usmani (London, United Kingdom)	4843
13:20	TECHNOLOGY: Inhaler Usage – Is It Time To Get Smarter? Henry Chrystyn (Bingley (West Yorkshire), United Kingdom)	4844
13:40	PATIENTS: Does Supporting Adherence Improve Clinical Outcomes? David Price (Singapore, Singapore)	4845

N101+102 **Session 484** **13:15 - 14:30****Industry practical workshop: New Principles in the Continuum of COPD & NIV Management***Organised by Philips***Chairs :** Michael Polkey (London, United Kingdom), Teofilo Lee-Chiong (Denver, United States of America)

13:15	Reducing hospital readmissions in severe COPD Nicholas Hart (London, United Kingdom)	4852
13:30	End to End management of COPD patients - Interactive cases Michael Polkey (London, United Kingdom)	4853
13:50	Role of non-invasive ventilator data in the clinical decision process - Interactive cases Swapna Mandal (London, United Kingdom)	4854
14:05	Transitioning to a new life support ventilator Julie Yarascavitch (Monroeville, United States of America), Bill Truschel	4855
14:15	Hands-on Workshop	4856

N109+110 **Session 485** **13:15 - 14:30****Industry practical workshop: Zephyr® Endobronchial Valves for Successful Treatment of Severe Lung Emphysema: From Patient Selection to Valve Placement***Organised by Pulmonx***Chairs :** Arschang Valipour (Wien, Austria)

13:15	Current Clinical Evidence & Best Practices Pallav Shah	4857
13:30	Hands-on - Zephyr Valves Implantation - Chartis Assessment - Case Studies Review Felix Herth, Pallav Shah, Arschang Valipour	4858
14:25	Current Patient Selection & Treatment Algorithm Arschang Valipour	4859

N111+112 **Session 486** **13:15 - 14:30****Industry practical workshop: Simeox technology: how clearing the mucus in the small airways can impact respiratory symptoms***Organised by PhysioAssist***Chairs :** Capucine Morelot-Panzini (Paris, France)

13:15	Simeox technology: principle and benefits Florence Danet (Paris, France)	4860
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13:20	Simeox in obstructive pulmonary diseases William Poncin (Bruxelles, Belgium)	4861
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13:40	Demonstration of the Simeox connectivity solution featuring remote monitoring and on-line training offer Florence Danet (Paris, France)	4862
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14:05	Simeox device hands-on	4863
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N113+114 Session 487 13:15 - 14:30

Industry practical workshop: ePROs for use in Respiratory Clinical Drug Trials

Organised by Vitalograph

Chairs : Grant Sowman (Buckingham (Buckinghamshire), United Kingdom)

13:15	ePROs for use in Respiratory Clinical Drug Trials	4864
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A6.2 Session 488 13:15 - 14:30

Industry practical workshop: Endobronchial Ultrasound Workshop

Organised by FUJIFILM SonoSite

13:15	Station 1: EBUS + Mini-probe system Station 2: EBUS + Mini-probe system Station 3: Mini-probe system + Synapse 3D Station 4: Symbionix Fujifilm EBUS scope simulator Station 5: Symbionix Fujifilm EBUS scope simulator Station 6: Pleural ultrasound SonoSite J.M.A. Dr. Daniels, Joris Dr. van der Horst, Samy Dr. Lachkar, Rüdiger Dr. Eichholz	4865
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9F Session 517 17:15 - 19:15

Industry evening symposium: Building hope by restoring breathing in airways diseases

Organised by Chiesi Farmaceutici S.p.A.

Chairs : Alvar Agusti Garcia-Navarro (Barcelona, Spain)

17:15	New challenges in airway diseases Alvar Agusti Garcia-Navarro (Barcelona, Spain)	5074
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17:25	Targeting the sm(all) airways in Asthma and COPD Salman Siddiqui (Leicester, United Kingdom)	5075
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17:50	Triple therapies: opening spaces for hope in COPD patients Alberto Papi (Ferrara, Italy)	5076
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18:20	ICS for many or ICS for some. Inspiration comes from Adaptation Bartolome R. Celli Croquer (Boston, United States of America), Dave Singh (Manchester, United Kingdom)	5077
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19:00	Q&A	5078
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8A Session 518 17:15 - 19:15

Industry evening symposium: Putting COPD patient needs first: Time for optimizing treatment and device selection

Organised by Boehringer Ingelheim International GmbH

Chairs : Omar S. Usmani (London, United Kingdom)

17:15	Welcome and introduction Omar S. Usmani (London, United Kingdom)	5079
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17:20	The right treatment for the predominant treatable trait: What are the practical realities? David Price (Singapore, Singapore)	5080
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17:45	Getting it right: What does inhaler choice mean for patient outcomes? Donald A. Mahler (Hanover, United States of America)	5081
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18:05	Targeting therapy to the site of airflow limitation in COPD Omar S. Usmani (London, United Kingdom)	5082
18:30	Real life vs ideal life: What can we learn from clinical trials and observational studies of COPD Marc Miravittles (Barcelona, Spain)	5083
18:50	Q&A Omar S. Usmani (London, United Kingdom)	5084
19:10	Closing remarks Omar S. Usmani (London, United Kingdom)	5085

N104

Session 519

17:15 - 19:15

Industry evening symposium: Mepolizumab – the complete story: Eosinophils, real-world evidence and the power to choose

Organised by GSK

Chairs : Santiago Quirce (Madrid, Spain)

17:15	Chair's introduction Santiago Quirce (Madrid, Spain)	5086
17:25	Real-world evidence: A clinician's perspective Stephanie Korn (Mainz, Germany)	5087
17:45	Discussion: Eosinophils in health and disease Neil C. Barnes (London, United Kingdom), Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Peter Howarth (Brentford, United Kingdom)	5088
18:10	Administration: A positive choice for patients	5089
18:25	Mepolizumab: The reality for clinicians William Busse (Madison, United States of America)	5090
18:50	Q&A Santiago Quirce (Madrid, Spain), Neil C. Barnes (London, United Kingdom)	5091

6B

Session 520

17:30 - 19:00

Industry evening mini symposium: 2019 Updates on Pulmonary Hypertension

Organised by MSD

Chairs : Marion Delcroix (Leuven, Belgium)

17:30	Connective Tissue Disease Associated Pulmonary Hypertension: The Nature of the Relationship Marc Humbert (Paris, France)	5092
17:55	An update on PAH Management Marius M. Hoeper (Hannover, Germany)	5093
18:15	Balloon Pulmonary Angioplasty and Medical Therapy-Have we moved the needle? Gérald Simonneau (Le Kremlin-Bicêtre, France)	5094
18:35	From Literature to Clinical Practice: Interactive Q&A Discussion Marion Delcroix (Leuven, Belgium)	5095



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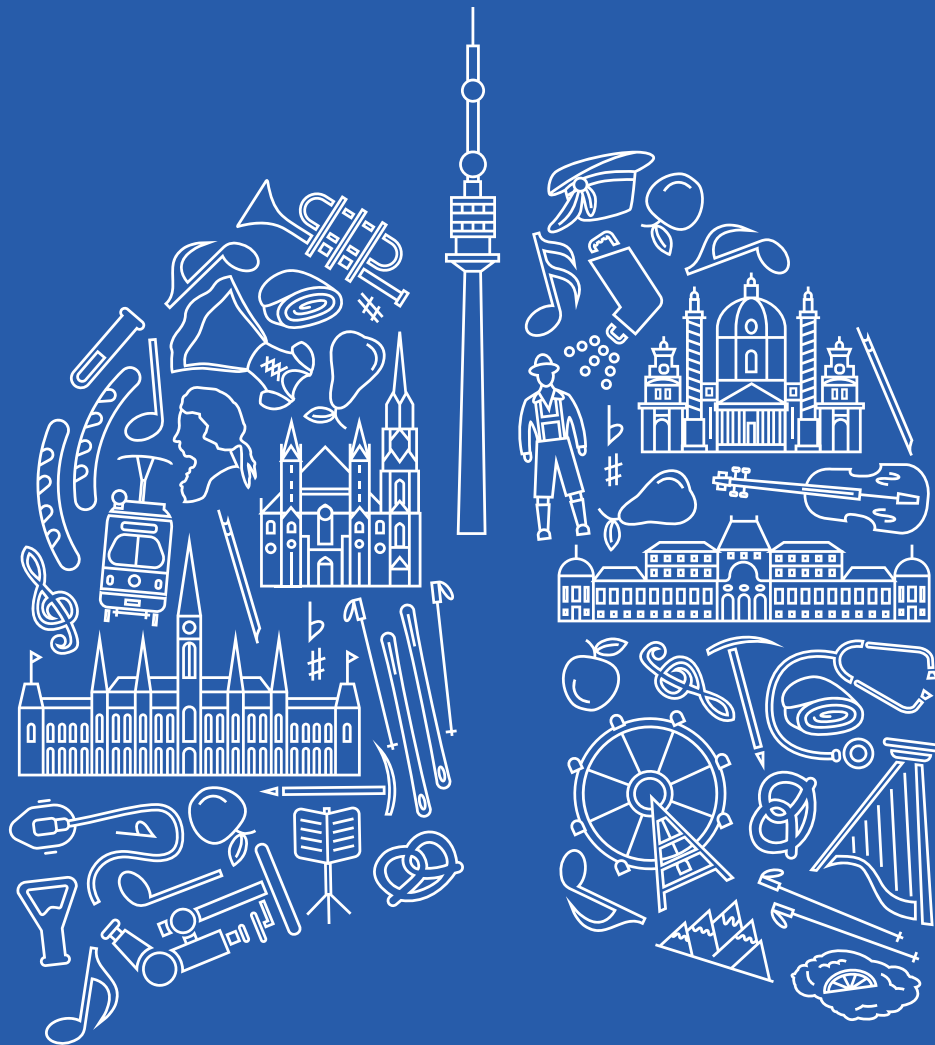
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