

JRC 2017 Program

The 76th Annual Meeting of the Japan Radiological Society

The 73rd Annual Meeting of the Japanese Society of Radiological Technology

The 113th Scientific Meeting of the Japan Society of Medical Physics

The International Technical Exhibition of Medical Imaging 2017

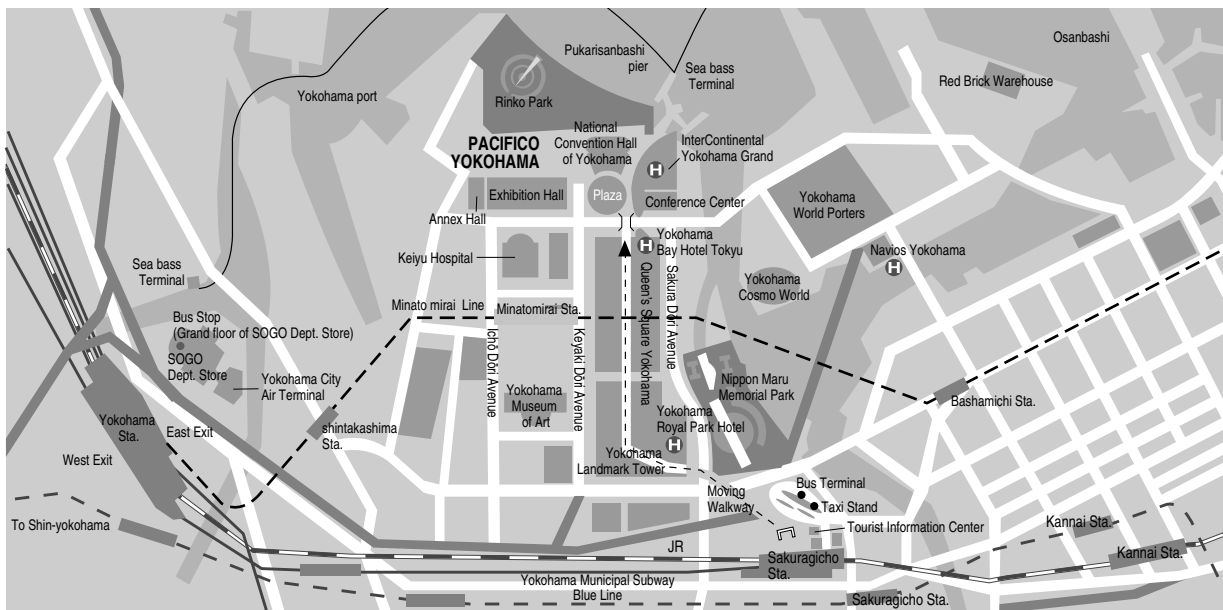
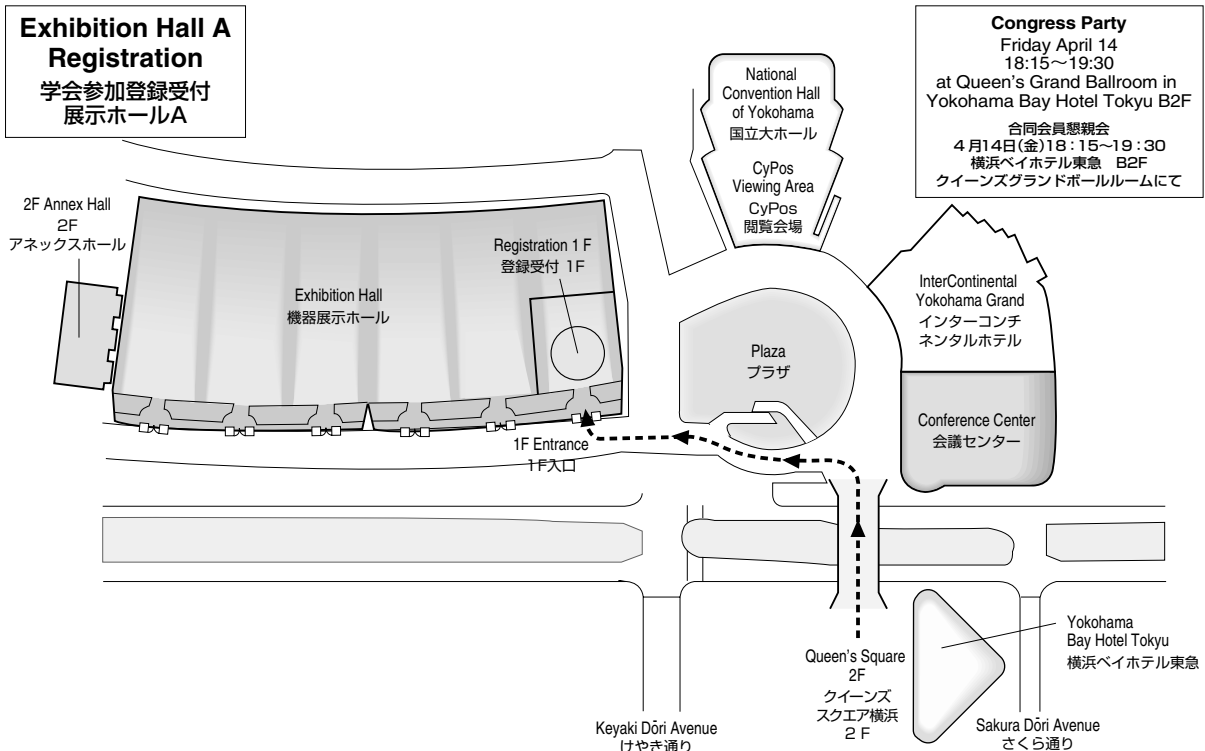
April 13 (Thu) - April 16 (Sun), 2017

PACIFICO YOKOHAMA

Access

Shibuya Sta. 渋谷駅	Tokyu Toyoko Line, 30 min. 【東急東横線（みなとみらい線 乗り入れ）約 30 分（特急）】	Minato Mirai Sta. みなとみらい駅	3 min. on foot. 【徒歩】約 3 分
	Minato Mirai Line, 3 min. 【みなとみらい線】約 3 分		
	10 min. by Bus from Bus stop 14 located at the 1st floor of Sogo Department Store, Yokohama St. Est. Ext. 【バス】約 10 分(東口そごう 1 階 市営・京急バス 14 のりば)		
	7 min. by Taxi. Taxi Stand on B 2F of Porta, Yokohama St. Est. Ext. 【タクシー】約 7 分(東口ポルタ地下 2 階 タクシーのりば)		
Shin-yokohama Sta. 新横浜駅	JR Yokohama Line, 15 min. 【JR 横濱線】約 15 分 Yokohama Subway, 15 min. 【横浜市営地下鉄】約 15 分	Sakuragicho Sta. 桜木町駅	12 min. on foot. 【徒歩】約 12 分 7 min. by Bus from Bus Stop 1. 【バス】約 7 分(市営バス 1 のりば) 5 min. by Taxi. 【タクシー】約 5 分

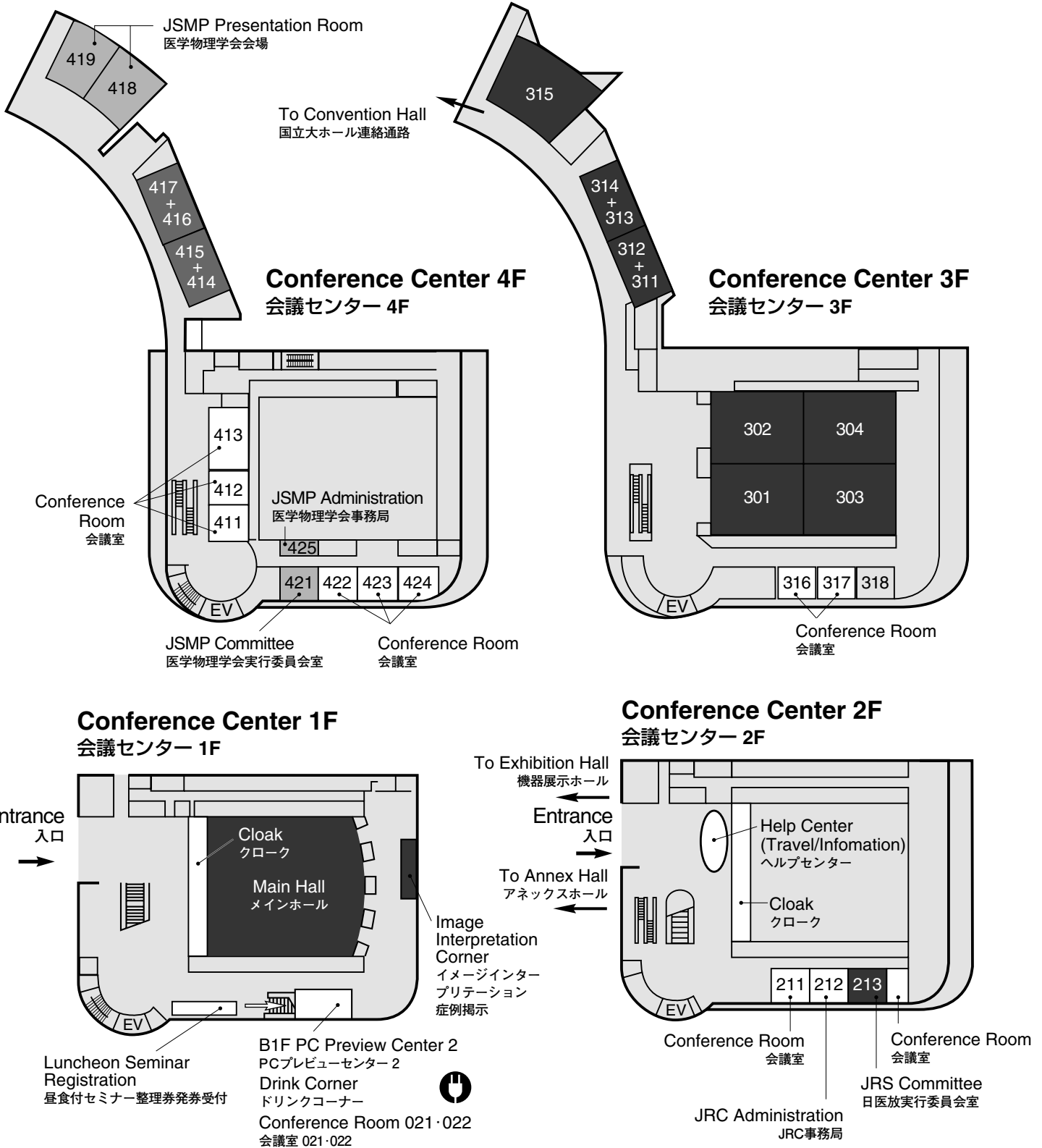
※ Each time required shows approximately.
※上記所要時間は、おおよその目安です。



Venue Map

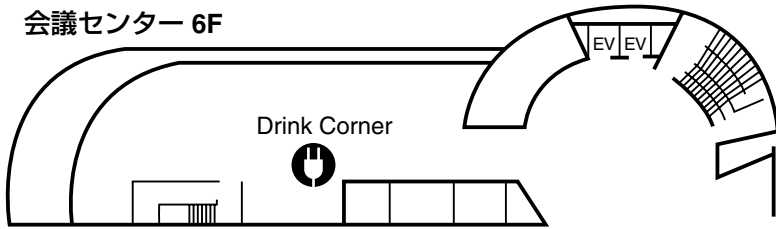
JRS 日医放会場
JSRT 技術学会会場
JSMP 医学物理学学会会場
Common 合同会場

Help Center (Conference Center 2F) ヘルプセンター	045-228-6391
JRS Committee (213) 日医放実行委員会室	045-228-6387
JSRT Committee (514) 技術学会実行委員会室	045-228-6388
JSMP Committee (425) 医学物理学学会実行委員会室	045-228-6389
ITEM Administration 工業会事務局	045-228-6614
JRC Administration (212) JRC 事務局	045-228-6390



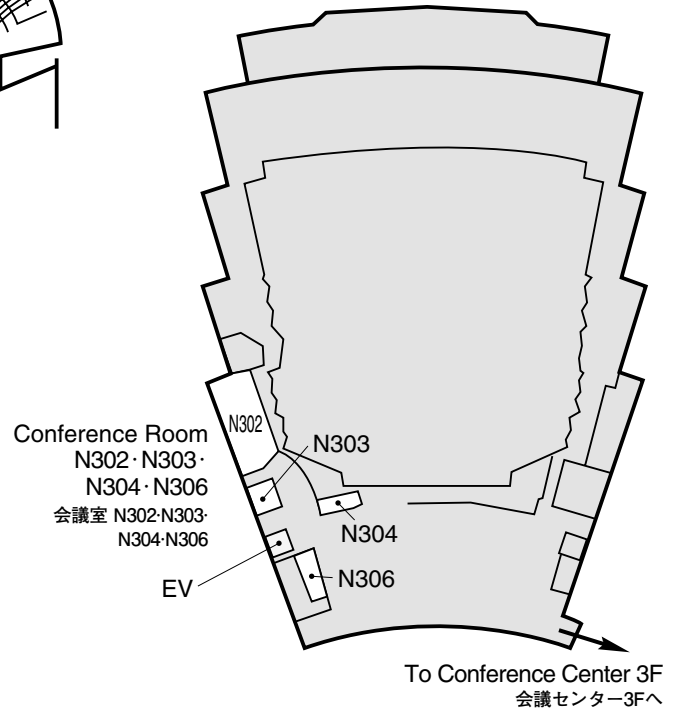
Conference Center 6F

会議センター 6F



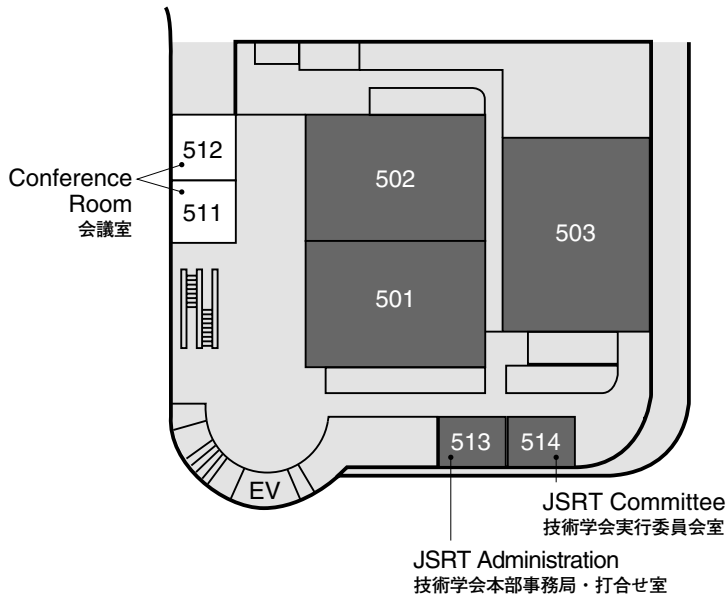
National Convention Hall 3F

国立大ホール 3F



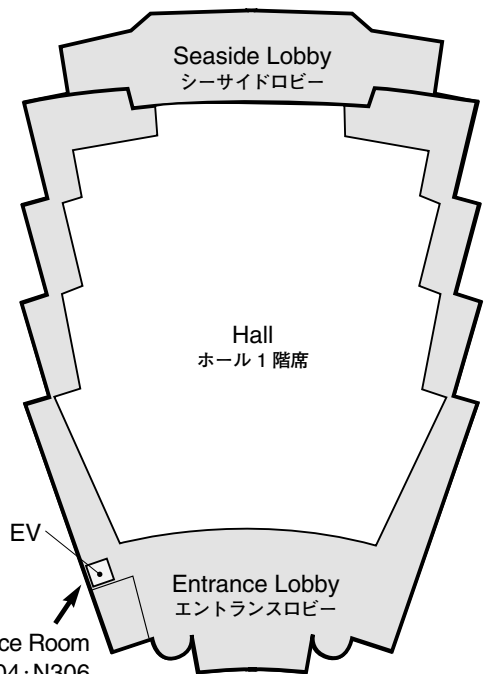
Conference Center 5F

会議センター 5F



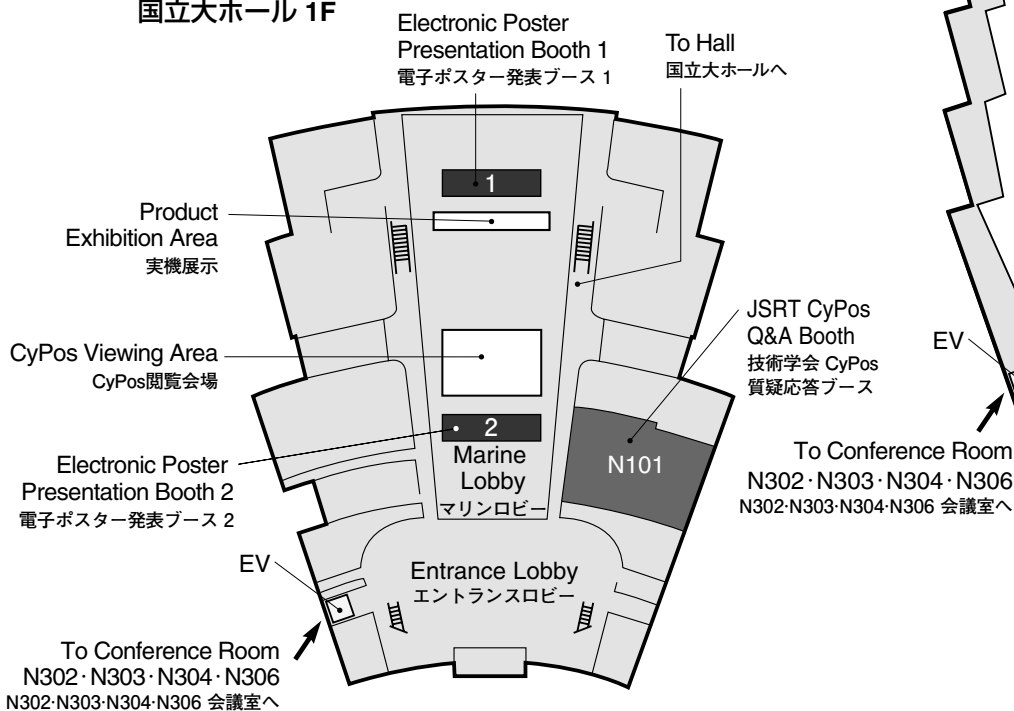
National Convention Hall 2F

国立大ホール 2F

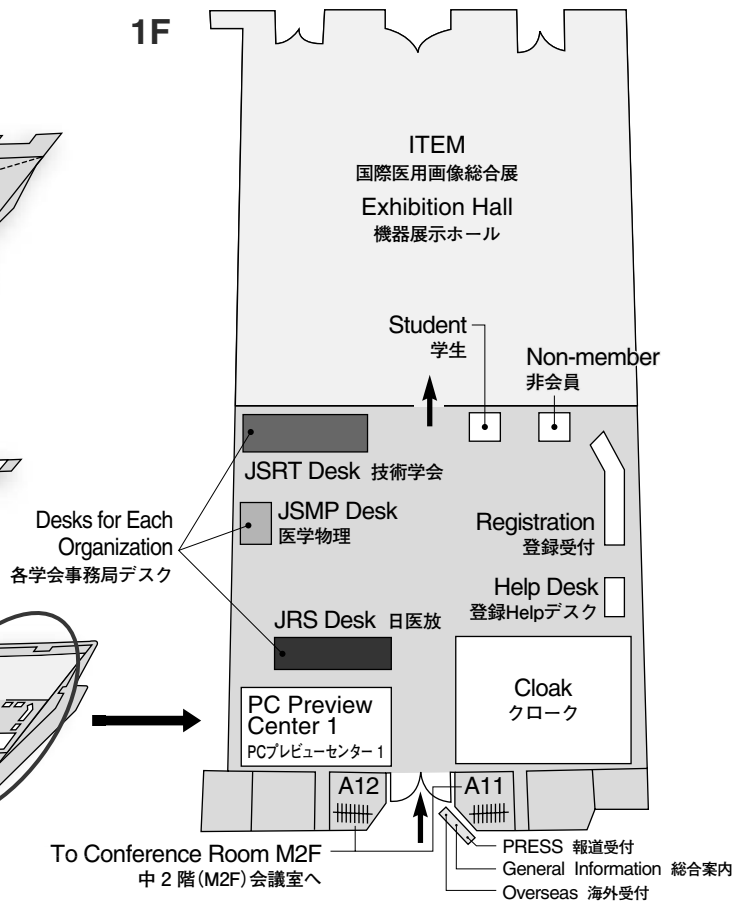
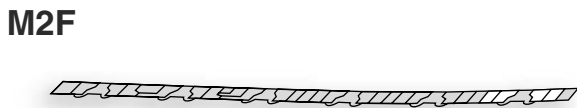
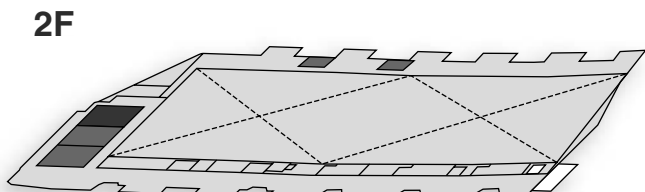
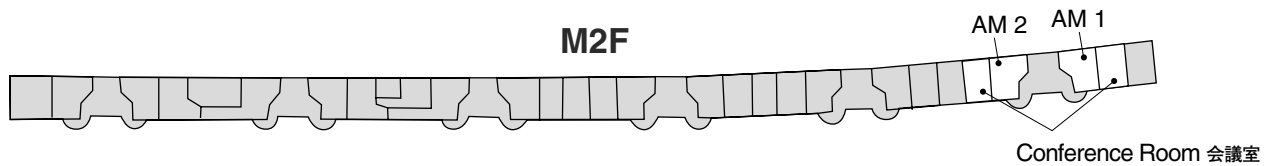
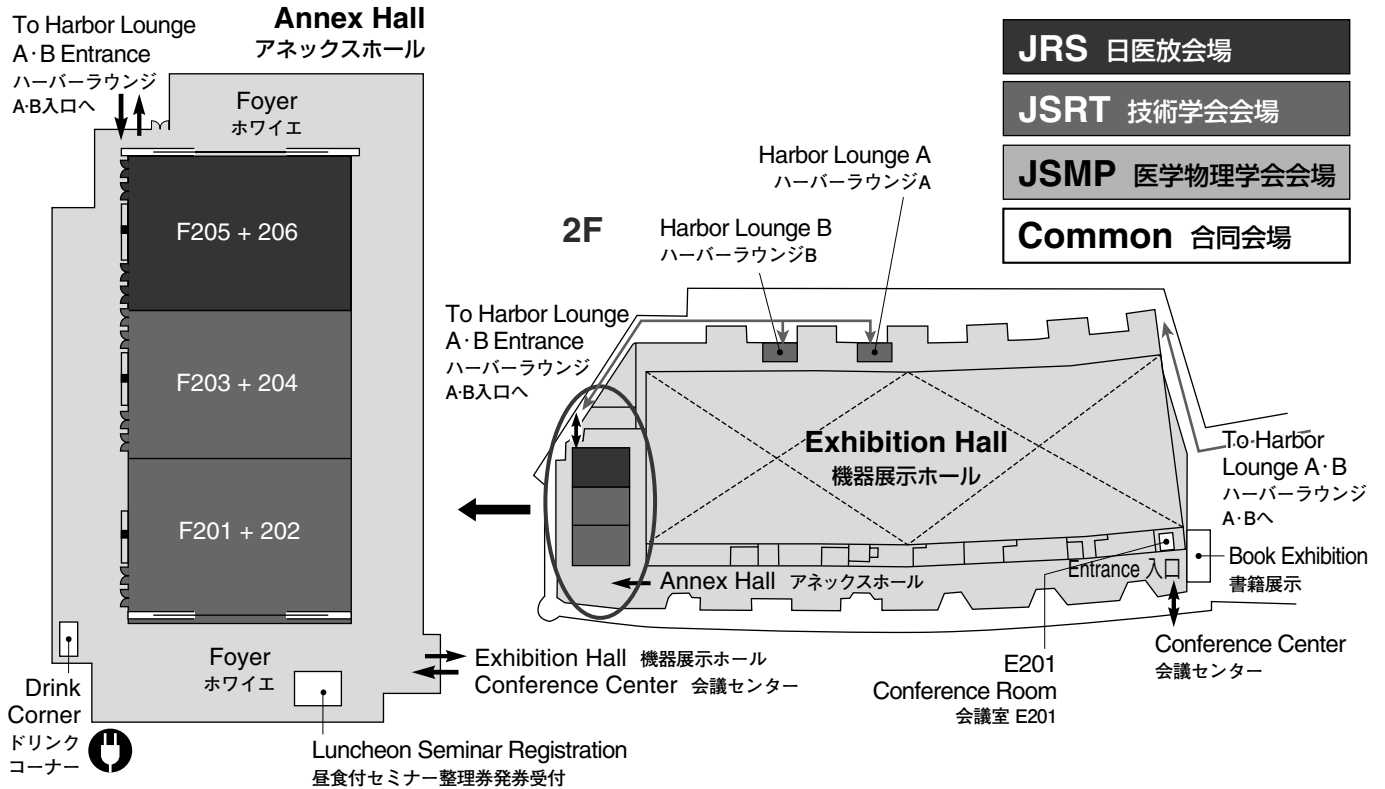


National Convention Hall 1F

国立大ホール 1F



Exhibition Hall







Time Table

April 13 (Thursday)

Venue		8	9	10	11	12	13
National Convention Hall							
Main Hall	1F						
301	3F						
302							
303							
304							
311+312							
313+314							
315							
414+415		4F					
416+417							
418							
419							
421							JSMP Board of Directors
501	5F						
502							
503							
Harbor Lounge A	Annex Hall						
Harbor Lounge B							
F201+202							
F203+204							
F205+206							
N101	National Convention Hall						
Marine Lobby						Electronic Exhibition/Product Exhibition	
Electronic Poster Presentation Booth 1							
Electronic Poster Presentation Booth 2							
Exhibition Hall A~D							





13	14	15	16	17	18	19	20
Representative Assembly							
RSNA Lecture				Introduction of RSNA and ESR			
Special Invited Lecture 1				Special Invited Lecture 2			
1. IR 1		2. IR 2					
3. RT 1		4. Breast 1					
5. NM 1		6. NM 2					
Measurement (Computed Tomography) Radiation Dose Evaluation							
Measurement (Mammography) Radiation Dose Evaluation		Measurement (General Radiography) Radiation Dose Evaluation		Radiation Protection (Multi-modality) Dose Management, Diagnostic Reference Level		Radiation Protection (Multimodality) Eye Lens Exposure	
Radiation Protection (IVR) Dose Management							
Terminal Viewing Room							
Radiation Therapy (photon/electron) 1		Radiation Therapy (photon/electron) 2		Radiation Therapy (photon/electron) 3		Radiation Therapy (photon/electron) 4	
Medical Image and Information							
Radiation Therapy (particle) 1		Radiation Therapy (particle) 2		Nuclear Medicine 1		Nuclear Medicine 2	
Nuclear Medicine 3							
JSMP Board of Directors							
Imaging Techniques and Research (MRI) Brain: Contrast, Motion Correction		Imaging Techniques and Research (MRI) Clinical Safety and Management		Imaging Techniques and Research (MRI) Heart		Imaging Techniques and Research (MRI) MRCP	
Imaging Techniques and Research (MRI) Image Reconstruction		Imaging Techniques and Research (MRI) Musculoskeletal: Extremity, Vessel					
Nuclear Medicine (PET) Cardiovascular Imaging		Nuclear Medicine (PET) Brain Imaging		Nuclear Medicine (Radionuclide Therapy) Radium-223 Therapy		Nuclear Medicine (SPECT, Planar) Dopamine Transporter 1	
Nuclear Medicine (SPECT, Planar) Dopamine Transporter 2		Theme Session Multi-modality					
Imaging Techniques and Research (CT) Radiation Dose		Imaging Techniques and Research (CT) Exposure Control		Imaging Techniques and Research (CT) Iterative Reconstruction: Clinical		Imaging Techniques and Research (CT) Contrast Technique: Optimisation	
Imaging Techniques and Research (CT) Contrast Technique: Detectability		Imaging Techniques and Research (CT) Contrast Technique: Chest					
Radiotherapy 4D CT							
Radiotherapy Treatment planning, Simulation		Radiotherapy IGRT Verification		Radiotherapy Detector		Radiotherapy QA/QC	
Radiotherapy Planning Evaluation							
Imaging Techniques and Research (CT) Cardiac: Contrast Technique		Imaging Techniques and Research (CT) Myocardial Perfusion		Imaging (MRI) Extremity		Imaging (MRI) Brain: Imaging Technique	
Imaging (General Radiography, IVR) Dose Reduction		Imaging (General Radiography, Fluoroscopy) CAD: Radiography		Imaging (Multimodality) CAD: Multi-modality			
Electronic Exhibition/Product Exhibition							

	JRS
	JSRT
	JSMP
	Joint Session

April 14 (Friday)

Venue		8	9	10	11	12	13	
National Convention Hall		Educational Lecture 1	Resident Seminar (Diagnosis) 1					
Main Hall	1F	Educational Lecture 2	Symposium 1		Honorary Lecture 1	Luncheon Seminar 1		
301	3F	Educational Lecture 3	Special Project 1		Special Invited Lecture 3	Luncheon Seminar 2		
302		Educational Lecture 4		Honorary Lecture 2	Honorary Lecture 3	Overseas Lecture 1	Luncheon Seminar 3	
303		Educational Lecture 5	7. Chest 1	8. Chest 2	9. Chest 3		Luncheon Seminar 4	
304		Educational Lecture 6	Overseas Lecture 2	10. Breast 2		11. Liver 1	Luncheon Seminar 5	
311+312		Educational Lecture 7	15. IT·Education	16. NM 3	17. NM 4		Luncheon Seminar 6	
313+314		Educational Lecture 8					Luncheon Seminar 7	
315		Educational Lecture 9	20. Uroradiology 1	21. Uroradiology 2	22. Uroradiology 3		Luncheon Seminar 8	
414+415		4F	Basic Lecture of Radiological Technology 2	EL 2 (Radiation Protection)	44th. Radiation Protection Division			
416+417	Terminal Viewing Room							
418	Morning Educational Lecture 1		Radiation Therapy (photon/electron) 5	Radiation Therapy (photon/electron) 6		Lunch Time Lecture 1		
419			Diagnostic Imaging 1	Diagnostic Imaging 2	Radiation Protection			
501	5F	Basic Lecture of Radiological Technology 1	Imaging Techniques and Research (MRI) Musculoskeletal: MRE, MRS	JSRT-JSMP Joint Symposium		BC 1 (Medical Informatics)		
502		AC 1 (Measurement)	EL 1 (Diagnostic Imaging)	68th. Diagnostic Imaging Division		AC 2 (CT)		
503			Symposium 2		JIRA Workshop	Education Committee Session 1		
Harbor Lounge A	Annex Hall							
Harbor Lounge B								
F201+202		Basic Lecture of Radiological Technology 3	Radiotherapy Dose Management	Radiotherapy Radiological Biology		Expert Lecture 1	BC 2 (Radiotherapy)	
F203+204		English Presentation Support Seminar 1	Imaging (Multi-modality) Breast	Imaging (MRI) Heart	Imaging (MRI) Imaging Processing and Evaluation	Basic Lecture of Diagnostic Imaging by Radiologist 1		
F205+206		Educational Lecture 10	Educational Lecture 11	指導者講習会		Luncheon Seminar 9		
N101	National Convention Hall	Imaging (MRI) Other	Imaging Techniques and Research (MRI) Head and Neck	Imaging Techniques and Research (MRI) Musculoskeletal, Clinical Safety	Imaging Techniques and Research (MRI) Abdomen and Pelvis			
Marine Lobby		7:15 Electronic Exhibition/Product Exhibition						
Electronic Poster Presentation Booth 1			Poster 1 Cardiovascular 1	Poster 2 Cardiovascular 2	Poster 3 RT 1			
Electronic Poster Presentation Booth 2			Poster 7 IR 1	Poster 8 IR 2				
Yokohama Bay Hotel Tokyu						The 2 nd Asia Radiology Summit (B2F Ambassador's Ballroom)		
Exhibition Hall A~D		ITEM2017 Opening Ceremony		ITEM2017				





13	14	15	16	17	18	19	20
			Resident Seminar (Radiation Oncology)				
Opening Ceremony	Joint Special Lecture 1	Honorary Member Award Ceremony	Joint Symposium 1			Joint Special Lecture 2	
		Overseas Lecture 3	Symposium 2				
			Symposium 3		Overseas Lecture 4		
		Overseas Lecture 5	Overseas Lecture 6	Overseas Lecture 7	Overseas Lecture 8		
		12. Liver 2	13. Liver 3	14. Liver 4			
		18. IR 3	19. IR 4				
		23. Cardiovascular 1		24. Cardiovascular 2			
		Clinical Safety and Others	Imaging Techniques and Research (IVR) Evaluation	Imaging Techniques and Research (IVR) Analysis	Imaging Techniques and Research (IVR) Technology		
Terminal Viewing Room							
		Radiation Therapy (photon/electron) 7	Radiation Therapy (photon/electron) 8				
		Radiation Therapy (particle) 3	Radiation Therapy (particle) 4				
		EL 3 (Medical Informatics)	29th. Medical Informatics Division				
		EL 4 (Image Sciences)		81st. Image Sciences Division			
		Expert Lecture 2	Radiation Protection Forum	Radiation Protection (CT) Dose Evaluation			
		Standardization Forum	Imaging Techniques and Research (Other) Tomosynthesis				
		Imaging Techniques and Research (MRI) Head and Neck MRA		Imaging Techniques and Research (MRI) Liver: Contrast Enhancement, MRE			
		Imaging Techniques and Research (CT) Dual-energy: Basic Evaluation	Imaging Techniques and Research (CT) Dual-energy: Clinical 1	Imaging Techniques and Research (CT) Metal Artifact: Evaluation and Reduction Technique			
		Nuclear Medicine (PET, SPECT) Other	Nuclear Medicine (SPECT, Planar) Dopamine Transporter 3				
Electronic Exhibition/Product Exhibition							
		Poster 4 Neuro 1	Poster 5 Neuro 2	Poster 6 RT 2			
		Poster 9 Abdomen 1	Poster 10 Chest 1	Poster 11 Chest 2			
						Reception for All Participants (Congress Party) (B2F Queen's Grand Ballroom)	
ITEM2017							

	JRS
	JSRT
	JSMP
	Joint Session

April 15 (Saturday)

Venue		8	9	10	11	12	13
National Convention Hall		Educational Lecture 12	Resident Seminar (Diagnosis) 2				
Main Hall	1F	Educational Lecture 13	Joint Symposium 2			Luncheon Seminar 10	
301	3F	Educational Lecture 14	Symposium 4			Luncheon Seminar 11	
302		Educational Lecture 15	Overseas Lecture 9	Overseas Lecture 10	Overseas Lecture 11	Luncheon Seminar 12	
303		Educational Lecture 16	Overseas Lecture 12	Overseas Lecture 13	Special Invited Lecture 4	Overseas Lecture 14	Luncheon Seminar 13
304		Educational Lecture 17	30. GI 1	31. GI 2	32. GI 3	Luncheon Seminar 14	
311+312		Educational Lecture 18	37. MSK		38. Abdomen 1	Luncheon Seminar 15	
313+314		Educational Lecture 19				Luncheon Seminar 16	
315		Educational Lecture 20		44. OB/GYN 1	45. OB/GYN 2	Luncheon Seminar 17	
414+415		4F	BC 5 (Measurement)	EL 6 (Measurement)	49th. Measurement Division		BC 6 (Radiation Protection)
416+417	Terminal Viewing Room				Luncheon Seminar 18		
418	Morning Educational Lecture 2		Radiation Therapy (particle) 5	Radiation Therapy (photon/electron) 9	Medical Physics Education	Lunch Time Lecture 2	
419							
501	5F	Basic Lecture of Radiological Technology 4	Nuclear Medicine (SPECT, Planar) Instrument	Nuclear Medicine (SPECT, Planar) Brain and Cardiac Imaging	Nuclear Medicine (SPECT, Planar) Multi-focus Fan Beam Collimator, Semiconductor Detector	Nuclear Medicine (SPECT, Planar) Quantitative Analysis	AC 3 (Nuclear Medicine)
502		BC 3 (MR)	EL 5 (Diagnostic Imaging)	68th. Diagnostic Imaging Division		AC 4 (Medical Informatics)	
503		BC 4 (Image Sciences)	Executive Committee Session Symposium			Segi Award Winner's Lecture	Education Committee Session 2
Harbor Lounge A	Annex Hall						
Harbor Lounge B							
F201+202		English Presentation Support Seminar 2	Imaging (CT) Image Processing	Imaging (CT) Image Analysis 1	Imaging (CT) Image Analysis 2	Imaging (CT) Iterative Reconstruction: Image Evaluation	Basic Lecture of Radiological Technology 5
F203+204			Radiotherapy Irradiation Technique	Radiotherapy Measurement	Radiotherapy 4D Planning, Moving Object Tracking	Radiotherapy Irradiation Position, Setup Error	Basic Lecture of Diagnostic Imaging by Radiologist 2
F205+206		Educational Lecture 21	Educational Lecture 22	Educational Lecture 23	Luncheon Seminar 19		
N101	National Convention Hall	Imaging (General Radiography) Image Evaluation, etc	Imaging (Multi-modality) System Evaluation, etc				
Marine Lobby		7:15 Electronic Exhibition/Product Exhibition			Product Exhibition Core Time	Electronic Exhibition/	
Electronic Poster Presentation Booth 1			Poster 12 RT 3	Poster 13 RT 4	Poster 14 RT 5		
Electronic Poster Presentation Booth 2			Poster 19 Urology and gynecology		Poster 20 Breast 1	Poster 21 Breast 2	
Exhibition Hall A~D		ITEM2017					





13		14		15		16		17		18		19		20	
Symposium 5				Imaging Techniques and Research (CT) Ultra High-resolution CT		Imaging Techniques and Research (CT) Colonography									
Joint Symposium 3								Image Interpretation Session							
Symposium 6				Overseas Lecture 15		Special Invited Lecture 5									
Symposium 7				Overseas Lecture 16		25. Head and Neck 1									
26. Chest 4		27. Chest 5		28. Pediatric 1		29. Pediatric 2									
33. GI 4		34. GI 5		35. RT 2		36. RT 3									
				39. Emergency and others		40. Ai									
41. IR 5		42. IR 6		43. IR 7											
46. Neuro 1		47. Neuro 2		48. Neuro 3		49. Technology									
Imaging (Multi-modality) Visual Evaluation, etc		Imaging (General Radiography) Scattered Radiation Correction Processing		Medical Information System Development		Medical Information Operations Analysis, Education, Others									
Terminal Viewing Room															
				Magnetic Resonance 1		Magnetic Resonance 2		Magnetic Resonance 3							
Information Exchange Meeting on Medicine Physics Education Course								JSMP General Meeting of Members							
EL 7 (Nuclear Medicine)		74th. Nuclear Medicine Division				Nuclear Medicine (SPECT, Planar) Image Processing									
Imaging Techniques and Research (MRI) Cardiovascular, Large Vessel		Imaging Techniques and Research (MRI) Head and Neck		Symposium 1											
Imaging Techniques and Research (General Radiography) Image Processing, Other		Imaging Techniques and Research (General Radiography) Scattered Radiation Processing		JSRT-JSMP Joint Session Plenary Lecture 1		Regular General Meeting									
				Device Development and Others		Radiation Safety Management Forum									
Patient Safety Forum		Imaging (General Radiography, IVR) Image Evaluation		Imaging (MRI) Spine		Imaging (MRI) Brain Function		Imaging (MRI) Head and Neck MRA							
Education Committee Session Symposium				Imaging Techniques and Research (MRI) Genitourinary		Imaging Techniques and Research (MRI) Basic Technique and Technology									
Educational Lecture 24		Educational Lecture 25		Educational Lecture 26											
Imaging Techniques and Research (CT) CyPos 2		Imaging Techniques and Research (CT) CyPos 2		Imaging Techniques and Research (IVR) IVR											
/Product Exhibition		Product Exhibition Core Time		Electronic Exhibition/Product Exhibition											
Poster 15 NM 1		Poster 16 NM 2		Poster 17 MSA and others		Poster 18 RI therapy and others									
				Poster 22 GI											
ITEM2017															

	JRS
	JSRT
	JSMP
	Joint Session

April 16 (Sunday)

Venue		8		9		10		11		12		13	
National Convention Hall		AC 6 (Radiotherapy)		EL 9 (Radiotherapy)		74th. Radiotherapy Division							
Main Hall	1F	Educational Lecture 27		Overseas Lecture 17		Symposium 8				Luncheon Seminar 20			
301	3F	Educational Lecture 28		Overseas Lecture 18		Symposium 9 Broadcast: 302				Luncheon Seminar 21			
302		Educational Lecture 29		Overseas Lecture 19						Luncheon Seminar 22			
303		Educational Lecture 30		Overseas Lecture 20		Special Project 2				Luncheon Seminar 23			
304		Educational Lecture 31				50. RT4		51. RT 5		Luncheon Seminar 24			
311+312		Educational Lecture 32				53. NM 5		54. NM 6		Luncheon Seminar 25			
313+314		Educational Lecture 33		57. Head and neck 2		58. Neuro 4		59. Abdomen 2		Luncheon Seminar 26			
315		Educational Lecture 34		61. IR 8				62. IR 9					
414+415		4F	Basic Lecture of Radiological Technology 6		Measurement (Lens Dose&Dosimeter) Radiation Dose Evaluation		Measurement (Hazard) Radiation Dose Evaluation		Measurement (IVR) Radiation Dose Evaluation		Next Generation Session		RPT Doi Awards Ceremony and Winner's Lectures
416+417	Terminal Viewing Room												
418	Morning Educational Lecture 3		Brachytherapy		Radiation Measurement 1				Lunch Time Lecture 3				
419			Radiation Therapy (particle) 6		Radiation Therapy (particle) 7		JSMP-JSMBE Joint Session						
501	5F	AC 5 (Image Sciences)		Imaging (MRI) Chest and Abdomen		Imaging (Multi-modality) Image Analysis		Imaging (CT) Dual-energy: Clinical 2		Basic Lecture of Radiological Technology 7			
502		BC 7 (US)		EL 8 (Diagnostic Imaging)		68th. Diagnostic Imaging Division				AC 7 (Radiation Protection)			
503				Symposium 3		JSRT-JSMP Joint Session Plenary Lecture 2 ★				Basic Lecture of Diagnostic Imaging by Radiologist 3			
Harbor Lounge A	Annex Hall												
Harbor Lounge B													
F201+202		English Presentation Support Seminar 3		Imaging Techniques and Research (CT) Basic Evaluation		Imaging Techniques and Research (CT) Clinical Technique		Imaging Techniques and Research (MRI) Myocardium: Relaxation Time Measurement		BC 8 (Nuclear Medicine)			
F203+204				Nuclear Medicine (SPECT, Planar) In-111, GSA Imaging		Nuclear Medicine (PET) Image Processing		Nuclear Medicine (PET) Image Evaluation 1		Nuclear Medicine (PET) Image Evaluation 2			
F205+206		Educational Lecture 35		Educational Lecture 36		Educational Lecture 37				Luncheon Seminar 27			
N101		National Convention Hall											
Marine Lobby	7:15 Electronic Exhibition/Product Exhibition												
Electronic Poster Presentation Booth 1			Poster 23 Pediatric / Whole Body / Emergency radiology		Poster 24 IT and others		Poster 25 MSK						
Electronic Poster Presentation Booth 2			Poster 26 RT 6				Poster 27 Liver 1		Poster 28 Liver 2				
Exhibition Hall A~D	ITEM2017												

13	14	15	16	17	18	19	20
Educational Lecture 38							
		Closing and Awards Ceremony					
指導者講習会							
Special Project 3							
52. RT 6							
55. NM 7		56. NM 8					
60. Abdomen 3							
63. IR 10		64. IR 11					
Terminal Viewing Room							
Radiation Measurement 2		Radiation Measurement 3					
Radiation Therapy (particle) 8		Session for students					
Imaging (CT) Brain and Pancreas Perfusion		Imaging Techniques and Research (CT) Cardiac: Clinical					
Imaging Techniques and Research (General Radiography) Breast		Imaging Techniques and Research (General Radiography, Dual-energy X-ray Absorption) Bone, Other					
Theme Session Head and Neck							
Imaging Techniques and Research (MRI) Liver		Imaging Techniques and Research (MRI) Brain Function					
Radiotherapy Treatment Planning		Radiotherapy Particle Beam					
JCR Hour 2017							
Electronic Exhibition/Product Exhibition							
ITEM2017							

	JRS
	JSRT
	JSMP
	Joint Session

I. Joint Sessions for Japan Radiology Congress

Opening Ceremony

- Opening Ceremony : April 14 (Fri.) 13:00–14:30 (Main Hall)

Performance: Ensemble Dunamiz

Keynote lecture

President:	Masumi Kadoya (Shinshu University) The 76th Annual Meeting of the Japan Radiological Society (JRS)
Conference President:	Tosiaki Miyati (Kanazawa University) The 73rd Annual Meeting of the Japanese Society of Radiological Technology (JSRT)
Congress Chair:	Koji Noda (QST/NIRS) The 113th Scientific Meeting of the Japan Society of Medical Physics (JSMP)
Chairman:	Kenichi Komatsu Japan Medical Imaging and Radiological Systems Industries Association (JIRA)

Joint Special Lecture

- Joint Special Lecture 1 : April 14 (Fri.) 14:00–14:30 (Main Hall)

Hidetoshi Nakata's Special Talk

Moderator: Masumi Kadoya (Shinshu Univ.)

Hidetoshi Nakata (A former Japanese professional footballer)

- Joint Special Lecture 2 : April 14 (Fri.) 17:20–17:50 (Main Hall)

Prospect of Medicine with Quantum Science and Technology

Moderator: Koji Noda (QST/NIRS)

Toshio Hirano (QST)

Joint Symposium

- Joint Symposium 1 : April 14 (Fri.) 15:10–17:10 (Main Hall)

「What Should We Do for Reaching the Summit and the Horizon of Radiology?」

Moderator: Kuni Ohtomo (International Univ. of Health and Welfare)

Hiroshi Hirano (Marunouchi Hosp.)

1. To the Summit of Radiology, to the Horizon of Radiology: From the Point of View of Diagnostic Radiology
Shigeki Aoki (Juntendo Univ.)
2. Interventional Radiology, Desirable Now and Future
Susumu Kanazawa (Okayama Univ.)
3. The Point of View from Radiation Oncologists
Naoyuki Shigematsu (Keio Univ.)
4. Considering Collaborative Education: Medical Radiation Exposure
Yasuo Okuda (NIRS)
5. What Medical Physics Promotes in Radiology
Toru Yamamoto (Hokkaido Univ.)

- Joint Symposium 2 : April 15 (Sat.) 9:40–11:50 (Main Hall)

「International Standards and Protocols for Radiology」

Moderator: Takahiro Yamada (Kindai Univ.)

Shigekazu Fukuda (QST/NIRS)

1. International Electrotechnical Commission (IEC) Standards for Light Ion Beam Medical Electrical (ME) Equipment
Michael Moyers (Shanghai Proton and Heavy Ion Center, Shanghai, China)
2. IEC/TR 62926 for Radiotherapy Systems for Moving Targets
Yuichi Hirata (Hokkaido Univ.)
3. International Standards for Nuclear Medicine and Molecular Imaging
Hiroshi Watabe (Tohoku Univ.)
4. International Standards and Protocols of Dosimetry for Radiology with Activities of ISO/TC85/SC2/WG22
Changbum Kim (Korea University, Korea)
5. Current Status and Update of the IAEA Code of Practice for External Beam Radiotherapy Dosimetry
Karen Christaki (IAEA, Austria)

· Joint Symposium 3 : April 15 (Sat.) 13:00–15:00 (Main Hall)

〔Current Status and Issues of Radiological Protection in Pediatric Radiology〕

Moderator: Michiaki Kai (Oita University of Nursing and Health Sciences)

Yoshiya Shimada (QST/NIRS)

1. Progress in Radiation Protection of Children in Large Part of the World and Issues for Future
Madan M. Rehani (Massachusetts General Hospital, USA)
2. Present Situation of Pediatric CT in Japan
Osamu Miyazaki (National Center for Child Health and Development)
3. Skills to Reduce Radiation Dose in Pediatric Orthopedic Imaging
Atsushi Fukuda (Shiga Medical Center for Children)
4. Revealed of the Facts by Japan DRLs 2015 for Pediatric CT Yasutaka Takei (Hamamatsu University Hosp.)

Reception for All Participants (Congress Party)

· Reception for All Participants (Congress Party) : April 14 (Fri.) 18:15–19:30

(Yokohama Bay Hotel Tokyu B2F Queen's Grand Ballroom)

Closing and Awards Ceremony

· Closing and Awards Ceremony : April 16 (Sun.) 15:00–16:15 (Main Hall)

II. JRS Activities

Honorary Member Award Ceremony

- Honorary Member Award Ceremony : April 14 (Fri.) 14:30–15:00 (Main Hall)

Moderator: Hiroshi Honda (Kyushu Univ.)

Masumi Kadoya (Shinshu Univ.)

Robert J. Herfkens (Stanford University School of Medicine, USA)

Jae Hoon Lim (Myungji Hospital Seonam University Medical School, Korea)

Nicholas Gourtsoyiannis (Emeritus of the University of Crete, Greece)

Honorary Lecture

- Honorary Lecture 1 : April 14 (Fri.) 11:20–11:50 (Main Hall)

Moderator: Sachio Kuribayashi (HIMEDIC Imaging Center at Lake Yamanaka)

Magnetic Resonance Imaging of Flow from Beginning to the Future: A Historical Perspective

Robert J. Herfkens (Stanford University School of Medicine, USA)

- Honorary Lecture 2 : April 14 (Fri.) 10:00–10:30 (302)

Moderator: Hiromu Mori (Oita Univ.)

Striving for Radiology Education in Europe: The European School of Radiology

Nicholas Gourtsoyiannis (Emeritus of the University of Crete, Greece)

- Honorary Lecture 3 : April 14 (Fri.) 10:40–11:10 (302)

Moderator: Osamu Matsui (Kanazawa Univ.)

Morphology of Choangiocarcinoma Jae Hoon Lim (Myungji Hospital Seonam University Medical School, Korea)

Special Project

- Special Project 1 : April 14 (Fri.) 9:10–11:10 (301)

〔Special Project for QIBA (Quantitative Imaging Biomarker Alliance)〕

Moderator: Tomio Inoue (Yokohama City Univ.)

Shigeki Aoki (Juntendo Univ.)

1. Current Status and Future Direction of RSNA/ QIBA for Chest CT Yoshiharu Ohno (Kobe Univ.)

2. Recent Topics in RSNA/QIBA: MRI Utaroh Motosugi (Univ. of Yamanashi)

3. RSNA/QIBA: Nuclear Medicine Ukihide Tateishi (Tokyo Medical and Dental Univ.)

4. Proposal for the Way of Industry-university Alliance in Japan Takashi Ichihara (Fujita Health Univ.)

- Special Project 2 : April 16 (Sun.) 9:50–11:50 (303)

〔Research and Training Abroad: Suggestions and Advices from US-based Japanese Radiologists〕

Moderator: Shigeru Ehara (Iwate Medical Univ.)

Hiroyuki Abe (University of Chicago, USA)

Satomi Kawamoto (Johns Hopkins, USA)

Osamu Sakai (Boston University, USA)

Yutaka Sato (University of Iowa, USA)

Naoki Takahashi (Mayo Clinic, USA)

Hiroshi Yoshioka (University of California, Irvine, USA)

· Special Project 3 : April 16 (Sun.) 13:00–14:30 (302)

[Diagnostic Imaging Guideline 2016: Summary of the Renewed Contents and Future Direction]

Moderator: Sadayuki Murayama (Univ. of the Ryukyus)

1. Overview and Points of Revision for Japan Radiological Society Imaging Guideline
Masahiro Okada (Univ. of the Ryukyus)
2. Revised Points in Gynecology in the Japanese Imaging Guideline 2016
Yumiko Oishi Tanaka (The Cancer Institute Hosp.)
3. Revised and Updated Points in JRS/JCR Imaging Guideline 2016: Gastrointestinal Disorders
Kengo Yoshimitsu (Fukuoka Univ.)
4. Revision Point of Pediatric Diagnostic Imaging
Noriko Aida (Kanagawa Children's Medical Center)
5. Revised Points of Nuclear Medicine Field
Ukihide Tateishi (Tokyo Medical and Dental Univ.)
6. Future Direction of Clinical Practice Guideline
Masako Kataoka (Kyoto University Hosp.)

Special Invited Lecture

· Special Invited Lecture 1 : April 13 (Thu.) 16:40–17:10 (302)

Moderator: Shinji Naganawa (Nagoya Univ.)

How to Get Accepted Your Scientific Paper

Maximilian F. Reiser (Department of Clinical Radiology, Ludwig- Maximilians- University, Munich, Germany)

· Special Invited Lecture 2 : April 13 (Thu.) 17:10–17:40 (302)

Moderator: Yasuyuki Yamashita (Kumamoto Univ.)

My Best Abdominal Imaging Cases with Pathologic Correlation

Pablo R. Ros (University Hospitals Cleveland Medical Center, Case Western Reserve University, USA)

· Special Invited Lecture 3 : April 14 (Fri.) 11:20–11:50 (301)

Moderator: Kengo Yoshimitsu (Fukuoka Univ.)

The History of Liver Imaging: What Have We Learned?

Richard L. Baron (University of Chicago, USA)

· Special Invited Lecture 4 : April 15 (Sat.) 10:30–11:00 (303)

Moderator: Kazuro Sugimura (Kobe Univ.)

MRI of Prostate Cancer

Bernd Hamm (Charité, University Hospital, Germany)

· Special Invited Lecture 5 : April 15 (Sat.) 15:50–16:20 (301)

Moderator: Takamichi Murakami (Kindai Univ.)

CT and MR Liver Imaging: Now and Beyond?

Richard L. Baron (University of Chicago, USA)

RSNA Lecture

· RSNA Lecture : April 13 (Thu.) 16:40–17:10 (301)

Moderator: Hiroshi Honda (Kyushu Univ.)

Innovations in Education

James P. Borgstede (University of Colorado, Denver, USA)

Introduction of RSNA and ESR

· Introduction of RSNA and ESR : April 13 (Thu.) 17:10–17:40 (301)

Moderator: Hiroshi Honda (Kyushu Univ.)

James P. Borgsted (University of Colorado, Denver, USA)

Bernd Hamm (Charité, University Hospital, Germany)

Overseas Lecture

- Overseas Lecture 1 : April 14 (Fri.) 11:20–11:50 (302)
Moderator: Kazuo Awai (Hiroshima Univ.)
Publication Ethics: *AJR* Communication and Management Processes for Author Misconduct Issues
Thomas H. Bequist (Mayo Clinic College of Medicine, USA)
- Overseas Lecture 2 : April 14 (Fri.) 9:10–9:40 (304)
Moderator: Ichiro Isomoto (St. Francis Hospital)
Abbreviated MRI and Accelerated MRI of the Breast
Hiroyuki Abe (The University of Chicago, USA)
- Overseas Lecture 3 : April 14 (Fri.) 15:10–15:40 (301)
Moderator: Nagara Tamaki (Hokkaido Univ.)
Oncologic Evaluation by Nuclear Medicine and Clinical Application for Therapeutic Strategy
Homer A. Macapinlac (University of Texas, M.D. Anderson Cancer Center, USA)
- Overseas Lecture 4 : April 14 (Fri.) 17:20–17:50 (302)
Moderator: Ryohei Kuwatsuru (Juntendo University Hosp.)
Benign Pancreatic Lesions Mimicking Neoplasm
Satomi Kawamoto (Johns Hopkins, USA)
- Overseas Lecture 5 : April 14 (Fri.) 15:10–15:40 (303)
Moderator: Yutaka Imai (Tokai Univ.)
Managing Radiological Examinations Dose Management and Beyond
Elmar Kotter (Vice Chairman of the Department of Radiology and Associate Professor of Radiology at Freiburg University, Germany)
- Overseas Lecture 6 : April 14 (Fri.) 15:50–16:20 (303)
Moderator: Yukunori Korogi (Univ. of Occupational and Environmental Health)
Neuroradiology: Trends Today and Tomorrow
Mauricio Castillo (School of Medicine, University of North Carolina at Chapel Hill, USA)
- Overseas Lecture 7 : April 14 (Fri.) 16:30–17:00 (303)
Moderator: Yukio Miki (Osaka City Univ.)
Multimodal MRI Evaluation of Brain Tumors
Jean-François Meder (Sainte-Anne Hospital – Paris Descartes University, France)
- Overseas Lecture 8 : April 14 (Fri.) 17:10–17:40 (303)
Moderator: Osamu Abe (The Univ. of Tokyo)
Cerebral Hemodynamics and Ischemic Stroke
Colin Derdeyn (University of Iowa Hospitals & Clinics, USA)
- Overseas Lecture 9 : April 15 (Sat.) 9:10–9:40 (302)
Moderator: Jongmin John Lee (Kyungpook National Univ., Korea)
Recent Development in CT of the Aorta: Dual Energy and Wide Detector
William P. Shuman (University of Washington, School of Medicine, USA)

- Overseas Lecture 10 : April 15 (Sat.) 9:50–10:20 (302)

Moderator: Yasuaki Arai (National Cancer Center Hosp.)

Digestive Aneurysms and False Aneurysms Embolizations. A Twelve Years Experience. (180 cases)

Dennis Krause (Department of Radiological Diagnosis and Therapeutic Imaging University Hospital - Dijon - FRANCE)
- Overseas Lecture 11 : April 15 (Sat.) 10:30–11:00 (302)

Moderator: Shozo Hirota (Hyogo College of Medicine)

Rationale for Interventional Treatments in liver metastases of Colorectal cancer

Ralf-Thorsten Hoffmann (Universitätsklinikum Carl Gustav Carus an der Technischen Universität Dresden, Germany)
- Overseas Lecture 12 : April 15 (Sat.) 9:10–9:40 (303)

Moderator: Yasuo Nakajima (St. Marianna Univ. School of Medicine)

Auditing Ugandan Referral Hospitals to Improve Breast Ultrasound Use in a Low-income Country

John Scheel (University of Washington, Seattle, WA, USA)
- Overseas Lecture 13 : April 15 (Sat.) 9:50–10:20 (303)

Moderator: Kaori Togashi (Kyoto Univ.)

Problems in Early Pregnancy "Ectopic Pregnancy and Gestational Trophoblastic Disease

Sung Il Jung (Konkuk University School of Medicine, Seoul, Korea)
- Overseas Lecture 14 : April 15 (Sat.) 11:10–11:40 (303)

Moderator: Seung Hyup Kim (Seoul National University Hosp., Korea)

Quantitative Imaging, Radionics and Machine Learning in Renal Tumor Imaging

Naoki Takahashi (Mayo Clinic, USA)
- Overseas Lecture 15 : April 15 (Sat.) 15:10–15:40 (301)

Moderator: Katsuyoshi Ito (Kawasaki Medical School)

HCC Microvascular Invasion Assessed by Imaging: Can It Be Predicted?

Antonio Rotondo (The Second University of Naples, Italy)
- Overseas Lecture 16 : April 15 (Sat.) 15:10–15:40 (302)

Moderator: Hisao Tonami (Kanazawa Medical Univ.)

Imaging of Penetrating Neck Injuries: Current Practice at a Level I Trauma Center (in the United States)

Osamu Sakai (Boston University School of Medicine, USA)
- Overseas Lecture 17 : April 16 (Sun.) 9:10–9:40 (Main Hall)

Moderator: Masataka Uetani (Nagasaki Univ.)

Advanced MR Imaging of the Wrist

Hiroshi Yoshioka (University of California, Irvine, USA)
- Overseas Lecture 18 : April 16 (Sun.) 9:10–9:40 (301)

Moderator: Kei Yamada (Kyoto Prefectural Univ. of Medicine)

Pediatric Brain Tumor: Imaging in an Era of Molecular Tumor Classification

Yutaka Sato (Radiology Department, University of Iowa, USA)

· Overseas Lecture 19 : April 16 (Sun.) 9:10–9:40 (302)

Moderator: Noriyuki Tomiyama (Osaka Univ.)

Advances of Knowledge in Lung Adenocarcinoma: Reflection on Lung Cancer Staging

Hyun-Ju Lee (Department of Radiology, Seoul National University Hospital, Seoul, Korea)

· Overseas Lecture 20 : April 16 (Sun.) 9:10–9:40 (303)

Moderator: Toshihide Ogawa (Tottori Univ.)

The Meaning of Evolution for Radiology and Medicine by Turkish Society of Radiology

Tamer Kaya (President, Turkish Society of Radiology, Turkey)

The 2nd Asia Radiology Summit

· The 2nd Asia Radiology Summit : April 14 (Fri.) 10:00–12:00

(“Ambassador’s Ballroom” Yokohama Bay Hotel Tokyu 2nd Basement Floor)

Moderator: Noriyuki Tomiyama (Osaka Univ.)

Kei Yamada (Kyoto Prefectural Univ. of Medicine)

Symposium

· Symposium 1 : April 14 (Fri.) 9:10–11:10 (Main Hall)

〔New Disease Concepts Every Radiologist Should Know〕

Moderator: Manabu Minami (Univ. of Tsukuba)

Taro Shimono (Osaka City Univ.)

1. What Should Radiologists Know About the 2016 WHO Classification of CNS Tumors?

Tomohiko Masumoto (Univ of Tsukuba)

2. New Disease Concepts of Interstitial Pneumonia

Hirimitsu Sumikawa (Osaka Medical Center for Cancer and Cardiovascular Diseases)

3. Tumors of the Bile and Pancreatic Duct; Recent Knowledge and Newly Established Tumor Entities

Shigeki Arizono (Kyoto University Graduate School of Medicine)

4. Bone and Soft Tissue

Takatoshi Aoki (Univ of Occupational and Environmental Health)

· Symposium 2 : April 14 (Fri.) 15:40–17:40 (301)

〔Oncological Evaluation by Nuclear Medicine and Clinical Applications for Therapeutic Strategy 〕

Moderator: Nagara Tamaki (Hokkaido Univ.)

Ukihide Tateishi (Tokyo Medical and Dental Univ.)

1. Diagnosis of Brain Tumors Using System A Amino Acid Transport PET Imaging with C-11-MeAIB

Ryuichi Nishii (QST/NIRS)

2. From the Evaluation of Tumor Hypoxia to the New Therapeutic Strategies with FMISO-PET

Shozo Okamoto (Hokkaido University Hosp.)

3. Current Clinical Status of 18F-FLT PET or PET/CT in Oncology

Masatoyo Nakajo (Kagoshima Univ.)

4. Dedicated Breast PET and Its Clinical Roles in Breast Cancer Diagnosis: Current Evidence and Future Directions

Kanae Miyake (Rakuwakai Otowa Hosp.)

5. Application of Cu-62/64 ATSM PET for the Treatment of Glioma

Tomohiro Kaneta (Yokohama City Univ.)

· Symposium 3 : April 14 (Fri.) 15:10–17:10 (302)

〔Diagnosis of IgG4-related Diseases〕

Moderator: Shigeyuki Kawa (Shinshu Univ.)

Hiroyuki Irie (Saga Univ.)

1. Imaging Findings of IgG4-related Disease in the Head, Neck, and Brain

Masaki Katsura (University of Tokyo Hosp.)

2. Intrathoracic IgG4-related Lesions

Ryoko Egashira (Saga Univ.)

3. IgG4-related Disease in Upper Abdomen Dai Inoue (Kanazawa University Hosp.)
4. IgG4-related Disease in Kidney and Retroperitoneum Naoki Takahashi (Mayo Clinic, Minnesota, USA)
5. Radio-pathology Collaboration for the Diagnosis of IgG4-related Disease Yoh Zen (Kobe Univ.)
6. Several Issues in the Establishment of the Diagnostic Criteria for Autoimmune Pancreatitis, AIP, and IgG4 Related Diseases, IgG4RD Shigeyuki Kawa (Shinshu Univ.)

• Symposium 4 : April 15 (Sat.) 9:10–11:10 (301)

〔Treatment Strategy for Hepatocellular Carcinoma (HCC)〕 Moderator: Shiro Miyayama (Fukui-Ken Saiseikai Hosp.)
Yasushi Nagata (Hiroshima Univ.)

1. Indications and Outcomes of Surgical Resection and Liver Transplantation for Hepatocellular Carcinoma Kiyoshi Hasegawa (University of Tokyo)
2. Progress and Improvement of Outcome in Radiofrequency Ablation for Hepatocellular Carcinoma (HCC) Namiki Izumi (Musashino Red Cross Hosp.)
3. Transcatheter Arterial Chemoembolization (TACE)-current Status and Future Shiro Miyayama (Fukuiken Saiseikai Hosp.)
4. Current Status and Perspective for Radiation Therapy for Liver Tumors Hideyuki Sakurai (University of Tsukuba)
5. Molecular Targeted Therapy for Hepatocellular Carcinoma: Current Status and Future Perspective Masatoshi Kudo (Kindai Univ.)

• Symposium 5 : April 15 (Sat.) 13:00–15:00 (National Convention Hall)

〔High-precision Radiotherapy and Diagnostic Imaging〕 Moderator: Kenji Nemoto (Yamagata Univ.)
Katsumasa Nakamura (Hamamatsu Univ. School of Medicine)

1. High Precision Radiation Therapy - Its Method and Role in Cancer Therapy Katsuyuki Karasawa (Tokyo Metropolitan Cancer and Infectious Diseases Center Komagome Hosp.)
2. Role of Multi-modality Imaging before Radiation Therapy Masayuki Matsuo (Gifu Univ.)
3. Diagnostic Imaging after Radiation Therapy Hidetake Yabuuchi (Kyushu Univ.)
4. Interventional Image Guided Approach is Mandatory to Achieve High Functioning Radiation Therapy Kazushi Kishi (Sapporo High Functioning Radiation Therapy Center)
5. How Will Advanced Imaging Change Radiotherapy? Masashi Koto (QST/NIRS)

• Symposium 6 : April 15 (Sat.) 13:00–15:00 (301)

〔Imaging of Early Hepatocellular Carcinoma; Pathologic Correlation and Clinical Application〕 Moderator: Osamu Matsui (Kanazawa Univ.)
Masumi Kadoya (Shinshu Univ.)

- Keynote Lecture Imaging of Multistep Hepatocarcinogenesis Osamu Matsui (Kanazawa Univ.)
1. Hemodynamics of Carcinogenic Hepatocyte Nodules: Computed Tomography, Radio-pathological Correlations and Outcomes of the Nodules Kazuhiko Ueda (The Cancer Institute Hosp. of Japanese Foundation for Cancer Research)
 2. Are Gadoteric Acid Enhanced Magnetic Resonance Imaging and Contrast Enhanced Ultrasound Necessary to Make the Diagnosis of Hypovascular (Non-hypervascular) Nodules? Hiroko Iijima (Internal Medicine, Division of Hepatobiliary and Pancreatic Disease, Ultrasound Imaging Center, Hyogo College of Medicine)
 3. Important Roles of Non-contrast and Dynamic Contrast-enhanced MRI for Diagnosing Early Hepatocellular Carcinoma Yasunari Fujinaga (Shinshu Univ.)
 4. Hepatocyte-phase Images of Gd-EOB-DTPA-MRI: A Breakthrough Imaging Technique for Detection and Differentiation of Early HCC Tomoaki Ichikawa (Saitama Medical University International Medical Center)
 5. EOB-MRI as a Biomarker of Hepatocarcinogenesis Azusa Kitao (Kanazawa University Hosp.)

6. Imaging Diagnostic Algorithm for Clinical Management of Early HCC Takamichi Murakami (Kindai Univ.)

· Symposium 7 : April 15 (Sat.) 13:00–15:00 (302)

[We must Understand Breast Cancer Subtypes to Provide a Best Personalized Medicine Approach for Breast Cancer from the Perspective of Radiologists]

Moderator: Hiroko Kawashima (Kanazawa Univ.)

Takayoshi Uematsu (Shizuoka Cancer Center)

1. Individualized Intervention for Breast Cancer ~from Screening to Systemic Therapy~
Hiroji Iwata (Aichi Cancer Center Hosp.)
2. Understanding "Subtypes" in Breast Cancer Rin Yamaguchi (Kurume University Medical Center)
3. Tumor Subtypes in Mammography Interpretation Kazuaki Nakashima (Shizuoka Cancer Center Hosp.)
4. Ultrasonic Characteristics Related to the Subtype of Breast Cancer
Hiroko Tsunoda (St Luke's International Hosp.)
5. Intrinsic Subtypes of Breast Cancer: MR Imaging Findings
Roka Namoto Matsubayashi (National Kyushu Medical Center)
6. Impact of Molecular Subtypes on Strategies and Outcomes of Radiation Therapy for Breast Cancer
Chikako Yamauchi (Shiga Medical Center for Adults)

· Symposium 8 : April 16 (Sun.) 9:50–11:50 (Main Hall)

[Diagnostic Imaging for Emergency Cases : Bunt or Home-run? Learn from Active Cases!]

Moderator: Yukihisa Saida (Tokyo Medical and Dental Univ.)

Hiroshi Kondo (Teikyo Univ. School of Medicine)

1. Imaging Findings of Non-traumatic Emergent Conditions of the Head and Neck Hiroki Kato (Gifu Univ.)
2. Diagnostic Radiology in Emergent Medicine Hiroyuki Ueda (Kobe City Medical Center General Hosp.)
3. Emergency Imaging of Acute Abdomen: Don't Be Afraid to Swing and Miss, Usually Try to Hit a Home Run
Mitsuru Matsuki (Kindai Univ.)
4. Pelvic Emergencies; a Practical Role of Diagnostic Radiology Junko Takahama (Nara Medical Univ.)

· Symposium 9 : April 16 (Sun.) 9:50–11:50 (301, Broadcast:302)

[Useful IR Techniques You Should Know: What Is an Expert's Choice?]

Moderator: Yukunori Korogi (Univ. of Occupational and Environmental Health)

Susumu Kanazawa (Okayama Univ. Medical School)

1. IR Techniques to Be Acknowledged: Chest/Non-vascular Takao Hiraki (Okayama Univ.)
2. Technical Tips on TACE for Liver Cancer Toshihiro Tanaka (Nara Medical Univ.)
3. IR Techniques You Should Know: How Do You Do? Non-vascular IR in the Abdomen
Koichiro Yamakado (Hyogo College of Medicine)
4. Technique in Current UAE for Uterine Leiomyoma Tetsuya Katsumori (Saiseikai Shiga Hosp.)
5. Interventional Radiology for peripheral vascular malformations
Hidefumi Mimura (St. Marianna University School of Medicine)
6. Useful Techniques in Interventional Neuroradiology: Cases Review Hiro Kiyosue (Oita University Hosp.)

Image Interpretation Session

· Image Interpretation Session : April 15 (Sat.) 17:00–19:00 (Main Hall)

「Road to General!」

Moderator: Tadashi Sagoh (Fukui Red Cross Hosp.)
 Hitoshi Abo (Toyama Prefectural Central Hosp.)
 Ryusuke Ookura (Osaka Saiseikai Nakatsu Hosp.)
 Takao Kiguchi (Ichinomiya Nishi Hosp.)
 Yusuke Sakurai (Nagoya University Hosp.)
 Kenichi Mizuki (Seirei Hamamatsu General Hosp.)

Resident Seminar (Diagnosis)

· Resident Seminar (Diagnosis) 1 : April 14 (Fri.) 9:10–11:50 (National Convention Hall)

「Diagnosis 1: Diagnostic Imaging for Acute Abdomen」

Moderator: Toshifumi Gabata (Kanazawa Univ.)

1. Diagnostic Imaging of Acute Abdomen in Hepatobiliary System and Pancreas
 Kotaro Yoshida (Kanazawa Univ.)
2. Imaging Manifestations of Inflammation and Perforation of the Gastrointestinal Tract
 Hitoshi Abo (Toyama Prefectural Central Hosp.)
3. Bowel Obstruction, Hernia and Ischemia
 Toru Yamamoto (Fukui prefectural Hosp.)
4. Diagnostic Imaging of Genitourinary Disorders in Acute Abdomen
 Yasuhisa Kurata (Kyoto Univ.)

· Resident Seminar (Diagnosis) 2 : April 15 (Sat.) 9:10–11:40 (National Convention Hall)

「Diagnosis 2: Pediatric Diagnostic Imaging: Learn about Emergency Imaging」

Moderator: Noriko Aida (Kanagawa Children's Medical Center)

1. Emergency Pediatric Imaging: Introduction and Non-traumatic Brain Emergency
 Noriko Aida (Kanagawa Children's Medical Center)
2. Imaging of Respiratory Emergencies in Children
 Eiji Oguma (Saitama Children's Medical Center)
3. Pediatric Trauma
 Rieko Furukawa (Jichi Children's Medical Center Tochigi)

Resident Seminar (Radiation Oncology)


· Resident Seminar (Radiation Oncology) : April 14 (Fri.) 15:10–17:10 (National Convention Hall)

「Radiation Oncology: Progress of Recent Radiotherapy」

Moderator: Hiroshi Onishi (Univ. of Yamanashi)

1. Radiotherapy for Uterine Cervical Cancer
 Takafumi Toita (Univ of the Ryukyus)
2. Stereotactic Body Radiation Therapy for Hepatocellular Carcinoma
 Hiroshi Mayahara (Kobe Minimally-invasive Cancer Center)
3. Charged Particle Radiotherapy
 Yoshiyuki Shioyama (Ion Beam Therapy Center, SAGA HIMAT Foundation)

Educational Lecture

· Educational Lecture 1 : April 14 (Fri.) 8:00–9:00 (National Convention Hall) 

「[MOC requirements] Radiation Safety Protection」 ※ JRS members only

Moderator: Hiromitsu Hayashi (Nippon Medical School)

1. Keeping of Safety for MRI Instruments and Clinical MRI Measurements
 Masafumi Harada (Tokushima Univ.)
2. Safe Management of Iodine Contrast Materials
 Kazuo Awai (Hiroshima Univ.)

· Educational Lecture 2 : April 14 (Fri.) 8:00–9:00 (Main Hall)

「Gastrointestinal Radiology 1」

Moderator: Tomoaki Ichikawa (Saitama Medical Univ. International Medical Center)

1. Limits of Couinaud's Liver Segment Classification
 Fukukura Yoshihiko (Kagoshima Univ.)
2. Hepatic Vascular and Perfusion Disorders: CT and EOB-enhanced MRI
 Tatsuyuki Tonan (Kurume University School of Medicine)

- Educational Lecture 3 : April 14 (Fri.) 8:00–9:00 (301)

[Genitourinary Radiology 1] Moderator: Takehiko Gokan (Showa Univ.)

 1. Primary Prostate Cancer: Multiparametric MR Imaging with PI-RADS V2 for Detection/Localization and Staging Tsutomu Tamada (Kawasaki Medical School)
 2. Multiparametric Prostate MRI - Before and After Treatment Yoshiko Ueno (Kobe Univ.)

- Educational Lecture 4 : April 14 (Fri.) 8:00–9:00 (302)

[Chest Radiology 1] Moderator: Kiyoshi Murata (Shiga Univ. of Medical Science)

 1. Chest Radiographs in the Diagnosis of Lung Cancer Kazuto Ashizawa (Nagasaki Univ.)
 2. CT Diagnosis for Lung Masses or Nodules Masahiko Kusumoto (National Cancer Center Hosp. East)

- Educational Lecture 5 : April 14 (Fri.) 8:00–9:00 (303)

[Neuroradiology 1] Moderator: Takaaki Hosoya (Yamagata Univ.)

 1. Syndromes Associated with Cerebrovascular Disease Satoshi Matsushima (The Jikei University School of Medicine.)
 2. Vasculopathies with Onset as Thunderclap Headache: RCVS and Arterial Dissection Masami Shimoda (Tokai University Hachioji Hosp.)

- Educational Lecture 6 : April 14 (Fri.) 8:00–9:00 (304)

[Nuclear Medicine 1] Moderator: Shin-ichiro Kumita (Nippon Medical School)

 1. Roles of Nuclear Cardiology: Noninvasive Risk Stratification in Patients with Known or Suspected Coronary Artery Disease Hiroschi Higashino (Matsuyama Heart Center Yotsuba Circulation Clinic)
 2. Current Application of Myocardial Nuclear Imaging to Non-ischemic Heart Disease Tomonari Kiriya (Nippon Medical School)

- Educational Lecture 7 : April 14 (Fri.) 8:00–9:00 (311+312)

[Cardiac Radiology 1] Moderator: Masahiro Jinzaki (Keio Univ.)

 1. Role of Coronary CT Angiography for Ischemic Heart Disease Michinobu Nagao (Tokyo Women's Medical Univ.)
 2. Cardiovascular Magnetic Resonance Imaging for Ischemic Heart Disease Atsushi Kono (National Cardiovascular Research Center)

- Educational Lecture 8 : April 14 (Fri.) 8:00–9:00 (313+314)

[Musculoskeletal Radiology 1] Moderator: Hideharu Sugimoto (Jichi Medical Univ.)

 1. Shoulder MRI: Anatomy and Biomechanics Taiki Nozaki (St.Luke's International Hosp.)
 2. Imaging of the Painful Shoulder Waka Nakata (Jichi Children's Medical Center Tochigi)

- Educational Lecture 9 : April 14 (Fri.) 8:00–9:00 (315)


[IVR 1] Moderator: Kenji Ogawa (Nippon Koukan Hosp.)

 1. Interventional Radiology for Vascular Injury Koji Sugimoto (Kobe Univ.)
 2. Basic Procedure of Percutaneous Transluminal Angioplasty and Stent Placement and Current Interventional Radiology for Intracranial and Carotid Artery Stenosis Katsutoshi Takayama (Ishinkai Yao General Hosp.)

- Educational Lecture 10 : April 14 (Fri.) 8:00–9:00 (F205+206)

[Radiation Oncology 1] Moderator: Hiroki Shirato (Hokkaido Univ.)

 1. Radiation Therapy for Malignant Brain Tumors Toshihiro Kumabe (Kitasato Univ.)

2. Radiotherapy for Management of Malignant Gliomas
Minako Sumi (Cancer Institute Hosp. Japanese Foundation For Cancer Research)
- Educational Lecture 11 : April 14 (Fri.) 9:10–10:10 (F205+206)
〔Radiation Oncology 2〕 Moderator: Natsuo Oya (Kumamoto Univ.)
1. Radiation Therapy for Malignant Lymphoma
Emiko Shimoda (Higashiosaka Medical Center/Nara Medical Univ.)
 2. Recent Advances in Treatment of Hematopoietic Tumors Norifumi Tsukamoto (Gunma University Hosp.)
- Educational Lecture 12 : April 15 (Sat.) 8:00–9:00 (National Convention Hall) 
〔[MOC requirements] Radiation Safety Protection〕 ※ JRS members only
Moderator: Kazuko Ohno (Kyoto College of Medical Science)
1. Medical Safety and Radiation Protection in Nuclear Medicine Practices Makoto Hosono (Kindai Univ.)
 2. Radiation Therapy (from the Standpoint of Protection or Safety) Masahiko Aoki (Hirosaki University Hosp.)
- Educational Lecture 13 : April 15 (Sat.) 8:00–9:00 (Main Hall)
〔Gastrointestinal Radiology 2〕 Moderator: Kiyoshi Matsueda (The Cancer Institute Hospital of JFCR)
1. Metabolic Liver Disorders: Fatty Liver Disease, Iron Overload Disease, Glycogen Storage Disease
Hiromitsu Onishi (Osaka Univ.)
 2. Acute, Fulminant and Chronic Hepatitis Akihiro Nishie (Kyushu Univ.)
- Educational Lecture 14 : April 15 (Sat.) 8:00–9:00 (301)
〔Genitourinary Radiology 2〕 Moderator: Yoshifumi Narumi (Osaka Medical College)
1. Benign Cystic Lesions of the Adnexa Akiko Takahata (Kyoto Prefectural University of Medicine)
 2. Differential Diagnosis of Benign Solid Ovarian Tumor Sayaka Daido (Kyoto University Hosp.)
- Educational Lecture 15 : April 15 (Sat.) 8:00–9:00 (302)
〔Radiation Oncology 3〕 Moderator: Masahiko Oguchi (The Cancer Institute Hospital of JFCR)
1. Radiotherapy for Bone and Soft Tissue Tumor Masahiko Koizumi (Osaka Univ.)
 2. Stereotactic Body Radiotherapy for Liver Tumors Atsuya Takeda (Ofuna Chuo Hosp.)
- Educational Lecture 16 : April 15 (Sat.) 8:00–9:00 (303)
〔Neuroradiology 2〕 Moderator: Hajime Kitagaki (Shimane Univ.)
1. Diverse Imaging Findings of Sporadic Cerebral Amyloid Angiopathy: Hemorrhagic and Non-hemorrhagic Lesions
Keita Sakurai (Tokyo Metropolitan Medical Center of Gerontology)
 2. Vascular Malformations of the Brain Daisuke Yoshida (Hokkaido Univ.)
- Educational Lecture 17 : April 15 (Sat.) 8:00–9:00 (304)
〔Nuclear Medicine 2〕 Moderator: Kiyoshi Koizumi (Tokyo Medical Univ. Hachioji Medical Center)
1. PET Tracer Beyond FDG Ryogo Minamimoto (National Center for Global Health and Medicine)
 2. PET in Oncology: Recent Advancement of Technology Koji Murakami (Juntendo Univ.)
- Educational Lecture 18 : April 15 (Sat.) 8:00–9:00 (311+312)
〔Head and Neck Radiology 1〕 Moderator: Toshi Abe (Kurume Univ.)
1. Diagnostic Imaging of Cervical Lymph Node Metastases; Before and after Treatment
Fumitoshi Aga (Kagawa Univ.)
 2. Imaging of Cervical Lymph Nodes: Non-neoplastic Lymphadenopathy Mika Kitajima (Kumamoto Univ.)

- Educational Lecture 19 : April 15 (Sat.) 8:00–9:00 (313+314)
 [Musculoskeletal Radiology 2] Moderator: Kunihiko Fukuda (The Jikei Univ. School of Medicine)
 1. Osteonecrosis: Imaging Features Shigeru Ehara (Iwate Medical Univ.)
 2. Anatomic Variants of Skeletal System Satoshi Tatsuno (Advanced Imaging Center Yaesu Clinic)

- Educational Lecture 20 : April 15 (Sat.) 8:00–9:00 (315)
 [IVR 2] Moderator: Kimihiko Kichikawa (Nara Medical Univ.)
 1. Endovascular Treatment for Iliac and Femoropopliteal Artery Occlusive Diseases
 Ichihashi Shigeo (Nara Medical Univ.)
 2. Interventional Therapy for Peripheral Arterial Disease. CLI/below the Knee Lesions
 Tomoyasu Sato (Tsuchiya general Hosp.)

- Educational Lecture 21 : April 15 (Sat.) 8:00–9:00 (F205+206)
 [Chest Radiology 2] Moderator: Satoshi Noma (Tenri Hosp.)
 1. TNM Classification and Stage Groupings of Lung Cancers Using UICC Version 8 -the Role of CT-
 Masaki Hara (Nagoya City West Medical Center)
 2. Role of FDG-PET/CT for Solitary Pulmonary Nodule and Lung Cancer Masahiro Endo (Shizuoka Cancer Center)


- Educational Lecture 22 : April 15 (Sat.) 9:10–10:10 (F205+206)
 [Breast Imaging] Moderator: Tokiko Endo (National Hospital Organization Higashi Nagoya Hosp.)
 1. Comprehensive Review of Mammographic Breast Density Takayoshi Uematsu (Shizuoka Cancer Center Hosp.)
 2. The Know-how of Breast MRI Interpretation According to ACR-BIRADS MRI Ken Yamaguchi (Saga Univ.)


- Educational Lecture 23 : April 15 (Sat.) 10:20–11:20 (F205+206)
 [Cardiac Radiology 2] Moderator: Toshiaki Nitatori (Kyorin Univ.)
 Basics for Congenital Heart Disease Imaging Yutaka Tanami (Saitama Children's Medical Center)

- Educational Lecture 24 : April 15 (Sat.) 13:00–14:00 (F205+206)
 [Radiation Oncology 4] Moderator: Takashi Mizowaki (kyoto Univ.)
 1. Radiation Therapy for Solid Tumors in Children Motoko Omura (Shonan Kamakura General Hosp.)
 2. Radiotherapy for Benign Disease Hiroshi Sekine (the Jikei University, School of Medicine)

- Educational Lecture 25 : April 15 (Sat.) 14:10–15:10 (F205+206)
 [Radiation Oncology 5] Moderator: Takashi Nakano (Gunma Univ.)
 1. Usefulness of PET in Radiation Oncology Rikiya Onimaru (Hokkaido Univ.)
 2. Medical Image for Radiotherapy Takuyo Kozuka (Toranomon Hosp.)

- Educational Lecture 26 : April 15 (Sat.) 15:20–16:20 (F205+206)
 [Chest Radiology 3] Moderator: Teruhito Mochizuki (Ehime Univ.)
 1. Lung Cancer Screening and Guidelines for Pulmonary Nodule Management
 Yuichiro Maruyama (Komoro Kosei General Hosp.)
 2. Evaluation of Therapeutic Effect and Complications Related to Therapy Hidetake Yabuuchi (Kyushu Univ.)

- Educational Lecture 27 : April 16 (Sun.) 8:00–9:00 (Main Hall) 
 [MOC Requirements] Quality of Imaging Diagnosis ※ JRS members only
 Moderator: Ryohei Kuwatsuru (Juntendo University Hosp.)
 1. Medical Information Integration Through the Use of International Standards
 Norinari Honda (Saitama Medical Center, Saitama Medical Univ.)

2. Quality Control in Diagnostic Imaging Masahiko Fujii (Kobe Minimally Invasive Cancer Center)
- Educational Lecture 28 : April 16 (Sun.) 8:00–9:00 (301)
 [Gastrointestinal Radiology 3] Moderator: Kyo Ito (Kobe City Medical Center General Hosp.)
 1. Liver Cirrhosis Satoshi Goshima (Gifu University Hosp.)
 2. Imaging Findings of Sclerosing Cholangitis Kazuto Kozaka (Kanazawa Univ.)
- Educational Lecture 29 : April 16 (Sun.) 8:00–9:00 (302)
 [Cardiac Radiology 3] Moderator: Naofumi Matsunaga (Yamaguchi Univ.)
 1. The Basics about Vasculitis Seitaro Oda (Kumamoto Univ.)
 2. Image Findings of Vasculitis Hideki Ota (Tohoku University Hosp.)
- Educational Lecture 30 : April 16 (Sun.) 8:00–9:00 (303)
 [Neuroradiology 3] Moderator: Masafumi Harada (Tokushima Univ.)
 1. Vascular Disorders in Central Nervous System Associated with Pregnancy Harushi Mori (Univ of Tokyo)
 2. Recent Topics of Brain Aneurysm Imaging Yosiyuki Watanabe (Osaka Univ.)
- Educational Lecture 31 : April 16 (Sun.) 8:00–9:00 (304)
 [Nuclear Medicine 3] Moderator: Hiroshi Matsuda (National Center of Neurology and Psychiatry)
 1. Basis of Brain Perfusion SPECT and Clinical Applications for Cerebro-vascular Diseases Hiroshi Toyama (Fujita Health Univ.)
 2. Neurodegenerative Diseases in Nuclear Medicine Hiroshi Ito (Fukushima Medical Univ.)
- Educational Lecture 32 : April 16 (Sun.) 8:00–9:30 (311+312)
 [Pediatric Radiology] Moderator: Hiroshi Oba (Teikyo Univ.)
 1. Pediatric Images with Skeletal Maturation Masashi Koyama (Okazaki City Hosp.)
 2. Pediatric Skeletal Trauma and Child Abuse (Non-accidental Trauma) Yuka Morita (Univ of the Ryukyus)
 3. Pediatric Musculoskeletal Disorders Taiki Nozaki (St.Luke's International Hosp.)
- Educational Lecture 33 : April 16 (Sun.) 8:00–9:00 (313+314)
 [Head and Neck Radiology 2] Moderator: Yoshito Tsushima (Gunma University Hosp.)
 1. Imaging of Perineural Extension of Head and Neck Malignancies Ko Matsumoto (Miyagi Cancer Center)
 2. PET/CT in Head and Neck Cancers Yuji Nakamoto (Kyoto University Hosp.)
- Educational Lecture 34 : April 16 (Sun.) 8:00–9:00 (315)
 [IVR 3] Moderator: Tsuneo Ishiguchi (Aichi Medical Univ.)
 1. Percutaneous Vertebroplasty Noboru Tanigawa (Kansai Medical Univ.)
 2. RFA and Cryoablation for Musculoskeletal Tumor Masaya Miyazaki (Gunma University Hosp.)
- Educational Lecture 35 : April 16 (Sun.) 8:00–9:00 (F205+206) 
 [[MOC Requirements] Quality of Radiotherapy] ※ JRS members only
 Moderator: Masatoshi Hasegawa (Nara Medical Univ.)
 Quality of Radiation Therapy Tsuyoshi Takanaka (Koseiren Takaoka Hosp.)
- Educational Lecture 36 : April 16 (Sun.) 9:10–10:10 (F205+206)
 [Radiation Oncology 6] Moderator: Yasumasa Nishimura (Kindai Univ.)
 1. Image Guided Radiation Therapy (IGRT) Hiroya Shiomi (Miyakojima IGRT Clinic)
 2. Image-guided Respiratory Motion Management Mitsuhiro Nakamura (Kyoto University Hosp.)

· Educational Lecture 37 : April 16 (Sun.) 10:20–11:20 (F205+206)

〔Radiation Oncology 7〕


Moderator: Yasuhiro Ogawa (Hyogo Prefectural Kakogawa Medical Center)

1. The 10 Factors in Correlation and Influence of Radiotherapy on the Society and the Economy

Hiroshi Onishi (Univ of Yamanashi)

2. Basic Knowledge of Health Economic Evaluation

Tomoyuki Takura (Osaka Univ.)

· Educational Lecture 38 : April 16 (Sun.) 13:00–14:00 (National Convention Hall) 

〔[MOC Requirements] Medical Ethics〕 ※JRS members only

Moderator: Tomio Inoue (Yokohama City Univ.)

Ethics of Terminal Care

Hitoshi Arima (Yokohama City Univ.)

指導者講習会

· 指導者講習会 : April 14 (Fri.) 10:50–11:50 (F205+206)

Takamichi Murakami (Kindai Univ.)

April 16 (Sun.) 13:00–14:00 (301)

Yasushi Kaji (Dokkyo Medical Univ.)

JCR Hour 2017

· JCR Hour 2017 : April 16 (Sun.) 13:00–14:30 (F205+206)

Moderator: Masahiro Ida (Ebara Hosp.)

Hiroshi Onishi (Univ. of Yamanashi)

1. Present Status of Choosing Wisely of Radiological Medicine in Japan

a. Diagnosis Area

Yoshiyuki Watanabe (Graduate School of Medicine, Osaka Univ.)

b. Radiotherapy Area

Masamichi Nishio (Hokkaido Cancer Center)

c. Present Status in UA

Kei Yamada (Kyoto Prefectural University of Medicine)

2. Special Lecture

Present Status of Radiological Medicine in Balkan

Dimitrios Tsetis (President of Balkan Society of Radiology)

Luncheon Seminar

· Luncheon Seminar 1 : April 14 (Fri.) 12:00–12:50 (Main Hall)

〔Diagnostic Imaging of the Elderly〕

Moderator: Osamu Abe (Graduate school, the Univ. of Tokyo)

1. Imaging of Aging Brain

Takashi Yoshiura (Kagoshima Univ.)

2. Recent Progress of Osteoporosis; Diagnosis and Treatment

Masako Ito (Nagasaki Univ.)

Sponsored by : DAIICHI SANKYO.CO., LTD

· Luncheon Seminar 2 : April 14 (Fri.) 12:00–12:50 (301)

〔Diffusion MRI: Past, Present and Future〕

Moderator: Shigeki Aoki (Juntendo Univ.)

1. Current Topics in MRI

Toshiba Medical Systems

2. Diffusion MRI: Past, Present and Future

Denis Le Bihan (NeuroSpin, CEA Saclay-Center, France)

Sponsored by : TOSHIBA MEDICAL SYSTEMS CORPORATION

· Luncheon Seminar 3 : April 14 (Fri.) 12:00–12:50 (302)

〔Advanced Applications〕

Moderator: Takamichi Murakami (Kindai Univ.)

1. MAGiC(SyMRI): Up-to-date Review

Akifumi Hagiwara (Juntendo Univ.)

2. The New Development in Diagnostic Liver Imaging with Use of MR Imaging Biomarkers

Akira Yamada (Shinshu Univ. School of Medicine)

Sponsored by : GE Healthcare Japan Corporation

- Luncheon Seminar 4 : April 14 (Fri.) 12:00–12:50 (303)
 「Shaping the Future through Innovation with Spectrum Shaping」
 Sponsored by : Siemens Healthcare K.K.
- Luncheon Seminar 5 : April 14 (Fri.) 12:00–12:50 (304)
 「Innovative MR/CT technology」 Moderator: Kazuo Awai (Hiroshima University Hosp.)
 1. The Latest Technology Trends in MRI –The Potential Benefits of New Application–
 Kazuhiro Katahira (Kumamoto Chuo Hosp.)
 2. Advances and potential of IQon spectral CT in clinical application: comparison with low kVp CT
 Takeshi Nakaura (Kumamoto Univ.)
 Sponsored by : Philips Electronics Japan
- Luncheon Seminar 6 : April 14 (Fri.) 12:00–12:50 (311+312)
 「Treatment of Venous Thromboembolism Based on Updated Evidence」
 Moderator: Hitoshi Oginio (Tokyo Medical Univ.)
 Masaru Hatano (Univ. of Tokyo)
 Sponsored by : Bristol-Myers Squibb / Pfizer Japan Inc.
- Luncheon Seminar 7 : April 14 (Fri.) 12:00–12:50 (313+314)
 「Image guided percutaneous cryoablation」 Moderator: Tadashi Shimizu (KKR Sapporo Medical Center Tonan Hosp.)
 Marco van Strijen (St. Antonius Hosp. Nieuwegein, Netherlands)
 Sponsored by : HITACHI Ltd,
- Luncheon Seminar 8 : April 14 (Fri.) 12:00–12:50 (315)
 「Content Based Image Retrieval System for Supporting Image Diagnosis Using AI Technology.
 Expansion to Diffuse Lung Disease (Non-neoplastic Lung Disease)」
 Moderator: Masahiro Endo (Shizuoka Cancer Center)
 1. Content-based Image Retrieval System: Basics and Clinical Utility Atsuko Kurosaki (Fukujuji Hosp.)
 2. Early clinical experience of content based image retrieval system for pulmonary diseases
 Atsushi Nambu (Teikyo University, Mizonokuchi Hosp.)
 Sponsored by : FUJIFILM Medical Co., Ltd.
- Luncheon Seminar 9 : April 14 (Fri.) 12:00–12:50 (Annex Hall F205+206)
 「Topics of Contrast enhanced CT:」 Moderator: Yasuyuki Yamashita (Kumamoto Univ.)
 1. LDH never lie!
 Clinical condition and imaging based on abnormal laboratory findings
 Takashi Koyama (Kurashiki Central Hosp.)
 2. Contrast-induced Nephropathy: Up To Date
 Yoshito Tsushima (Gunma Univ.)
 Sponsored by : Eisai Co., Ltd.
- Luncheon Seminar 10 : April 15 (Sat.) 12:00–12:50 (Main Hall)
 「“Clinical Impact of Ultra High Resolution CT”」 Moderator: Noriyuki Tomiyama (Osaka Univ.)
 1. Clinical Impact of Neuroradiology Using Ultra High Resolution CT Kazuhiro Murayama (Fujita Health Univ.)
 2. Clinical Impact of Abdominal Radiology Using Ultra High Resolution CT
 Miyuki Sone (National Cancer Center Central Hosp.)
 3. Clinical Impact of Cardiovascular Radiology Using Ultra High Resolution CT
 Kunihiro Yoshioka (Iwate Medical Univ.)
 Sponsored by : TOSHIBA MEDICAL SYSTEMS CORPORATION

-
- Luncheon Seminar 11 : April 15 (Sat.) 12:00–12:50 (301)
 「The 10 Best Basic Comfortable Functions of PSP PACS」
 Moderator: Masahiro Jinzaki (Keio Univ.)
 Kazuhiro Katahira (Kumamoto Chuo Hosp.)
 Sponsored by : PSP Corporation.
 - Luncheon Seminar 12 : April 15 (Sat.) 12:00–12:50 (302)
 「Glymphatic System ~Clinical Importance in Radiology and Its Significance in Brain Gadolinium Deposition~」
 Moderator: Osamu Abe (Graduate school, the Univ. of Tokyo)
 Shinji Naganawa (Nagoya Univ.)
 Sponsored by : Bayer Yakuin, Ltd.
 - Luncheon Seminar 13 : April 15 (Sat.) 12:00–12:50 (303)
 「Possibility of Nuclear Oncology」
 Moderator: Ukihide Tateishi (Tokyo Medical and Dental Univ.)
 1. Nuclear Imaging as a Biomarker in Oncology –Introduction of QIBA and Various Quantitative Parameters–
 Mitsuki Tatsumi (Osaka University Hosp.)
 2. Utility of Tumor Nuclear Medicine Diagnosis and Its Application to Radiotherapy
 Ryoichi Yoshimura (Tokyo Medical and Dental Univ.)
 Sponsored by : FUJIFILM RI Pharma Co., Ltd.
 - Luncheon Seminar 14 : April 15 (Sat.) 12:00–12:50 (304)
 「Dynamic Contrast-enhanced MRI of the Abdomen: Usefulness of Radial VIBE and the Future Outlook for Radial Sequences」
 Moderator: Toshifumi Gabata (Kanazawa Univ.)
 Yasunari Fujinaga (Shinshu Univ.)
 Sponsored by : Siemens Healthcare K.K.
 - Luncheon Seminar 15 : April 15 (Sat.) 12:00–12:50 (311+312)
 「How to Prepare for Artificial Intelligence In Radiology」
 Moderator: Masahito Uesugi (Hokkaido Information Univ.)
 Naoto Hayashi (The University of Tokyo Hosp.)
 Sponsored by : J-MAC SYSTEM, INC.
 - Luncheon Seminar 16 : April 15 (Sat.) 12:00–12:50 (313+314)
 「New Horizon of 4D Imaging」
 Moderator: Hiroshi Moriya (Ohara General Hosp.)
 1. Planning for Respiratory Motion Tracking Radiotherapy using the Four Dimensional Motion Analysis
 Nobuhiro Tsukamoto (Japanese Red Cross Saitama Hospital)
 2. Physiological Imaging for Obstructive Lung Diseases: 4D-CT Analysis using PhyZiodynamics
 Tsuneo Yamashiro (Univ. of the Ryukyus)
 Sponsored by : Ziosoft, Inc. / Amin Co., Ltd
 - Luncheon Seminar 17 : April 15 (Sat.) 12:00–12:50 (315)
 「Evolving Technique of Tomosynthesis」
 Moderator: Nobuyuki Shiraga (Toho University Medical Center Omori Hospital)
 1. Today and Tomorrow of Tomosynthesis Technique
 Masahiro Nakajima (Kofu Municipal Hosp.)
 2. Clinical Application of Tomosynthesis in ERCP
 Yosuke Suyama (National Defense Medical College)
 Sponsored by : Shimadzu Corporation

- Luncheon Seminar 18 : April 15 (Sat.) 12:00–12:50 (416+417)

「Evolution of Angio Suite」Moderator: Shiro Miyayama (Fukui-ken Saiseikai Hosp.)

 1. Clinical experience of new Angio Suite in the Netherlands
Marco van Strijen (St. Antonius Hosp. Nieuwegein, Netherlands)
 2. Concept of new Angio Suite and its impression in Japan Miguel Klokgieters (Philips Healthcare, Netherlands)

Sponsored by : Philips Electronics Japan

- Luncheon Seminar 19 : April 15 (Sat.) 12:00–12:50 (Annex Hall F205+206)

「Diagnostic imaging of abdomen」Moderator: Takamichi Murakami (Kinki Univ.)

Tomoaki Ichikawa (Saitama Medical University International Medical Center)

Kengo Yoshimitsu (Fukuoka Univ.)

Sponsored by : FujiPharma Co., Ltd.

- Luncheon Seminar 20 : April 16 (Sun.) 12:00–12:50 (Main Hall)

「The Role of Imaging for Clinical Management of Chronic Thromboembolic Pulmonary Hypertension」

Moderator: Kei Takase (Tohoku Univ.)

Hideki Ota (Tohoku University Hosp.)

Sponsored by : Bayer Yakuhin, Ltd.

- Luncheon Seminar 21 : April 16 (Sun.) 12:00–12:50 (301)

「Revolution CT – The Cutting Edge of Cardiac CT」Moderator: Masahiro Jinzaki (Keio Univ.)

 1. Revolutionize Cardiac CT by Smart Cardiac Technology Hideyuki Sato (Edogawa Hosp.)
 2. Clinical Outcome of Cardiac CT by Revolution CT Takehiko Keida (Edogawa Hosp.)

Sponsored by : GE Healthcare Japan Corporation

- Luncheon Seminar 22 : April 16 (Sun.) 12:00–12:50 (302)

「Forefront of prostate MRI」Moderator: Yasuyuki Yamashita (Kumamoto Univ.)

 1. MRI diagnosis of prostate cancer with PI-RADS Ver.2 Yasushi Kaji (Dokkyo Medical Univ.)
 2. Pitfalls to Avoid in interpreting prostate MRI Satoru Takahashi (Kobe Univ.)

Sponsored by : FujiPharma Co., Ltd.

- Luncheon Seminar 23 : April 16 (Sun.) 12:00–12:50 (303)

「Present and Future Roles of FDG-PET/CT in the Management of Lung Cancer. –What Do the Surgeons Want to Know? –」

Moderator: Masayuki Inubushi (Kawasaki Medical School)

Katsuhiko Shimizu (Kawasaki Medical School)

Sponsored by : Nihon Medi-Physics Co., Ltd.

- Luncheon Seminar 24 : April 16 (Sun.) 12:00–12:50 (304)

「MRI of Prostate Cancer with Pathologic Correlation: Pitfalls in Interpreting Multiparametric MRI」

Moderator: Yusuke Inoue (Kitasato Univ.)

Hiroshi Shinmoto (National Defense Medical College)

Sponsored by : PSP Corporation.

- Luncheon Seminar 25 : April 16 (Sun.) 12:00–12:50 (311+312)

「Realization of Next Generation Imaging Information Systems - Integration Experience at St. Marianna University School of Medicine Group Hospital」

Moderator: Osamu Abe (Graduate school, the Univ. of Tokyo)

Yasuyuki Kobayashi (St. Marianna Univ. School of Medicine)

Sponsored by : TOSHIBA MEDICAL SYSTEMS CORPORATION

• Luncheon Seminar 26 : April 16 (Sun.) 12:00–12:50 (313+314)

「Noise Reduction」

Moderator: Manabu Minami (Tsukuba University Hosp.)

1. Physical Evaluation of Noise Reduction Features Mounted on the Post-processing Workstation

Shota Watanabe (Institute of Advanced Clinical Medicine, Kindai Univ.)

2. Recent Advance in AZE Workstation –Clinical Evaluation of Noise Reduction Software in Both CT and MRI–

Kazuhiro Katahira (Kumamoto Chuo Hosp.)

Sponsored by : AZE, Ltd.

• Luncheon Seminar 27 : April 16 (Sun.) 12:00–12:50 (Annex Hall F205+206)

「Streamlined Clinical Workflows for a Wide Range of Applications Utilising RapidPlan™」

Moderator: Takashi Mizowaki (Kyoto Univ.)

Kenton Thompson (Icon Integrated Cancer Centre)

Sponsored by : Varian Medical Systems K.K.

Educational Exhibition Programs

April 13 (Thu.)~April 16 (Sun.)

Neuroradiology

- E001** Three-dimensional Double Inversion Recovery Imaging: Clinical Applications and Usefulness in a Wide Spectrum of Central Nervous System Diseases
Maki Umino / Dept. Radiology, Mie University School of Medicine
- E002** Benign Circumscribed Mass of the Spinal Cord: Radiologic-pathologic Correlation
Motoaki Sato / Dept. of Radiology, Kamagaya General Hospital
- E003** Normal Variations of Intracranial Dural Venous Sinus-Superior Sagittal Sinus to Internal Jugular Vein-
Akio Fukusumi / Nara City Medical Laboratory Center
- E004** Structural and Functional Imaging in Machado-Joseph Disease
Makoto Ochi / Dept. of Radiology, Nagasaki Kita Hosp.
- E005** MRI of Brain Injury in Preterm Infants
Kumiko Ando / Dept. of Radiology, Hyogo College of Medicine
- E006** MR and CT Angiography Findings of External Carotid-vertebrobasilar Anastomoses
Akira Uchino / Dept. of Diagnostic Radiology, Saitama Medical University International Medical Center
- E007** Diagnosis and Imaging of Brain Arteriovenous Malformation
Masahiro Nawata / Dept. of Radiology, Tominaga hospital

Head and neck

- E008** Imaging Features of Medication-related Osteonecrosis of the Jaw: Comparison between Panoramic Radiography, CT, and MRI
Ichiro Ogura / Radiology, The Nippon Dental University Niigata Hospital
- E009** CT and MR Imaging Findings of Malignant Melanoma in the Neck
Masaya Kawaguchi / Dept. of Radiology, Gifu University School of Medicine
- E010** Head and Neck Trauma in the Young and Elderly: What Is the Difference?
Naoko Saito / Dept. of Diagnostic Radiology, Saitama Medical University, International Medical Center
- E011** Imaging of Parapharyngeal Space Lesions
Koshi Ikeda / Dept. of Radiology, Kansai Medical University Medical Center

Chest

- E012** Radiologic Images of Pulmonary Complications after Lung Transplantation
Katsuhide Kojima / Dept. Radiology, Okayama University Hospital
- E013** Direct Connection of the Lung to the Mediastinum:CT of Normal Subjects, Pneumothorax, Pectus Excavatum, and after Lobectomy
Koji Takahashi / Dept. of Radiology, Asahikawa Medical Univ.

- E014** Pulmonary Cryptococcosis: Spectrum of Imaging Findings
Kiyomi Furuya / Department of Radiology, National Hospital Organization Kyushu Medical Center, 1-8-1 Jigyohama, Chuo-ku
- E015** Respiratory Phases Are Reflected in Dynamic Respiratory CT Images
Hiroshi Moriya / Dept. of Radiology, Ohara General Hospital
- E016** The Pictorial Essay of Pneumoconiosis and Differential Diseases
Yurika Kitano / Dept. of Radiology, Tenri Hospital
- E017** Pitfalls in Chest Radiographic Interpretation for Lung Cancer Diagnosis
Mio Mori / Dept. of Clinical Oncology, Nagasaki University Graduate School of Biomedical Sciences
- E018** Understanding of Pulmonary Lesion Enhancement Techniques Using Digital Chest X-ray Images
Yasuo Sasaki / Dept. of Radiology, Iwate Prefectural Central Hospital

Cardiovascular

- E019** Cardiac Disease for the General Radiologist on Non ECG-gated CT
Takashi Norikane / Dept. of Radiology, Faculty of Medicine, Kagawa University
- E020** Imaging of Congenital Heart Disease Using 3D Computed Tomography Angiography
Naofumi Watanabe / Dept. of Radiology, Asahikawa Medical University
- E021** Dual Source CT for Whole-heart and Vascular Imaging: Clinical Implications in Infants with Congenital Cardiovascular Disease
Natsuhiko Saito / Dept. of Radiology, Nara Medical University
- E022** High-resolution MR Lymphangiography for the Anatomical and Functional Assessment of Lymphedema and Other Lymphatic Circulation Disorders
Shigeyoshi Soga / Department of Radiology, National Defense Medical College
- E023** Pre- and Post-operative Imaging of the Congenital Heart Disease: A Pictorial Essay
Nobuko Tanitame / Dept. of Radiology, Hiroshima City Hiroshima Citizens Hospital
- E024** Imaging Findings of the Chemoradiation-therapy Related Cardiac Complications for Thoracic Malignancies
Kentaro Takanami / Department of Radiology, Tohoku University Hospital

Hepatobiliary and pancreas

- E025** Virtual Monoenergetic Imaging Using TwinBeam Dual Energy MDCT on Abdominal Cancer Diagnosis
Hiroyuki Horikoshi / Dept. of Diagnostic Radiology, Gunma Cancer Center
- E026** Pancreatobiliary Reflux in Patients with a Normal Pancreaticobiliary Junction: Clinical Implication and Recent Advancement
Reiji Sugita / Dept. of Radiology, Sendai City Medical Center

E027 Hepatic Non-neoplastic Mass: The Great Mimicker
Satoshi Yamauchi / *Dept. of Radiology, Nara Medical University*

E028 Images of Radiation Induced Hepatitis and the Estimation of Therapeutic Effect Regarding Irradiated Hepatocellular Carcinoma
Shigeyuki Takamatsu / *Dept. of Radiation therapy, Kanazawa University School of Medicine*

Gastrointestinal

E029 MDCT of Inguinal Hernias : Diagnosis, Postoperative Findings, and Complications
Eliko Tanaka / *Dept. of Radiology, Showa University Fujigaoka Hospital*

E030 Various Causes and Systematic Image Interpretation of Bowel Obstruction
Akitoshi Inoue / *Dept. of Radiology, Shiga University of Medical Science*

E031 Ask Patients "What Did You Eat ?" Gastrointestinal Complications and Other Complications Caused by Ingested Food
Hitoshi Ito / *Dept. of Radiology, Okitama General Hospital*

E032 Adenocarcinoma Arising from Fistula in Ano: Characteristic Features and Pitfalls in MR Imaging
Daisuke Yamada / *Dept. of Radiology, Japanese Red Cross Medical Center*

E033 Neoplasms of the Small Bowel and Mesentery: Diagnostic Pitfalls and Mimickers
Ryo Takaji / *Dept. of Radiology, Oita University Faculty of Medicine*

E034 CT and MRI Findings of Mesenteric Tumors: Differentiation between Benign and Malignant Tumors
Kazuya Matsunari / *Dept. of Radiology, Showa University Northern Yokohama Hospital*

E035 Current Topics of Radiological Diagnosis in Gastric Cancer Screening
Takahiro Itoh / *Dept of Radiology, Nara Medical University*

Uroradiology

E036 The Sigmoid Mesocolon: Review of Anatomy and Pathology
Koki Kato / *Dept. of Radiology, Saiseikai Utsunomiya*

E037 Calcification in Adrenal Gland: Imaging Patterns, Interpretation and Relevance
Ruonan Li / *Dept. of Radiology, Tokyo Medical and Dental University*

E038 "Burned-out" Testicular Tumor: Clinical, Radiological, and Pathological Manifestations
Hitoshi Abo / *Dept. of Diagnostic Radiology, Toyama Pref. Centr. Hosp.*

E039 Optimal Use of CT and MRI for Planning Therapeutic Strategies of Urothelial Cancer (UC)
Yukiko Honda / *Dept. of Radiology, Hiroshima University*

E040 Image Diagnosis of Spermatic Cord Diseases
Shunta Ishitoya / *Department of Radiology, Asahikawa Medical University,*

Obstetrics/Gynecology

E041 Sex Cord-stromal Tumors of Ovary: Imaging Findings and Pathologic Correlation
Shigenobu Motoshima / *Dept. of Obstetrics and Gynecology, Kokura Medical Center*

E042 MR Image of Sac Within Cervical Canal During Early Pregnancy: Inevitable Abortion and Ectopic Pregnancy
Yuko Otake / *Dept. of Radiology, Jichi Medical University*

E043 Clinical Utility of "preserved Follicle Sign" for the Differential Diagnosis of Adnexal Masses
Mayumi Takeuchi / *Dept. of Radiology, Tokushima University*

E044 MR Imaging of Endometrial Stromal Tumors: Review with Pathologic Correlation
Mina Asatani / *Dept. of Radiology, Niigata Cancer Center Hospital*

E045 Usual and Unusual MR Imaging Findings of Ovarian Fibroma and Thecoma
Naoko Mukuda / *Dept. of Radiology, Tottori University*

E046 Imaging of Sex Cord Stromal Tumors of the Ovary
Yasuomi Fujimoto / *Dept. of Radiology, Asahikawa Medical University*

Breast

E047 MRI Findings of Various Breast Cancer Molecular Subtypes: The Importance of Intratumoral Heterogeneity
Sachiko Yuen / *Div. of Breast Imaging, Shinko Hospital*

E048 Imaging Features of Hereditary Breast Cancer
Hidemi Okuma / *Dept. of Radiology, The University of Tokyo Hospital*

E049 General Understanding of Mammographic Breast Density
Takayoshi Uematsu / *Dept. of Clinical Physiology and Breast Imaging/Intervention*

E050 Images of Invasive Micropapillary Carcinoma of the Breast
Hiroshi Nakahara / *Dept. of Radiology, Breastopia Miyazaki Hospital*

E051 Imaging of the Rare Sites of Distant Metastases from Breast Cancer
Mihoko Kondo / *Department of Radiology, Tokushima University Hospital*

Musculoskeletal

E052 Chemical Shift MR Imaging of the Spine: The Impact in Differentiating Various Diseases in Clinical Practice
Koichiro Kimura / *Dept. of Radiology, Japanese Red Cross Medical Center*

E053 Clinical and Radiological Features of Fibro-adipose Vascular Anomaly (FAVA), a Newly Proposed Disorder
Noriko Nishioka / *Dept. of Diagnostic Radiology, Tonan Hospital*

E054 Ossifying Fibroma Imaging Findings: A Rare Case and a Literature Review
Kazumasa Oiso / *Dept. Radiology, Kanazawa Medical University*

Pediatric

- E055** Differential Diagnosis of Basal Ganglia Abnormalities in Pediatric Patients
Shigeko Kuwashima / *Department of Radiology Dokkyo Medical University*
- E056** Characteristic Sonographic Findings of Branchial Cleft Sinus/Fistula in Pediatric Patients
Takahiro Hosokawa / *Department of Radiology, Saitama Children Medical Center*

Whole body

- E057** The MDCT Findings and MRI Features of Multiple Myeloma
Nobukata Kazawa / *Dept. of Radiology, Nagoya City University School of Medicine*
- E058** Methotrexate-associated Lymphoproliferative Disorders (MTX-LPD): Their Clinical, Radiological, and Pathological Manifestations
Masashi Taka / *Dept. of diagnostic Radiology, Toyama Pref. Centr. Hosp.*
- E059** Multimodality Imaging of Post Transplantation Lymphoproliferative Disorder (PTLD)
Akaike Gensuke / *Dept. of Radiology University of Washington Medical Center*
- E060** A Review of the Imaging Features of Sarcoidosis
Tomohiro Kikuchi / *Dept. of Radiology, Jichi Medical University School of Medicine*
- E061** Target-like Appearance on Abdominal Imaging
Kiyoyuki Minamiguchi / *Nara Medical University, Department of Radiology*
- E062** Pictorial Review of Amyloidosis
Naoto Uyama / *Tokushima Univ. Hosp.*
- E063** Imaging Findings of Methotrexate-associated Lymphoproliferative Disorders
Shoko Ariyoshi / *Dept. of Radiology, Yamaguchi University Graduate School of Medicine*
- E064** Radiological Analyses of Cases with Sarcoidosis
Jumpei Fujimoto / *Department of Radiology, Otsu Red Cross Hospital,*

Miscellaneous

- E065** Jet Ski-related Injuries: Typical Imaging Features
Yui Yogo / *Dept. of Radiology, Japanese Red Cross Otsu Hospital*
- E066** Imaging Findings in Medical Emergency of Heritable Connective Tissue Disorders
Chika Yamada / *Dept. of Radiology, Tokyo Metropolitan Tama Medical Center*
- E067** Image Quality and Clinical Applications of Full Iterative Reconstruction in CT
Koichiro Yasaka / *Dept. of Radiology, The University of Tokyo, The Institute of Medical Science*
- E068** Geometric Interpretation of Vector Space in Spin One-half Systems for Approaching the Quantum-mechanical Principles of MR Imaging
Makoto Fujita / *Dept. of Radiology, Nishinomiya Municipal Central Hospital*

- E069** Treatment-related Toxic Effects and Therapeutic Response Using Immune Checkpoint Blockade Drugs: What Radiologists Should Know
Tomohiro Itonaga / *Dept. of Radiology, Tokyo Medical University*
- E070** Neuroendocrine Tumors in the Abdomen: Clinical, and Radiologic Features
Ryosuke Taiji / *Dept. of Radiology, Nara Medical University*
- E071** Radiologic-pathologic-anatomic Correlation: A Pictorial Review of Postmortem CT and MRI Prior to Pathological Autopsy
Yohsuke Makino / *Dept. of Forensic Medicine, The University of Tokyo*
- E072** Current and Novel Imaging Techniques in Digital Tomosynthesis Radiography
Haruhiko Machida / *Department of Radiology, Tokyo Women's Medical University Medical Center East*

Nuclear Medicine

- E073** MRI and Nuclear Medicine Imaging Patterns of Atypical Parkinsonian Syndrome
Atsushi Nakanishi / *Dept. of radiology, Juntendo University School of Medicine*
- E074** Relevance Evaluation of Quantitative Hepatic Uptake on I-131 Whole Body Scan and the Residual Thyroid Tissue
Michihiro Nakayama / *Dept. of Radiology, Asahikawa Medical University*
- E075** Role of FDG- PET/CT at Pre- and Posttreatment of Non-small Cell Lung Cancer in Clinical Management and Prediction of Prognosis
Yoshihiro Okumura / *Dept. of Radiology, Okayama Kyokuto Hospital*
- E076** FDG-PET/CT Findings of Splenic Lesions: A Pictorial Essay
Shunsuke Yuge / *Dept. of Diagnostic Radiology, Kurashiki Central Hospital*
- E077** FDG-PET/CT in Hepatic Lesions Other Than Hepatocellular Carcinoma
Yoichi Otomi / *Dept. of Radiology, Tokushima University Hospital*
- E078** Relationship between Macroscopic Findings and ¹⁸F-FDG Uptake on PET/CT in Gastrointestinal and Mesenteric Low-grade Malignant Lymphoma
Takaharu Tsuda / *Dept. of Radiology, Ehime University Graduate School of Medicine*
- E079** PET Imaging of the Adrenal Glands
Yoshitaka Toyama / *Dept. of Diagnostic Radiology, Tohoku University School of Medicine.*
- E080** Present and Future Role of FDG-PET/CT Imaging in the Management of Breast Carcinoma
Kazuhiro Kitajima / *Division of Nuclear Medicine and PET Center, Department of Radiology, Hyogo College of Medicine*
- E081** Pictorial Essay of Diffuse or Multiple Focal Abnormal Uptakes on Bone Scintigraphy with Tc-99m Labeled Diphosphonate
Mana Ishibashi / *Division of Radiology, Department of Pathophysiological and Therapeutic Science, Faculty of Medicine, Tottori University*
- E082** Clinical Experience of a High Sensitivity PET/CT with a New Bayesian Penalized-likelihood Reconstruction Algorithm
Takayoshi Ishimori / *Dept. of Diagnostic Imaging and Nuclear Medicine, Grad. Sch. of Medicine, Kyoto University*

-
- E083** An Utilization of High-resolution Image with Novel Algorithm for F-18 FDG PET/CT in Patients with Head and Neck Tumor
Atsutaka Okizaki / *Dept. of Radiology, Asahikawa Medical University*

Radiation oncology

- E084** Impact of Functional Imaging for Chemoradiotherapy in Patients with Head and Neck Squamous Cell Carcinoma
Munetaka Matoba / *Dept. of Radiology, Kanazawa Medical University*
- E085** Classification of Oligometastases: Oligo-recurrence and Sync-oligometastases
Yuzuru Niibe / *Dept. of Radiology, Toho University Omori Medical Center*

Vascular/Interventional

- E086** Intra-arterial Infusion Chemotherapy for Advanced Maxillary Cancer: Role of CT Angiography of Feeding Arteries
Akio Tamura / *Dept. of Radiology, Iwate Medical University School of Medicine*
- E087** A Trial of TACE Marking of HCC by Diluted Lipiodol Emulsion with Contrast Material for CT-guided RFA
Taichi Kurose / *Dept. of Diagnostic Radiology, Hiroshima Prefectural Hospital*
- E088** Endovascular Procedures for Carotid Blowout Syndrome and Fatal Tracheo-innominate Artery Fistula
Munemasa Okada / *Dept. of Radiology, Yamaguchi University Graduate School of Medicine*
- E089** Thoracic Duct Embolization for Chylothorax after Thoracic Surgery: Clinical Results and Technique
Shuji Kariya / *Dept. of Radiology, Kansai Medical University*
- E090** CT-guided Drainage for Pyogenic Spondylodiscitis and Iliopsoas Abscesses: What to Need to Know before You Start
Tomohiro Matsumoto / *Dept. Radiology, Tokai University School of Medicine*
- E091** The Usefulness of Virtual Fluoroscopic Preprocedural Planning During Interventional Radiology Procedures
Mitsuhiro Kinoshita / *Dept. of Radiology, Tokushima Unive*

Autopsy imaging/Safety

- E092** Time-course Appearances of Cerebral Decomposition on Postmortem CT
Seiji Shiotani / *Dept. of Radiology, Seirei Fuji Hospital*
- E093** Heat Hematoma: Another Epidural Hematoma Found in Severely Burned Bodies
Maiko Yoshida / *Department of Legal Medicine, Chiba University*
- E094** Safety of Indwelling Devices for MRI Use (2016)
Sae Miyashita / *Dept of Radiology, Kanazawa Medical Center*

Oral Presentation Programs

April 13 (Thu.)

15:00-15:30 (303)

1. Interventional Radiology 1: TACE 1

Hiroyuki Tajima

001 Epirubicin or Cisplatin? Which Drug Is Better for Intermediate Stage Hepatocellular Carcinoma in Microsphere TACE?

Yuko Takeguchi / Dept. of Rdaiology, Red Cross Musashino Hospital

002 Short-term Outcomes of Transarterial Chemoembolization (TACE) with CDDP-loaded HepaSpheres and Embospheres for Hepatocellular Carcinoma as a Single-Center Experience

Noboru Maeda / Dept. of Diagnostic and Interventional Radiology, Osaka International Cancer Institute

003 Transarterial Chemoembolization(TACE) of Hepatocellular Carcinoma: Comparison of Short-term Efficacy and Safety between Drug-eluting Beads TACE(DEB-TACE) and Lipiodol Emulsion TACE(cTACE)

Eiji Sugihara / Dept. of Radiology, Osaka General Medical Center

15:40-16:10 (303)

2. Interventional Radiology 2: TACE 2

Masakatsu Tsurusaki

004 Outcome of Transarterial Chemoembolization with Drug-eluting Microspheres for HCC Non-responsive to Conventional Transarterial Chemoembolization in One Institute

Tomoyo Fuji / Dept. of Radiology, Hiroshima University Hospital

005 Efficacy and Safety of Single-step Chemoembolization with Drug Eluting Beads for Unresectable Giant Hepatocellular Carcinoma Compared with Lipiodol Chemoembolization

Yohei Ikebe / Dept. of Radiology, Nagasaki University Hospital

006 Usefulness of Parenchymal Blood Volume Imaging in TACE for HCC

Masao Hamuro / Dept. of Radiology, Osaka City University Graduate School of Medicine

15:00-15:40 (304)

3. Radiation Oncology 1: Breast

Koichi Sakata

007 Time-dependent Changes of the Tumor Beds after Intra-operative Radiotherapy of the Breast Cancer

Mariko Kawamura / Dept. of Radiology, Nagoya University Hospital

008 Non-surgical Treatment with Novel Enzyme-targetingradiosensitization for Unilateral Breast Cancer in Early Stage Withoutchemotherapy

Kana Kobayashi / Dept. of Radiology, Kochi University

009 Incidental Radiation Dose to Internal Mammary Lymph Node in Tangential Breast Irradiation : Comparison of Calculation Algorism

Rumiko Kinoshita / Dept. of Radiation Oncology, Hokkaido University. Hospital

010 Acute Toxicity Evaluation of Adjuvant Hypofractionated Radiotherapy after Cryotherapy for Early Breast Cancer

Sawa Kono / Dept. of Radiationoncology, Tokyo Women's Medical University

15:50-16:30 (304)

4. Breast 1: MRI

Hiroyuki Abe

011 The Role of Abbreviated Breast DWI

Kazunori Kubota / Dept. of Diagnostic Radiology, Tokyo Medical and Dental University Hospital

012 Kinetic Volume Analysis on Dynamic Contrast-enhanced MRI of Triple Negative Breast Cancer: Association with Recurrence-free and Overall Survival

Yoko Hayashi / Dept. Radiology, Nagoya University Graduate School of Medicine

013 Suspicious Microcalcification Lesions of the Breast Detected by Mammography: Evaluation with MR Imaging

Shuichi Monzawa / Dept. of Radiology, Shinko Hospital

014 Differentiation of Breast Phylloides Tumors from Fibroadenomas Using MR Texture Analysis

Zhuo Wu / Department of Radiology, Sun Yat-Sen Memorial Hospital, Sun Yat-Sen University

15:00-15:40 (311+312)

5. Nuclear Medicine 1: Neuro 1 Yasuo Kuwabara

015 Clinical Significance of Quantitative Assessments in DaTSCAN SPECT and Neuromelanin MRI

Yumiko Kono / Dept. of Radiology, Kansai Medical University

016 Evaluation of Diffuse Decrease of 123I-ioflupane Striatal Uptake in DAT SPECT

Tatsuya Yoneyama / Divs. of Thyroid, Mattou Ishikawa Hospital

017 Relationship between Hippocampus Atrophy and Glucose Hypometabolism in the Brain Analyzed by VSRAD and Zsmap

Ikuo Odano / Sendai Medical Imaging Center

018 Measurement of Cerebral Blood Flow with O-15 Water PET/MR Study

Hidehiko Okazawa / Biomedical Imaging Research Center, University of Fukui

15:50-16:20 (311+312)

6. Nuclear Medicine 2: Neuro 2

Toshimitsu Momose

019 The Effect of Shape of Region of Interest (ROI) in Aortic Arch for Cerebral Blood Flow Quantification Using 99mTc-ECD

Binh A Dang / Department of Diagnostic Radiology and Nuclear Medicine, Gunma Graduate School of Medicine

020 Influence of Attenuation and Scatter Corrections on Quantitative Analysis of [123I] FP-CIT SPECT Brain Imaging

Tran Vu Quynh Vy / Department of Diagnostic Radiology and Nuclear Medicine, Gunma University Graduate School of Medicine

- 021** Comparison of Cortex Glucose Metabolism and H-MRS Findings in Supraventricular White Matter
Iuliia G. Khomenko / *N.P. Bechtereva Institute of the Human Brain, Russian Academy of Sciences*

April 14 (Fri.)

9:10-10:00 (303)

7. Chest 1: Tumor Shuji Adachi

- 022** Fundamental Analysis of the Retrospective Progression of GGNs of the Lung by Measuring the Difference of Averaged CT Numbers
Naoya Koizumi / *Dept. of Diagnostic Radiology, Niigata Cancer Hospital*
- 023** The Utility of Subtraction CT by Non-rigid Registration Algorithm for the Diagnosis of Pulmonary Nodules in Dual-phase Contrast-enhanced CT
Masahiro Endo / *Div. of Diagnostic Radiology, Shizuoka Cancer Center*
- 024** Accuracy of Clinical Staging for Lung Cancer by MDCT and FDG-PET/CT
Shingo Iwano / *Dept. of Radiology, Nagoya University Graduate School of Medicine*
- 025** Prediction of Locoregional Invasiveness in Primary Lung Cancer Using Enhanced Dual-energy CT: Comparison of Adenocarcinoma and Squamous Cell Carcinoma
Shingo Iwano / *Dept. of Radiology, Nagoya University Graduate School of Medicine*
- 026** A Multicenter Study for Lung Adenocarcinoma: Correlation of Thin-section CT Findings with Tumor Invasiveness
Masahiro Yanagawa / *Dept. Radiology, Osaka University Graduate School of Medicine*

10:10-10:50 (303)

8. Chest 2: Diffuse lung disease Fumikazu Sakai

- 027** Rib Pitting Sign on the Surface of Three-dimensional CT Images of the Lung for Supporting the Diagnosis of Interstitial Pneumonia
Hiroaki Watanabe / *Dept. Radiology, Yamanashi University Graduate School of Medicine*
- 028** CT Findings of Pulmonary *Mycobacterium Kansasii* Infection in Patients with AIDS Compared to Those in Non-HIV Patients
Yuriko Yoshida / *Dept. Radiology, Osaka National Hospital*
- 029** Pleuroparenchymal Fibroelastosis on Chest CT in Daily Clinical Practice
Hiromitsu Sumikawa / *Dept. of Radiology, Osaka Medical Center for Cancer and Cardiovascular Diseases*
- 030** Diagnosis of Early Pneumoconiosis in Dust-exposed Workers: Comparison of Chest Radiography and CT
Hideyuki Hayashi / *Dept. of Cli. Onc., Nagasaki Univ.*

11:00-11:30 (303)

9. Chest 3: Mediastinum, others Shuji Sakai

- 031** CT Features of Thymic Epithelial Tumors: Correlation with New WHO Histologic Classification and TNM Staging Systems
Akiko Sumi / *Dept. of Radiology, Kurume University School of Medicine*

- 032** Mobile Chest X-Ray Film Audit- A Four Sided View
Anitha L. Thalluri / *Department of Radiology, Royal Adelaide Hospital*

- 033** Role of Computed Tomography in Evaluation of Pulmonary Cavitatory Lesions
Sunil Kumar Suganchand Rikabchand / *Department of radiology, Sree Balaji Medical College and Hospital*

9:50-10:40 (304)

10. Breast 2: Miscellaneous Hiroko Satake

- 034** Diagnostic Performances of US Elastography in Breast Masses: Comparison between Shear-wave and Strain Elastography
Tomoyuki Fujioka / *Dept. of Radiology, Tokyo Medical and Dental University*
- 035** Deformation of Breast Masses Due to Posture: Comparison between Ultrasound and Magnetic Resonance Imaging
Mariko Yoshida / *Dept. of Radiology, Kyoto Prefectural University Graduate School of Medicine*
- 036** Diagnostic Accuracy of Digital Breast Tomosynthesis Added to Mammography in Breast Cancer Screening
Misaki Shiraiwa / *Breast Center, Kagawa Prefectural Central Hosp.*
- 037** Evaluation of Diffusion Weighted MRI Imaging and 18F FDG PET for Monitoring Triple Negative Breast Cancer Response to Cisplatin Treatment
Huong Thu Nguyen / *Department of Diagnostic Imaging and Nuclear Medicine, Gunma university*
- 038** Preoperative Tumor Size Assessment by Mammography and Ultrasound: Do Breast Density and Histology Type Affect the Accuracy?
Joyce Hei Man Cheng / *Department of Radiology, Pamela Youde Nethersole Eastern Hospital, Hong Kong*

11:10-11:50 (304)

11. Liver 1: HCC Satoshi Kobayashi

- 039** Carbon Dioxide Gas Digital Subtraction Angiography Under Temporary Microballoon Occlusion before Transcatheter Arterial Chemoembolization for Hepatocellular Carcinoma
Jun Koizumi / *Dept. of Diagnostic Radiology, Tokai University School of Medicine*
- 040** The Steatohepatic Variant of Hepatocellular Carcinoma: Radiologic-Pathologic Correlation
Yukichi Tanahashi / *Dept. of Radiology, Teikyo University School of Medicine*
- 041** Histogram Analysis of Iodine Density Assessed by Dual-energy Imaging for Predicting Hepatocellular Carcinoma Recurrence after Transcatheter Arterial Chemoembolization
Tomoko Hyodo / *Dept. Radiology, Kindai University Faculty of Medicine*
- 042** Cost-effectiveness of EOB- MRI for Hepatocellular Carcinoma in Japan
Akihiro Nishie / *Department of Clinical Radiology, Kyushu University*

15:10-15:50 (304)

12. Liver 2: Liver parenchyma Shinji Hirohashi

- 043** Risk Assessment for Hepatocellular Carcinoma by Using Magnetic Resonance Elastography During Follow-up
Shintaro Ichikawa / *Dept. of Radiology, University of Yamanashi*
- 044** Diagnosis of Liver Cirrhosis Using Morphological Score Derived from Magnetic Resonance Laparoscopy
Satoshi Funayama / *Dept. of Radiology, University of Yamanashi*
- 045** ECV Calculated from the Data Sets of the Equilibrium Phase of Dual-energy CT in Liver Fibrosis Assessment: Comparison with MRE
Emi Muto / *Dept. of Radiology, Faculty of Medicine, Fukuoka University*
- 046** The Quantitative Assessment of Liver Function by EOB-MRI: Combination of Hepatocyte Fraction and Volumetry of Liver
Morikatsu Yoshida / *Dept. Radiology, Amakusa Medical Center*

16:00-16:50 (304)

13. Liver 3: Miscellaneous Akira Yamada

- 047** Clinical Application of MSCTA in Diagnosing Congenital Intrahepatic Portosystemic Venous Shunts
Meng Wang / *Department of Radiology, The First Affiliated Hospital, Sun Yat-Sen University*
- 048** The Severe Hepatic Arterial-portal Shunts Are Crucial for the Graft after Liver Transplantation: The Imaging Findings and Clinical Manifestations
Xiaochun Meng / *Department of Radiology, The Sixth Affiliated Hospital of Sun Yat-sen University*
- 049** Quantitative Gd-EOB-DTPA Concentration Using T1 Mapping and Relative Signal Strength: A Phantom Study
Zhenpeng Peng / *Department of Radiology, The First Affiliated Hospital of Sun Yat-Sen University*
- 050** The Feasibility of Spectral CT for Monitoring and Predicting the Therapeutic Efficacy of Axitinib in Rabbit VX2 Liver Tumors
Peijie Lu / *The First Affiliated Hospital of Zhengzhou University*
- 051** Dynamic Contrast Gd-EOB-DTPA Enhanced MR Imaging of the Liver Using Parallel Imaging and Compressed Sensing
Takayuki Masui / *Dept. of Radiology, Seirei Hamamatsu General Hospital*

17:00-17:40 (304)

14. Liver 4: Assessment of liver lesions Akihiro Nishie

- 052** Usefulness of Three-dimensional Isotropic T2-weighted Fast Spin-echo for Small Liver Lesions
Kenichiro Hirata / *Diagnostic Radiology, Kumamoto University*
- 053** Hepatic Epithelioid Angiomyolipoma MSCT Findings
Meng Wang / *Department of Radiology, The First Affiliated Hospital, Sun Yat-Sen University*
- 054** The Diagnostic Value of T1 Mapping in Focal Liver Lesions Differentiation
Chang Li / *Department of Radiology, The First Affiliated Hospital, Sun Yat-sen University*

- 055** Significance of Gadoteric Acid Enhanced-MRI for Liver Metastases in Addition to Contrast-enhanced CT
Takeyuki Watadani / *Dept. of Radiology, Univ. of Tokyo Graduate School of Medicine*

9:10-9:50 (311+312)

15. IT · Education Kazuto Ashizawa

- 056** Management of Images and Records Acquired in the Operation Theatre by Enterprise PACS
Hiroshi Demachi / *Department of Diagnostic Radiology, Toyama Prefectural Central Hospital*
- 057** The Impact of Cloud Technologies for Regional Sharing PACS
Hiroshi Kondoh / *Div. Medical Informatics*
- 058** The Current State of Medical Physics Education Course
Kumiko Karasawa / *Dept. of Radiation Oncology, Tokyo Women's Medical University*
- 059** Enhancing Students' Professional Knowledge, Skills and Learning Experience by Providing a Learning Environment That Fosters Cross-disciplinary Understanding and Authentic Pedagogy
Jyothi Thalluri / *Division of Health Sciences, University of South Australia*

10:00-10:40 (311+312)

16. Nuclear Medicine 3: PET · Inflammation Koji Murakami

- 060** Evaluation of 18F-FDG Uptake Pattern in Rheumatoid Arthritis (RA) and Non-rheumatoid Arthritis (non-RA)
Anu Bhattarai / *Diagnostic Radiology And Nuclear Medicine, Gunma University Graduate School Of Medicine*
- 061** TAFRO Syndrome and Castleman Disease Evaluated with FDG-PET Imaging
Kento Nakajima / *Dept. of Radiology, Kanazawa Medical University*
- 062** F-18 FDG PET/CT in the Evaluation of IgG4-related Disease before and after Therapy
Hanae Okuda / *Department of Radiology, Faculty of Medicine, Kagawa University*
- 063** Prevalence and Risk Evaluation of Diverticular Disease in the Sigmoid Colon with F-18 FDG PET/CT Physical Checkup
Kohei Hayashida / *Takeda Oncologic Positron Imaging Center*

10:50-11:30 (311+312)

17. Nuclear Medicine 4: RI therapy Seigo Kinuya

- 064** Utility of I-123 Tracer Study before I-131 Radioactive Iodine Therapy for Papillary Thyroid Carcinoma to Predict Treatment Outcome
Yoshie Omiya / *Dept. of Radiology, University of Yamanashi*
- 065** Basic Study to Evaluate DNA Damage and Cell Survival with α -Particles from Astatine-211
Naoyuki Watanabe / *Gunma Prefectural Institute of Public Health and Environmental Sciences*
- 066** Therapeutic Effect of ^{90}Y -DTPA-Bevacizumab Radioimmunotherapy (RIT) in Breast Cancer Xenograft
Ryan Yudistiro / *Department of Diagnostic Radiology and Nuclear Medicine, Gunma University*

- 067** A Tc-99m and Fluorescence Labeled Arginine-Arginine-Leucine-containing Peptide: Multimodal Tumor Imaging Agent in a Murine Tumor Model
Dae-weung Kim / *Department of Nuclear Medicine, Institute of Wonkwang Medical Science and Research Unit of Molecular Imaging Agent (RUMIA), Wonkwang University School of Medicine*

15:10-16:00 (313+314)

18. Interventional Radiology 3: CT guided

Hideo Gobara

- 068** Comprehensive Understanding of Clinical Performance of Percutaneous Needle Biopsy of Lung Lesion: Meta-analytical Evaluation Using a 3-by-3 Table
Soon Ho Yoon / *Department of Radiology, Seoul National University College of Medicine*
- 069** The Impact of Pulmonary Emphysema on Preoperative CT-guided Lipiodol Marking for VATS of Small Lung Nodules or Ground-glass Opacity Lesions
Shinsaku Maeda / *Dept. of Radiology, Nara city Hospital*
- 070** Direct MPR Method Under CT Fluoroscopy-guided Biopsy for Intrathoracic Lesions
Masahiro Endo / *Div. of Diagnostic Radiology, Shizuoka Cancer Center*
- 071** Hybrid DynaCT-guided Hookwire Localisation of Pulmonary Lesions Prior to Surgical Resection in the Same Hybrid Operating Theater
Cheuk Man Chu / *Department of Imaging and Interventional Radiology, The Chinese University of Hong Kong*
- 072** Robot-assisted Navigation System for CT-guided Percutaneous Lung Tumor Procedures
Cheuk Man Chu / *Department of Imaging and Interventional Radiology, The Chinese University of Hong Kong*

16:10-16:40 (313+314)

19. Interventional Radiology 4: US guided

Yusuke Sakuhara

- 073** Prospective Randomized Comparison of Ultrasound Guided Percutaneous Needle Aspiration and Catheter Drainage of Liver Abscesses
Paramdeep Singh / *Department of Radiology, Guru Gobind Singh (GGS) Medical College and Hospital, Baba Farid University of Health Sciences*
- 074** Percutaneous Hepatic Fiducial Marker Implantation for Real-time Tumor-tracking Radiotherapy (RTRT)
Ryo Morita / *Department of Diagnostic and Interventional Radiology*
- 075** Transrectal Ultrasound-guided Prostate Fiducial Marker Placement for Image-guided Radiotherapy in Prostate Cancer: Safety and Efficacy from a Single Centre Experience
Cheuk Man Chu / *Department of Imaging and Interventional Radiology, The Chinese University of Hong Kong*

9:10-9:50 (315)

20. Uroradiology 1: PET (Inflammation)

Takuji Araki

- 076** Anatomical Variations of the Right Adrenal Vein: Concordance between Multidetector Computed Tomography and Catheter Venography
Kensuke Omura / *Dept. of Diagnostic Radiology, Tohoku University Hospital*

- 077** Right Adrenal Vein: Comparison between Adaptive Statistical Iterative Reconstruction and Model-based Iterative Reconstruction
Yoshifumi Noda / *Dept. of Radiology, Gifu University*

- 078** Visualization of Right Adrenal Vein: Comparison with Three Phase Dynamic Contrast-enhanced CT
Yoshifumi Noda / *Dept. of Radiology, Gifu University*

- 079** Feasibility of the Dynamic Contrast-enhanced MR Study Using Compressed Sensing and Parallel Imaging for the Renal Artery at 3T MRI
Kazuma Terauchi / *Dept. of Radiology, Tesseikai Neurosurgery Hospital*

10:00-10:30 (315)

21. Uroradiology 2: Miscellaneous Yasushi Kaji

- 080** Ultrasound Usefulness in Diagnosis of Scrotal Filariasis: Filarial Dance Sign
Pokhraj P Suthar / *Department of Radiology, Sterling Hospital*
- 081** Four-dimension Dynamic Imaging by 640-slice Multidetector CT for the Diagnosis of Urine Flow Related Diseases: A Preliminary Study
Jian Guan / *Department of Medical Imaging, the First Affiliated Hospital of Sun Yat-Sen University*
- 082** Comparison between Standard Diffusion-weighted Imaging and Diffusion Kurtosis Imaging for Detection and Characterization of Prostate Cancer
Tsutomu Tamada / *Dept. of Radiology, Kawasaki Medical School*

10:40-11:40 (315)

22. Uroradiology 3: Tumor

Takehiko Gokan

- 083** Development and Validation of Logistic Regression Model at Multi-parametric Prostate MRI to Distinguish Transition Zone Cancers and Benign Prostatic Hyperplasia
Yuji Iyama / *Dept. Radiology, Kumamoto University Graduate School of Medicine*
- 084** Comparison of Diagnostic Performance of DW-MRI and CTU for Upper Tract Urothelial Carcinoma: Is Adding DW-MRI to CTU Clinically Useful?
Hirotaaka Akita / *Dept. of Diagnostic Keio University School of Medicine*
- 085** The CT and MRI Findings of Renal Oncocytoma with Pathological Correlation
Nobukata Kazawa / *Dept. of Radiology, Nagoya City University School of Medicine*
- 086** Is There Any Metastases to the Chest in Patients with Non-invasive Bladder Cancer?
Hiroshi Juri / *Dept. of Radiology, Osaka Medical College*
- 087** Bladder Carcinomas with Cysts Formation; Correlation between Radiologic Findings and Histologic Backgrounds
Etsuro Sakata / *Dept. of Diagnostic radiology, Kurashiki central hospital*
- 088** Fat Quantification of Adrenal Masses Using 3D 6-point Dixon MR Imaging: Intermodality Agreement and Interobserver Reproducibility Study
Norihiro Shinkawa / *Department of Radiology, Faculty of Medicine, University of Miyazaki*

15:10-16:20 (315)

23. Cardiovascular 1: Coronary A and muocardium
Hajime Sakuma

- 089** Clinical Value of Myocardial T1, Comparing between SMART1map and MOLLI
Shigeo Okuda / *Dep. of Diagnostic Radiology, Keio University School of Medicine*
- 090** Assessment of Coronary Flow Velocity Reserve Using Phase-contrast Cine MRI: Comparison with Myocardial Perfusion Reserve Determined by Positron Emission Tomography
Yasutaka Ichikawa / *Department of Radiology, Mie University Hospital*
- 091** Improved Coronary Stent Depiction Using Forward Projected Model-based Iterative Reconstruction Solution (FIRST)
Eriko Maeda / *Dept of Radiology, University of Tokyo School of Medicine*
- 092** Anatomical Evaluation of Left Atrium and Pulmonary Vein Using CT Prior to Catheter Ablation in Patients with Atrial Fibrillation
Yasukage Takami / *Dept. of Radiology, Faculty of Medicine, Kagawa University*
- 093** Evaluation of Delayed Contrast-enhancement CT with Iterative Model-based Reconstruction in Cardiac Sarcoidosis: Comparison with MRI
Noriko Oyama-manabe / *Dept. of Radiology, Hokkaido University Hospital*
- 094** Detection of Myocardial Ischemia Using Coronary Flow Imaging with 320-detector CT: Comparison of 13N Ammonia PET
Yuka Matsuo / *Dept. of Diagnostic imaging & Nuclear Medicine, Tokyo Women's Medical University*
- 095** Effects of Undersampling on Quantitative Parameters in Dynamic Myocardial CT Perfusion Imaging: Comparison between Deconvolution and Maximum-slope Method
Takahiro Yokoi / *Dept. of Radiology, Ehime University School of Medicine*

16:30-17:20 (315)

24. Cardiovascular 2: Miscellaneous Kei Takase

- 096** Dissection of the Superior Mesenteric Artery: CT Findings, Treatment, and Natural History
Rika Yoshida / *Dept. of Radiology, Shimane University, Faculty of Medicine*
- 097** Low-tube-voltage CT Assessment of Adamkiewicz Artery
Yoshihiro Kubota / *Dept. of Radiology, Chiba University Hospital*
- 098** Stent-graft Displacement in Aneurysms by Typell Endoleaks after EVAR: The Primary Blood Supply Comparison between the IMA and Lumbar Artery
Hirotaka Tomimatsu / *Dept. of Radiology, Tenri Hospital*
- 099** The Effective Dose Estimation for Coronary CT Including Coronary Angiography on Two Different Scanners Using Size-specific Dose Estimation
Yoko Saito / *Dept. of Radiation Science, Hirosaki Univ. School of Health Sciences*
- 100** Prediction of Fontan-associated Liver Disease Using a Novel Cine MRI "vortex Flow Map" in the Right Atrium
Umiko Ishizaki / *Dept. of Diagnostic imaging and Nuclear Medicine, Tokyo Women's Medical University*

April 15 (Sat.)

15:50-16:20 (302)

25. Head and Neck 1 Osamu Sakai

- 101** Computed Diffusion Weighted Imaging with Noise Reduction: Improvement of Contrast-to-noise Ratio in Middle Ear Cholesteatoma
Koji Yamashita / *Department of Clinical Radiology, Kyushu University*
- 102** Preoperative Tc -99m Sestamibi SPECT/CT Imaging Prior to Ultrasound to Facilitate Minimally Invasive Surgery in Patients with Primary Hyperparathyroidism
Priya Krishnarao / *Santa Clara Valley Medical Center, Department of Radiology*
- 103** A Novel Parameter to Evaluate Thyroid Function with Dual Energy Computed Tomography in Patients with Hyperthyroidism
Binh Duong Duc / *Department of Diagnostic Radiology and Nuclear Medicine, Gunma University, School of Medicine, Faculty of Medicine*

13:00-13:40 (303)

26. Chest 4: Blood flow and anatomy
Shuichi Ono

- 104** Ventilation/perfusion Ratio Map by Dual-energy CT after Xenon Inhalation and Intravenous Contrast Media in Patients with Lobectomy
Norinari Honda / *Department of Radiology, Saitama Medical Center, Saitama Medical University*
- 105** 2D-TSE Sequence with Incremental Trigger Delay Time for Monitoring Vascular Signal Suppression in PPU-gated Black-blood Lung MR Imaging
Ryotaro Kamei / *Dept. of Clinical Radiology, Kyushu University Graduate School of Medical Sciences*
- 106** Evaluation of the Branching Pattern of the Right Upper Pulmonary Veins Using Thin-section CT and Three-dimensional CT
Makiko Murota / *Dept. of Radiology, Faculty of Medicine, Kagawa University*
- 107** Evaluation of the Branching Pattern of the Right Middle and Lower Pulmonary Veins Using Thin-section CT and Three-dimensional CT
Mariko Ishimura / *Dept. of Radiology, Faculty of Medicine, Kagawa University*

13:50-14:40 (303)

27. Chest 5: Low-dose CT Satoshi Noma

- 108** Association of Smoking and Airflow Limitation with Pleural Movement and Parenchymal Collapsibility Assessed by 4D-ULDCT in Supine and Lateral Position
Yukihiro Nagatani / *Dept. of Radiology, Shiga University of Medical Science*
- 109** Pleural Movement Against Chest Wall in Pulmonary Apical Region and Its Association with Ventilation at Supine/Lateral Position Assessed by 4D-ULDCT
Shigetaka Sato / *Dept. of Radiology, Shiga University of Medical Science*
- 110** Submillisievert CT Using New Model-based Iterative Reconstruction with Lung-specific Setting for the Evaluation of Interstitial Lung Disease
Akinori Hata / *Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine*

111 Evaluation of Silicosis Diagnosability Using Ultra-low Dose CT
Katsuya Kato / *Kawasaki Medical Center*

112 Evaluation of the Image Quality of Low-dose Chest HRCT with MBIR : Comparison with Standard-dose Chest HRCT with Hybrid IR
Hiroaki Sakane / *Dept. of Radiology, Hiroshima University School of Medicine*

15:10-15:40 (303)

28. Pediatric 1: Heart and lung Masashi Koyama

113 Comparison of Image Quality between Synthetic and Patients' ECG Gated 320-row Pediatric Cardiac CT
Eriko Maeda / *Dept. of Radiology, University of Tokyo, School of Medicine*

114 Proton-weighted Pointwise Encoding Time Reduction with Radial Acquisition (PETRA) for Assessing the Airway and Lung in Neonates and Infants
Kumiko Nozawa / *Dept. of Radiology, Kanagawa Children's Medical Center*

115 Evaluation of Low-kV Dual-source CT Angiography for Children with Congenital Heart Disease Using High-pitch Spiral Acquisition and Iterative Reconstruction
Yohei Marukawa / *Dept. Radiology, Fukuyama City Hospital*

15:50-16:30 (303)

29. Pediatric 2: Neuro Reiichi Ishikura

116 Pontine and Cerebellar Injury in Neonatal Hypoxic-ischemic Encephalopathy: MRI Features and Clinical Outcome
Katsumi Hayakawa / *Department of Radiology, Iwate Prefectural Kamaishi Hospital*

117 Imaging Findings of Congenital Cytomegalovirus Infection with Hearing Loss
Shinya Hattori / *Div. of Radiology, Saitama Children's Medical Center*

118 Changes of Brain Magnetic Resonance Imaging in Patients with Mucopolysaccharidoses Under Enzyme Replacement Therapy During Long-term Observation
Yoshiko Matsubara / *Dept. of Radiology, Hiroshima University Hosp.*

119 Radiation Dose Reduction for Adolescents Head CT Using 100-kVp and SAFIRE: Impact on Grey-white Matter Contrast and Image Noise
Yasunori Nagayama / *Dept. Radiology, Kumamoto University Graduate School of Medicine*

9:10-9:50 (304)

30. Gastrointestinal 1: Stomach and other
Tamaki Ichikawa

120 Risk Factors Affecting Atrophic Gastritis in Young Class Generation: A Retrospective Study Using Double-contrast Upper Gastrointestinal Barium X-Ray Radiography
Kimihiko Endo / *Dept. of Radiology, Miyazaki University School of Medicine*

121 Multi-slice CT Angiography with Image Fusion Enables to Demonstrate the Perigastric Venous Anatomy for Patients with Gastric Cancer
Xuehua Li / *Department of Radiology, The First Affiliated Hospital of Sun Yat-Sen University*

122 Low-dose Pelvic CT Using a New Reconstruction Technique - Forward Projected Model-based Iterative Reconstruction Solution (FIRST): A Phantom Study
Takashi Ota / *Dept. Radiology, Osaka University Graduate School of Medicine*

123 Rectus Abdominis Diastasis: Usefulness of MDCT for the Surgical Repair?
Gaurav R. Parmar / *Department of Radiology, Paramount Diagnostic and Reseach Center*

10:00-10:30 (304)

31. Gastrointestinal 2: PD junction and other
Syunrou Matsumoto

124 MDCT Presentation of Normal Pancreas: Individual Variations
Gaurav R. Parmar / *Department of Radiology, Paramount Diagnostic and Reseach Center*

125 CT Findings of Disease in Pancreaticobiliary Duodenal Junction Area with Missed- And Misdiagnosis Analyzing
Si Yun Huang / *Department of Radiology, The First Affiliated Hospital of Sun Yat-Sen University*

126 Optimisation of the Size Variation Threshold for CT Evaluation of Response in Advanced Gastroenteropancreatic Neuroendocrine Neoplasms Treated with Octreotide LAR
Yanji Luo / *Department of Radiology, The First Affiliated Hospital, Sun Yat-Sen University*

10:40-11:30 (304)

32. Gastrointestinal 3: Rectal cancer
Utaroh Motosugi

127 Therapeutic Efficacy Impact of Average Iodine Density Assessed by Dual-energy CT for Preoperative Treatment of Advanced Rectal Cancer
Fumiyasu Tsushima / *Dept. of Radiology, Hirosaki University School of Medicine*

128 Correlation of Hemodynamic Parameters Derived from Intravoxel Incoherent Motion (IVIM) and Perfusion CT in Rectal Cancer
Yanyan Xu / *Department of Radiology, China-Japan Friendship Hospital*

129 Dynamic Contrast-enhanced MR Imaging in Rectal Cancer: Assessment of Quantitative Perfusion Parameters Compared to Perfusion CT
Hongliang Sun / *Department of Radiology, China-Japan Friendship Hospital*

130 Performance of CT-based Texture Analysis in Predicting Tumoral Response to Neoadjuvant Chemotherapy in Locally Advanced Rectal Cancer Patients
Satoko Ishigaki / *Dept. of Radiology, Nagoya University Graduate School of Medicine*

131 A Comparison of Pseudo-continuous Arterial Spin Labeling and Permeability Imaging with Dynamic Contrast-enhanced MRI in Rectal Cancer
Yuichi Kumagae / *Dept. Radiology, Kagoshima University Graduate School of Medical and Dental Sciences*

13:00-13:40 (304)

33. Gastrointestinal 4: CT Akira Furukawa

- 132** CT Enterography Score: A Potential Predictor for Severity Assessment of Active Ulcerative Colitis
Yingmei Jia / Department of Radiology, The First Affiliated Hospital, Sun Yat-Sen University
- 133** The Value of CT Enterography in Evaluation Treatment-effect in Crohn's Disease
Mengjie Jiang / Department of Radiology, The First Affiliated Hospital, Sun Yat-Sen University
- 134** CT Enterography Can Predict the Surgery-bowels before Surgery in Crohn's Disease
Mengjie Jiang / Department of Radiology, The First Affiliated Hospital, Sun Yat-Sen University
- 135** CT Enterography Score Can Assess the Possibility of Reoperation in Crohn's Disease
Mengjie Jiang / Department of Radiology, The First Affiliated Hospital, Sun Yat-Sen University

13:50-14:40 (304)

34. Gastrointestinal 5: MRI Taro Takahara

- 136** Characterization of Perfusivity and Diffusivity from Intravoxel Incoherent Motion in Crohn's Disease
Meng-chen Zhang / Department of Radiology, The First Affiliated Hospital of Sun Yat-Sen University
- 137** Application of Diffusion Kurtosis Imaging to Bowel Fibrosis Analysis in Crohn's Disease: Correlation with Surgical Histopathology
Li Huang / Department of Radiology, The First Affiliated Hospital of Sun Yat-Sen University
- 138** Diffusion Kurtosis MR Imaging for Evaluating Inflammatory Activity in Crohn's Disease: Is It Superior to Conventional Diffusion-weighted MRI?
Li Huang / Department of Radiology, The First Affiliated Hospital of Sun Yat-Sen University
- 139** Diffusion-weighted MRI Enables to Accurately Grade Inflammatory Activity in Patients of Ileocolonic Crohn's Disease: Results from an Observational Study
Xuehua Li / Department of Radiology, The First Affiliated Hospital of Sun Yat-Sen University
- 140** Assessment of Intestinal Fibrosis in Crohn's Disease: Utility of MR T2* mapping Without Gadolinium Injection
Si Yun Huang / Department of Radiology, The First Affiliated Hospital of Sun Yat-Sen University

15:10-15:50 (304)

35. Radiation Oncology 2: Chest 1 Kazushige Hayakawa

- 141** A Preliminary Result of Computer-aided Radiotherapy Planning System Using Previous Approximate Cases for Stereotactic Body Radiotherapy
Tadamasa Yoshitake / Dept. of Comprehensive Clinical Oncology, Graduate School of Medical Sciences, Kyushu Univ.
- 142** Comparison the Outcome Among the Different Fractionated Radiation Schedule of SBRT for the Lung Cancer
Atsushi Ohta / Dept. of Radiology and Radiation Oncology, Niigata University Graduate School of Medical and Dental Sciences

- 143** Effects of Electrical Muscle Stimulation Against Acute Adverse Effect During Lung Cancer Chemo-radiotherapy
Anneyuko Saito / Dep. of Radiology, Juntendo University School of Medicine

- 144** Lung Stereotactic Radiotherapy for Centrally-located Lung Tumors
Shuri Aoki / Dept. of Radiology, University of Tokyo Hospital

16:00-16:40 (304)

36. Radiation Oncology 3: Chest 2 Ryoichi Yoshimura

- 145** Pulmonary Toxicity after Robotic Radiosurgery System and Linear Accelerator Based Stereotactic Body Radiation Therapy (SBRT) for Lung Tumors
Kazunari Miyazawa / Dept. of Radiation Oncology, Saitama Univ. International Center
- 146** Measurement of Exhaled Nitric Oxide and Serum Surfactant Protein D Levels for Monitoring Radiation Pneumonitis after Thoracic Radiotherapy
Hideya Yamazaki / Dept. of Radiology, Kyoto Pref. Medical School
- 147** Is Carcinoembryonic Antigen (CEA) a Prognostic Factor for Stage I Non-small Cell Lung Cancer Patients Treated with Stereotactic Body Radiotherapy?
Takashi Shintani / Department of Radiation Oncology and Image-applied Therapy, Kyoto University
- 148** Concurrent Chemoradiation Therapy for Limited Small Cell Lung Cancer: Our Experience
Kazuma Iwashita / Dept. of Radiology, Tenri Hospital

9:10-10:10 (311+312)

37. MSK Takatoshi Aoki

- 149** Feasibility of Simultaneous Display of Ultrasound/MR Imaging for Hip Joint
Kayu Takezawa / Dept. of Radiology, Saitama Medical University Hospital
- 150** Improved Detection of Bone Metastases by Using a Temporal Subtraction Technique Based on Large Deformation Diffeomorphic Metric Mapping in CT
Mitsuteru Tsuchiya / Dept. Radiology, Seirei General Hospital
- 151** Bone Metastases from Head & Neck Squamous Cell Carcinoma (HNSCC). Usage of Whole Body MRI (WB-MRI), FDG-PET and CT
Katsuyuki Nakanishi / Dept. Diagnostic Radiology, Osaka Medical Ctr. for Cancer and Cardiovascular Disease
- 152** Comparison of 3D Isotropic Fast Spin-echo and Conventional 2D Shoulder MRI for the Evaluation of Rotator Cuff
Saya Horiuchi / Dept. of Radiology, St. Lukes International Hospital
- 153** Comparison of Temporal CT Subtraction and Bone Scintigraphy Images in Detection of Bone Metastasis
Koji Onoue / Department of Diagnostic Imaging and Nuclear Medicine, Kyoto University Graduate School of Medicine
- 154** New Image Analysis of Bone Erosion for Patients with Rheumatoid Arthritis: A Study by HR-pQCT
Ko Chiba / Dept. of Orthopedic Surgery, Nagasaki University Hospital

11:10- 11:50 (311+312)

38. Abdomen 1: CE-CT · MRI Tsutomu Tamada

155 Preliminary Investigation of Quantitative Susceptibility Mapping in the Upper Abdomen

Taisuke Harada / *Department of Diagnostic and Interventional Radiology, Hokkaido University*

156 Quantitative Prediction of Contrast-enhancement Phases in Abdominal Dynamic Contrast-enhanced CT Using Morphologic Prediction Factors on Pre-contrast CT: A Validation Study

Akira Yamada / *Dept. of Radiology, Shinshu University School of Medicine*

157 Quantitative and Versatile Prediction of the Best Scan Timing in Dynamic Contrast-enhanced CT Using Morphologic Prediction Factors on Pre-contrast CT

Mana Nakamura / *Dept. of Radiology, Shinsyu University School of Medicine*

158 Comparison of Contrast and Image Quality between Gadovist and Other Extracellular Gadolinium-based Contrast Media Enhanced MRI Using Normalized Administration Amount

Hiroshi Ikeno / *Dept. Radiology, Kanazawa University Hospital*

15:10- 15:40 (311+312)

39. Emergency and others Masaaki Akahane

159 Imaging Spectrum of Gunshot and Stabbing Injuries at a Level One Trauma Center

Jeffrey Dorr / *Department of Radiology, Santa Clara Valley Medical Center*

160 Dengue Fever: Utility of Sonography in the Diagnosis and Assessment

Pokhraj P. Suthar / *Department of Radiology, Sterling Hospital*

161 Gadolinium Retention in the Pups after Maternal Administration

Khongorzul Erdene / *Diagnostic Radiology and Nuclear Medicine, Gunma University*

15:50- 16:20 (311+312)

40. Autopsy Imaging Haruo Saito

162 Estimation of Heart Weight by Comparison of Postmortem Computed Tomography (PMCT) and Autopsy Data

Rei Ogawa / *Dept. of Radiology, Niigata University School of Medicine*

163 An Experimental Evaluation of Intermittent Breezing in Drowning Lung Appearance on Postmortem CT

Hideki Hyodoh / *Center for Cause of Death Investigation, Hokkaido Univ. Graduate School of Medicine*

164 Dual-kVps Technique Can Detect Ischemic Heart Disease in Post-mortem CT

Akitoshi Saito / *Dept of Radiology, Yamanashi Prefectural Central Hospital*

13:00- 13:30 (313+314)

41. Interventional Radiology 5: Veins Shunichi Sadaoka

165 The Innovation of Transcatheter Adhesive Treatment for Incompetent Great Saphenous Veins Using NBCA in Japan

Rie Yagi / *Edogawa Hospital Vein Center*

166 Ultrasound-assisted Procedure Decreases the Incidence of Procedure-related Complications During Percutaneous Transluminal Angioplasty for Insufficient Dialysis Access

Emiko Chiba / *Dept of Radiology, Saitama Medical Center, Jichi Medical University*

167 Relationship between Catheter Shapes and Right Adrenal Vein Anatomy for Successful Right Adrenal Venous Sampling - Second Report

Takuji Arakai / *Dept. of Radiology, University of Yamanashi School of Medicine*

13:40- 14:20 (313+314)

42. Interventional Radiology 6: Large and small vessel Masato Yamaguchi

168 Usefulness of Cone-beam CT Immediately after Endovascular Aneurysm Repair (EVAR) for Detecting Limb Stenosis

Makiyo Hagihara / *Dept. of Radiology, Aichi Medical University*

169 Evaluation of 3D Roadmap Using CT During Aortography for Endovascular Abdominal Aortic Aneurysm Repair in Hybrid Operation Rooms

Akira Ikoma / *Dept. of Radiology, Wakayama medical University*

170 Ruptured Type B Aortic Dissection: CT Findings and Outcome

Tetsuhiro Otsuka / *Dept. of Radiology, Nagasaki University Hospital*

171 Efficacy of Self Expanding Stents for Recanalization of Lower Extremity Peripheral Arterial Disease: Experience in the Veterans Affairs Population

Shota Yamamoto / *University of California Los Angeles (UCLA)*

14:30- 15:10 (313+314)

43. Interventional Radiology 7: Oncologic Hidefumi Mimura

172 Percutaneous Cryoablation for Renal Masses: A Single Center Initial Experience

Shintaro Kimura / *Dept. or diagnostic and interventional radiology, Gunma university hospital*

173 Ablation Therapy for Renal Cell Carcinoma in Patients with Birt-Hogg-Dubé Syndrome: A Retrospective Review

Yusuke Matsui / *Dept. of Radiology, Okayama University Medical School*

174 Therapeutic Results of Intraarterial Chemoradiotherapy for Advanced Oropharyngeal Cancer: Initial Experience

Joichi Heianna / *Dept. of Radiology, University of the Ryukyus Graduate School of Medical Science*

175 The Validation of Double Balloon-occluded Arterial Infusion Therapy for Invasive Bladder Cancer

Kiyohito Yamamoto / *Dept. of Radiology, Osaka Medical College*

10:10- 10:50 (315)

44. Obstetrics/Gynecology 1 Aki Kido

176 Pattern Recognition of Endometrial Lesions in Postmenopausal Women

Ritwika Kaushik / *Msm Hospital, Kota, Rajasthan*

177 Role of Transcerebellar Diameter in Determining Gestational Age by Ultrasonography in Third Trimester

Pokhraj P Suthar / *Department of Radiology, Sterling Hospital*

178 Correlation of Placental Thickness to the USG Evaluation of Gestational Age
Pohraj P Suthar / *Department of Radiology, Sterling Hospital*

179 Mullerian Duct Anomalies with Ovarian Maldescent and Elongation: Series of Five Cases with Review of Literature
Kewal A. Mistry / *Department of Radiology, Synergy Institute of Medical Sciences*

11:00-11:50 (315)

45. Obstetrics/Gynecology 2 Shinya Fujii

180 A Review of MR Images of Pregnant Patients in First Trimester
Motoyuki Katayama / *Dept. of Radiology, Seirei Hamamatsu General Hospital*

181 Uterine Cervical Adenocarcinoma Associated with Lobular Endocervical Glandular Hyperplasia: Radiologic-pathologic Correlation
Ayumi Ohya / *Dept. of Radiology, Shinshu University School of Medicine*

182 Longitudinal Changes in Magnetic Resonance Imaging of Malignant Ovarian Tumors Associated with Ovarian Endometriotic Cysts
Naoko Nishio / *Dept. of Diagnostic Imaging and Nuclear Medicine, Kyoto University Graduate School of Medicine*

183 Logistic Regression Model with Multi-parametric MRI to Distinguish Uterine Sarcoma and Benign Leiomyoma: Comparison with 18F-FDG PET/CT
Masataka Nakagawa / *Dept. of Radiology, Kumamoto University School of Medicine*

184 Clinico-radiological Features of Secondary Postpartum Hemorrhage
Masafumi Toguchi / *Dept. Radiology, Toguchi University School of Medicine*

13:00-13:50 (315)

46. Neuroradiology 1: Tumor Takashi Yoshiura

185 Automatic Segmentation of Diffuse Gliomas in the TCGA-LGG Dataset Reveal Correlation with Biologically Distinct Molecular Subsets
Shota Yamamoto / *University of California Los Angeles (UCLA)*

186 Hyperintensity on Arterial Spin Labeling Images Outside Contrast-enhanced Area in Gliomas Is Related to Tumor Histology and Prognosis
Takashi Abe / *Dept. of Radiology, Tokushima University School of Medicine*

187 Simultaneous PH- And Oxygen-Weighted Metabolic MRI of Human Gliomas Demonstrates Intratumoral Metabolic Heterogeneity
Takashi Abe / *Dept. of Radiology, UCLA School of Medicine*

188 Relationship between Tumor Cell Invasion, Motility, and Proliferation Level Estimates (CIMPLE Maps) and ¹⁸F-Fluorodopa (FDOPA) PET in Low Grade Gliomas
Takashi Abe / *Dept. of Radiology, UCLA School of Medicine*

189 Differential Diagnosis between HGG and Lymphoma by Consecutive Acquisition Methods (DCE-MRDSA-DSC) by Using a 1.0-M Gadolinium-based Contrast Agent
Miho Gomyo / *Dept. of Radiology, Kyorin University Faculty of Medicine*

14:00-14:30 (315)

47. Neuroradiology 2: Blood flow Kazuhiro Tsuchiya

190 Evaluation of Intravoxel Incoherent Motion in Pituitary Adenoma Using Turbo Spin-echo Diffusion-weighted Imaging
Kiyohisa Kamimura / *Dept. of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences*

191 Assessment of Extracranial-intracranial Bypass by 3D ASL-based Non-contrast MRDSA
Kazuhiro Tsuchiya / *Dept. of Radiology, Tokyo Teishin Hospital*

192 Arterial Transit Time Measured by Multi-delay ASL Perfusion for Evaluating Major Cerebral Artery Stenosis/occlusive Disease: Correlation with ¹⁵O-H₂O PET-CBF
Kayo Takeuchi / *Dept. of Radiology, University of Fukui*

14:40-15:20 (315)

48. Neuroradiology 3: Miscellaneous Satoshi Terae

193 Coccidioidomycosis of the Central Nervous System: CT and MRI Findings of a Rare Infection
Jeffrey Dorr / *Department of Radiology, Santa Clara Valley Medical Center*

194 Anti-N-Methyl-d-Aspartate (NMDA) Receptor Encephalitis: A Case Series
Kok Soon Chow / *Department of Radiology, Penang General Hospital*

195 The Role of MRI in Diagnosis and Therapy Monitorization of Wilson's Disease
Onural Ozturk / *Department of Radiology, University of Kocaeli*

196 A Quantitative Diagnosis and Evaluation of Disease Progression of Parkinson's Disease Using Quantitative Susceptibility Mapping and Neuromelanin Imaging
Hiroto Takahashi / *Osaka University Graduate School of Medicine*

15:30-16:30 (315)

49. Technology Hiroshi Kondoh

197 Possible Flow Related Build-up Effect of Iodine Attenuation at 80kVp Tube Voltage CT: A Dynamic Phantom Study
Kouichirou Matsuura / *Saitama Medical University International Medical Center*

198 Evaluation of Radiation Dose and Image Quality of CT Using Organ Effective Modulation
Satoshi Tsuchiya / *Dept. of Radiology, Chiba University Hospital*

199 Nanoparticle-imaging and Treatment of Primary and Metastasized Tumors Through Immunogenic-cell-death and Abscopal-effect, Respectively, by Targeted MERTK-inhibition and PD-1-blockade Via Radiotherapy
Satoshi Harada / *Dept. of Radiology, Iwate Medical University, School of Medicine*

200 Monitoring of Fatigue of Radiologist Caused by Long Time Image Interpretation, Using FNIRS
Takashi Nihashi / *Dept. of Radiology, Nagoya University School of Medicine*

201 Separation of Blood Component Using Gemstone Spectral Imaging
Hiroshi Kawada / *Department of Radiology, Gifu University Hospital*

- 202** Detectability of Small Peripheral Arteries in Lower Extremities by Ultra High Resolution CT
Ryoichi Tanaka / Dept. of Radiology, Iwate Medical University

April 16 (Sun.)

10:00-10:40 (304)

50. Radiation Oncology 4: Uroradiology Yuta Shibamoto

- 203** Experience with I-125 Seed Brachytherapy in Prostate Cancer Using TheraStrand-SLR®
Kazuhiro Toya / Dept. of Radiology, Int. Univ. of Health and Welfare, Mita Hosp.
- 204** Preliminary Results of VMAT Stereotactic Body Radiotherapy with Flattening Filter-free Beam for Prostate Cancer
Mami Ogita / Dept. of Radiology, The University of Tokyo Hospital
- 205** Comparison of Iron-containing and Non-iron-containing Fiducial Marker for Prostate Radiotherapy in Visualization of CT and MR Images
Osamu Tanaka / Dept. of Radiation Oncology, Gifu Municipal Hospital
- 206** The Analysis of Radioactive Implant Migration in Patients Treated Iodine-125 Seeds for Permanent Prostate Brachytherapy (PPB) with Median Lobe Hyperplasia (MLH)
Koichiro Muraki / Dept. of Radiology, Kurume University School of Medicine

10:50-11:50 (304)

51. Radiation Oncology 5: GI Keiichi Jingu

- 207** Possibility of a "sentinel Effect" In Chemo-radiotherapy and a New Radio-sensitizer Injection (KORTUC)
Shiro Obata / Dept. of Radiology and Radiotherapy, Nagasaki Prefecture Shimabara Hospital
- 208** Effect of Irradiation to Multiple Lugol Voiding Lesions of Esophagus
Tomohiko Matsuyama / Dept. Radiation Oncology, Kumamoto University Graduate School of Medicine
- 209** Efficacy and Toxicity Profiles of Different Chemoradiotherapy Regimens for Esophageal Squamous Cell Carcinoma
Hirotake Saito / Department of Radiology and Radiation Oncology, Niigata University Graduate School of Medical and Dental Sciences
- 210** Salvage Esophagectomy after Definitive Chemoradiotherapy for Patients with Esophageal Carcinoma ; A Single Institute Retrospective Study
Tomoki Kiritoshi / The University of Tokyo Hospital
- 211** IFRT Combined with NDP/5-FU for Inoperable Esophageal Cancer on the Basis of FDG-PET in a Phase II Study: Long-term Outcomes
Hideomi Yamashita / Dept. of Radiology, The University of Tokyo Hospital
- 212** How Many Patients Underwent Esophagectomy for Locally Advanced Esophageal Cancer after Chemoradiotherapy?
Yuma Iwai / Dept. Radiology, Chiba University Hospital

13:00-14:00 (304)

52. Radiation Oncology 6: Miscellaneous Hideya Yamazaki

- 213** Dosimetric Comparison between Dual-isocentric Dynamic Conformal Arc Therapy and Mono-isocentric Volumetric-modulated Arc Therapy for Two Large Brain Metastases
Megumi Uto / Dept. Radiation Oncology and Image-applied Therapy, Kyoto University Graduate School of Medicine
- 214** Hypofractionated Versus Conventionally Fractionated Radiotherapy for Early Stage Glottic Carcinoma: A Single-institutional Retrospective Study Using Propensity Score Matching Analysis
Wataru Takahashi / Dept. of Radiology, the University of Tokyo hospital
- 215** Clinical Results of Dynamic Tumor Tracking Intensity Modulated Radiotherapy with Real-time Monitoring for Pancreatic Cancers Using a Gimbal Mounted Linac
Yoko Goto / Dept. of Radiation Oncology and Image-applied Therapy, Kyoto University Graduate School of Medicine
- 216** Pilot Study of Radio-sensitization Using Hydrogen Peroxide (KORUTC) Instead of Brachytherapy for Chemo-radiotherapy of Cervical Cancer
Hu Rong / Dept. of Radiology, Juntendo University School of Medicine
- 217** Palliative Radiotherapy for Malignant Lymphoma
Hiroki Kawaguchi / Dept. of Radiation oncology, Kobe University Hosp.
- 218** Imaging Modalities for Evaluating Acute Therapeutic Effects after Photoimmunotherapy in Vivo
Xieyi Zhang / Department of Diagnostic Radiology and Nuclear Medicine, Gunma University Graduate School of Medicine

9:50-10:30 (311+312)

53. Nuclear Medicine 5: OB/GYN Katsuhiko Kato

- 219** Assessment of Intratumor Heterogeneity in Mesenchymal Uterine Tumor by FDG-PET/CT Texture Analysis
Tetsuya Tsujikawa / Biomedical Imaging Research Center, University of Fukui
- 220** Differentiation between Borderline Ovarian Tumors with Solid Portions and Stage I Malignant Ovarian Cancers by FDG PET/CT
Ryusuke Nakamoto / Dept. of Radiology, Kyoto University Graduate School of Medicine
- 221** Prognostic Value of FDG-PET/CT Metabolic Parameters and Their Correlation with Histological Grade in Patients with Angiosarcoma
Ayako Kato / Dept. of Radiology, Kyoto University Graduate School of Medicine
- 222** PET CT Use in Carcinoma of Unknown Primary
Ankur Sharma / Park Hospital

10:40-11:50 (311+312)

54. Nuclear Medicine 6: PET and others Yuji Nakamoto

- 223** Lesion Detectability of a Newly-developed Flexible PET Scanner with Different Layouts of Detectors: A Pilot Study
Masao Watanabe / Dept. of Radiology, Kyoto University Graduate School of Medicine

- 224** Global Uptake of ¹⁸F-Sodium Fluoride in the Lateral Femoral Neck to Evaluate Changes in Bone Turnover with Age
William Y. Raynor / *Department of Radiology, University of Pennsylvania*

- 225** Clinical Evaluation of Q.Freeze Compared with Q.Static; A Preliminary Study of New Motion Correction Methods
Tomoaki Otani / *Dept. of Radiology, Hyogo Prefectural Amagasaki General Medical Center*

- 226** Comparison of Amide Proton Transfer (APT) Imaging with FDG-PET on a PET/MR System
Koji Sagiyama / *Dept. of Clinical Radiology, Graduate School of Medical Sciences, Kyushu University*

- 227** Clinical Utility of a Bayesian Penalized Likelihood Reconstruction of PET (Q.Clear) for Assessment of Liver Lesions
Munenobu Nogami / *Dept. of Radiology, Hyogo Cancer Center*

- 228** Assessment of Response to Neoadjuvant Chemotherapy with Ring Type Dedicated Breast PET Scan Compared with Conventional Whole Body PET Scan
Hiromi Koyasu / *Dept. of Radiology, Gifu university*

- 229** Data Expression of Bone SPECT Into 3D Volume-rendered CT Images: Its Principle and Clinical Application
Tadaki Nakahara / *Dept. of Radiology, Keio University School of Medicine*

13:00-14:00 (311+312)

55. Nuclear Medicine 7: Cardiovascular
Jun Hashimoto

- 230** Improvement of Detectability of Ischemic Myocardial Lesion Using 15O-H₂O PET: Evaluation with AIC Method
Chietsugu Katoh / *Faculty of Health Sciences, Hokkaido University*
- 231** Comparison of Myocardial Scar and Active Inflammation Using Automated MRI-PET/CT Fusion in Patients with Cardiac Sarcoidosis
Kenji Fukushima / *Department of Diagnostic imaging and nuclear medicine*
- 232** Diagnostic Impact of CTAC on CZT Myocardial Perfusion SPECT in CAD as Confirmed by Cardiac SPECT/CT Hybrid Imaging
Yoshimitsu Fukushima / *Dept. of Radiology, Nippon Medical School Hospital*

- 233** Diagnostic Performance of Hybrid Imaging on Cardiac CT and 13N-ammonia PET for the Detection of Obstructive Coronary Artery Disease
Naoto Kawaguchi / *Dept. of Radiology, Ehime Prefectural Central Hospital*

- 234** A Retrospective Study of Incidental Focal FDG Uptake in the Left Ventricle
Kazuki Yoshida / *Department of Radiology, Ehime Prefectural Central Hospital*

- 235** Association between Left Ventricular Phase Analysis and Myocardial Perfusion Indices or Clinical Parameters
Noriko Tsuda / *Department of Diagnostic Radiology, Faculty of life sciences, Kumamoto University*

14:10-14:50 (311+312)

56. Nuclear Medicine 8: Chest and abdomen
Harumi Sakahara

- 236** Value of 18F-FDG PET/CT in Predicting the Malignant Grade of Thymic Epithelial Tumors
Masatoyo Nakajo / *Department of Radiology, Graduate School of Medical and Dental Sciences, Kagoshima University*

- 237** Comparison of Lesion Detectability of 68Ga-DOTATOC-PET/CT and 111In-Pentetreotide-SPECT/CT in Patients with Known or Suspected Neuroendocrine Tumors
Yuji Nakamoto / *Dept. of Diagnostic Imaging and Nuclear Medicine, Kyoto University Graduate School of Medicine*

- 238** Gastroenteropancreatic Neuroendocrine Tumor: Comparison of FDG-PET/CT and Diffusion-weighted MRI
Atsushi Tani / *Dept. of Radiology, Graduate School of Medical and Dental Sciences, Kagoshima University*

- 239** The Prognostic Value of 18F-FDG Uptake in Resected Esophageal Squamous Cell Carcinoma Patients
Hayato Kaida / *Dept. of Radiology, Kindai University Faculty of Medicine*

9:10-9:50 (313+314)

57. Head and neck 2: Tumor
Keiko Toyoda

- 240** Rebound Adenoid Hyperplasia after Chemotherapy in Pediatric Patients with Head and Neck Lymphoma: MR Imaging Findings
Hiroki Kato / *Dept. of Radiology, Gifu University School of Medicine*

- 241** Subtraction Technique Using a Non-rigid Registration Improves Tumor Evaluation of Head and Neck Cancer: Comparison with MRI
Koiku Asakura / *Dept. of Diagnostic Radiology, Shizuoka Cancer Center*

- 242** Usefulness of Diffusion-weighted MR Imaging for Differentiating Warthin's Tumor and Oncocytoma of the Parotid Glands
Keita Fujimoto / *Dept. of Radiology, Gifu University School of Medicine*

- 243** Diagnostic Value of 3D Pseudo-continuous Arterial Spin Labeling: Differentiation of Benign and Metastatic Lymph Node in Head and Neck Cancer
Koji Takumi / *Dept. of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences*

10:00-10:50 (313+314)

58. Neuroradiology 4: Miscellaneous
Tomohisa Okada

- 244** An International, Randomized, Controlled Trial of MR-guided Focused Ultrasound Thalamotomy for Essential Tremor: Behind and Beyond
Toshio Yamaguchi / *Research Institute for Diagnostic Radiology, Shin-yurigaoka General Hospital*

- 245** Asymmetry of the Labyrinthine Signal on Delayed FLAIR
Shinji Naganawa / *Dept. of Radiology, Nagoya University Graduate School of Medicine*

- 246** Tract-based DTI Analysis Along Perivascular Space (DTI-ALPS) in the Superior Longitudinal Fasciculus in Alzheimer's Disease: Evaluation of Glymphatic System
Toshiaki Taoka / *Department of Radiology, Nagoya University Hospital, Nagoya, Japan*

247 Delayed Appearance of Reversible Hyper Intense Foci on T1-weighted Images in Acute Disseminated Encephalomyelitis
Yusuke Kawanaka / *Department of radiology, Hyogo College of Medicine*

248 Brain Structure Volume Changes after Whole-brain Radiation Therapy: Automated Brain Structure Segmentation Study
Yohei Takeshita / *Dept. of Radiology, Univ. of Occupational and Environmental Health School of Medicine*

11:00-11:50 (313+314)

59. Abdomen 2: Pancreas Satoshi Goshima

249 Intravoxel Incoherent Motion MR Imaging for Assessment of Chronic Pancreatitis
Nobuhiro Fujita / *Dept. of Clinical Radiology, Graduate School of Medical Sciences, Kyushu Univ.*

250 Dynamic Contrast-enhancement Pattern of Solid Pseudopapillary Neoplasm on Multiphasic Contrast-enhanced CT
Haruomi Yamaguchi / *Dept. of Diagnostic Radiology, Saitama Medical University International Medical Center*

251 Contrast-enhanced CT Assessment of Resectability of Pancreatic Ductal Adenocarcinoma
Yoshifumi Noda / *Dept. of Radiology, Gifu University*

252 Relationship between Exocrine Pancreatic Function and Abdominal Symptoms: Evaluation Using Cine-dynamic MRCP
Akira Yamamoto / *Dept. of Diagnostic Radiology, Kawasaki Medical School*

253 Comparison of Imaging Methods for Detecting Pancreatic Neuroendocrine Neoplasms
Meng Wang / *Department of Radiology, The First Affiliated Hospital, Sun Yat-Sen University*

13:00-13:30 (313+314)

60. Abdomen 3: GB, pancreas and others Yoshiaki Asayama

254 Usefulness of a Full Iterative Reconstruction Algorithm for Visualization of Cystic Artery on CT Angiography
Toshihiko Hamamura / *Dept. of Radiology, Univ. of Occupational and Environmental Health School of Medicine*

255 Dynamic Contrast Enhanced 3D T1WI of Upper Abdomen Using Combination of Parallel Imaging and Compressed Sensing at Wide-bore 3T Unit
Motoyuki Katayama / *Dept. of Radiology, Seirei Hamamatsu General Hospital*

256 CT Perfusion Imaging in Blood Flow Change of the Liver, Pancreas and Spleen in the Case of Celiac Artery Stenosis
Zhuang-nian Fang / *Department of Radiology, The First Affiliated Hospital of Sun Yat-Sen University*

9:10-9:50 (315)

61. Interventional Radiology 8: Head and neck, spine Hiro Kiyose

257 Nomogram for Predicting Intradiscal Cement Leakage Following Percutaneous Vertebroplasty in Patients with Osteoporosis Vertebral Compression Fractures
Bin-yan Zhong / *Department of Radiology, Zhong-da Hospital, Southeast University*

258 Risk Prediction Model of New Adjacent Vertebral Fractures after PVP for Patients with Osteoporotic Vertebral Compression Fractures
Bin-yan Zhong / *Department of Radiology, Zhong-da Hospital, Southeast University*

259 Organized Hematoma of Maxillary Sinus: Angiographic Findings and Embolization
Takuji Maruyama / *Dept. of Radiology, Kansai Medical University*

260 Initial Treatment Result of Stent-assisted Coil Embolization for Cerebral Aneurysm Using LVIS Stent
Takeshi Wada / *Dept. of Radiology, Nara Medical University*

10:40-11:50 (315)

62. Interventional Radiology 9: Experiments Keigo Osuga

261 Difference of the Ice Ball Size between on MR Image and on Ultrasonogram
Tadashi Shimizu / *Dept. of Diagnostic and Interventional Radiology, Tonan Hospital*

262 Fundamental Study for Development of a Fiducial Marker with Calcium Phosphate Cement for Image-guided Radiotherapy
Yusuke Sakuhara / *Dept. of Diagnostic and Interventional Radiology, Hokkaido University Hospital*

263 Effectiveness of a Tunnel-shaped Shield for the Operator's Radiation Exposure During Computed Tomographic Fluoroscopy-guided Procedures
Miyuki Nakatani / *Dept. of Radiology, Kansai Medical University*

264 Evaluation of Thermophysical Properties of Lipiodol in Freezing
Tatsuya Yoshikawa / *Dept. Radiology, Kyoto Prefectural University of Medicine*

265 A Reduced Expansion Technique of Cisplatin-loaded HepaSphere for Chemoembolization in Rabbit VX2 Liver Tumors
Takeshi Sato / *Dept. of Radiology and IVR Center, Nara Medical University*

266 Factors Associated with Technical Success Rate of TACE in Rat Model of Hepatocellular Carcinoma
Hideyuki Nishiofuku / *Dept. of Radiology, IVR Center, Nara Medical University*

267 An Experimental Study of Embolic Effect According to Metallic Coil Density or Volume in an in Vitro Tube Model
Kensuke Matsumoto / *Dept. of Radiology, Tottori University School of Medicine*

13:00-13:40 (315)

63. Interventional Radiology 10: Embolization Sojiro Morita

268 Selective Embolization for Lower Gastrointestinal Bleeding: Initial Experience of Eleven Patients
Masanori Inoue / *Dept. of Diagnostic radiology, Keio University School of Medicine*

269 Clinical Results of Transarterial Embolization for Obstetric Hemorrhage
Asami Yoshida / *Dept. of Radiology, Kansai medical University*

270 Accelerated Enlargement of Spleen after Splenic Trauma: Comparison With Injury Severity Score, AAST Splenic Injury Scale, and Splenic Arterial Embolization
Kazuyoshi Nakahashi / *Dept. Radiology, Hiroshima University*

- 271** Frequency of Reperfusion after an Alteration of Hemodynamics Using Coil Embolization: A Retrospective Study
Akira Imaizumi / Dept. of Radiology, University of Yamanashi

13:50-14:30 (315)

64. Interventional Radiology 11: Embolization, others Yoshitaka Inaba

- 272** Detachable Coil Embolization Via Single-marker Microcatheter
Yuki Yoshino / Dept. of Radiology, Teine Keijinkai Hospital
- 273** Transarterial Local Chemotherapy for Positive Palliation of Tumor-related Symptoms
Akihiko Seki / Dept. of Medical oncology, Suita Tokushukai Hospital
- 274** Initial Experiences of Glubran-2 in Our Institution
Motoki Nakai / Department of Radiology, Wakayama Medical University
- 275** Evaluation of Radiologic Findings after Ethanol Embolization of AVM
Hiroyasu Fujiwara / Dept. of Radiology, Okayama University School

Electronic Poster Presentation Programs

April 14 (Fri.)

9:10-9:45 (Poster Presentation Booth 1)

1. Cardiovascular 1: Coronary A and muocardium Yasuyuki Kobayashi

- C001** Utility of Coronary CT Angiography in Detection of Irregularity of Plaque Surface, Which May Predict Coronary Artery Re-stenosis
Hideaki Suzuki / Dept. of Radiology, Omori Medical Center Toho University School of Medicine
- C002** Diagnostic Performance of a Model to Predict Thin-cap Fibroatheroma Using Coronary CT Angiography
Nobuo Tomizawa / Dept. of Radiology, New Tokyo Hospital
- C003** Is Coronary Computed Tomography Angiography Justified for Symptomatic Females Less Than 50 Years Old?
Makoto Amanuma / Dept. of Radiology, Takase Clinic
- C004** Is Type O Blood a Risk Factor of Coronary Heart Disease in Japanese People? Evaluation by Coronary Computed Tomography Angiography
Makoto Amanuma / Dept. of Radiology, Takase Clinic
- C005** The Usefulness of Iodine Density Image Using Single Source Dual-energy CT for Qualitative and Quantitative Evaluations of Myocardial Infarction
Shinichiro Kitao / Dept. Radiology, Tottori University Faculty of Medicine

10:00-10:28 (Poster Presentation Booth 1)

2. Cardiovascular 2: Miscellaneous Shigeo Okuda

- C006** Diagnostic Performance of CT-derived Fractional Flow Reserve Based on Structural and Fluid Analysis: Comparison with Invasive Fractional Flow Reserve
Kanako Kumamaru / Dept. of Radiology, Juntendo University
- C007** Cardiac Effect of Cardiac Pacemaker Oversensing During ECG-gated Helical CT Scan
Eriko Maeda / Dept. of Radiology, University of Tokyo, School of Medicine
- C008** Usefulness of Myocardial Iodine Density and Extracellular Volume Fraction with Dual-energy CT in Differentiation of Dilated Cardiomyopathy from Normal Myocardium
Yasutoshi Ohta / Dept. of Radiology, Tottori University Faculty of Medicine
- C009** Assessment of Cardiac Amyloidosis by Myocardial Strain Analysis of Cardiac Magnetic Resonance Imaging
Seitaro Oda / Dept. of Diagnostic Radiology, Kumamoto University

11:00-11:42 (Poster Presentation Booth 1)

3. Radiation Oncology 1: Head and neck Ryohei Sasaki

- C010** Feasibility of IMRT for Primary Squamous Cell Carcinoma in the Temporal Bone
Miyako Myojin / Dept. of Radiation Oncology, Keiyukaisapporo Hospital

- C011** Treatment Outcome after Radiation Therapy for Mucosal Malignant Melanoma of Head and Neck
Koichi Yasuda / Global Station for Quantum Medical Science and Engineering, GI-CoRE, and Department of Radiation Medicine, Hokkaido Univ.

- C012** Postoperative Radiotherapy for Tongue Cancer
Shinichiro Toyoshima / Dept. of Radiation Oncology, Toyama Prefectural Central Hospital

- C013** Usability of Intraoral Stent in Radiotherapy: Reduction of Setup Errors in Head and Neck Cancer Patients
Hiroshi Doi / Department of Radiology, Hyogo College of Medicine

- C014** Predictive Value of Volume-based Parameters on Post-radiotherapy FDG-PET in Patients with HNSCC
Kei Nagasaki / Dept. of Radiology Ehime University

- C015** Influence of Delay of Postoperative Radiotherapy on Treatment Outcomes of Head and Neck Squamous Cell Carcinoma
Yasushi Hamamoto / Dept. of Radiology, Ehime University

15:10-15:52 (Poster Presentation Booth 1)

4. Neuroradiology 1 Akira Kunimatsu

- C016** 4D Flow Assessment of Ophthalmic Artery Flow in Patients with Atherosclerotic Internal Carotid Artery Stenotic Disease
Tetsuro Sekine / Dept. of Radiology, Nippon Medical School
- C017** Bright Vessel Appearance in Patients with Acute Cerebral Infarction Using Perfusion MR Imaging with 3D Pseudo-continuous Arterial Spin Labeling
Yuki Shinohara / Dept. of Radiology, Tottori University
- C018** Histogram Analysis of Intravoxel Incoherent Motion to Assess High T2-weighted Signal Intensity Around Brain Tumor: Initial Clinical Experience
Kazuhiro Murayama / Department of Radiology, Fujita Health University School of Medicine
- C019** Changes in Appearance of Carmustine (Gliadel) Wafers on MRI Over Time: A Phantom Study
Satoshi Doishita / Dept. of Diagnostic and Interventional Radiology, Osaka City University Graduate School of Medicine
- C020** Differentiating Glioblastoma from Lymphoma by ELTE (Enhancement Less Than Expected)
Takashi Katsube / Dept. of Radiology, Faculty of Medicine, Shimane University School
- C021** Diffusivity in Pituitary Adenoma: Comparison with Multi-shot EPI and Single-shot TSE Technique
Akio Hiwatashi / Department of Clinical Radiology Graduate School of Medical Sciences Kyushu University

16:00-16:42 (Poster Presentation Booth 1)

5. Neuroradiology 2 Makoto Sasaki

- C022** Quantitative Comparison of Gadobutrol and Gadopentetate Dimeglumine for Dynamic Contrast-enhanced Magnetic Resonance Imaging
Yutaka Hoshino / Hokkaido University School of Medicine

C023 Surface-based Morphometric MRI Analysis in Brain with Hepatic Virus InfectionJunko Kikuta / *Department of Radiology, Nihon University School of Medicine***C024** A New Brain CT Reference Line: A Tangential Line from the Lower Eyelid to the The Inner Occipital BaseHiroshi Ishizaka / *Dept of Radiology, Maebashi Red Cross Hospital***C025** Reduced Insula Cortex Volumes in MDD Patients with the s/s Genotype of 5-HTTLPR: VBM Study in a Japanese PopulationNatsuki Igata / *Department of Radiology, University of Occupational and Environmental Health, Kitakyushu, Japan***C026** MRI-based Volumetry of the Virchow Robin Spaces - An Initial Clinical ExperienceKoichi Takano / *Dept. of Radiology, Fukuoka University Faculty of Medicine***C027** MR Imaging Findings of Peripheral Facial Palsy: Differentiation between Bell's Palsy and Ramsay-Hunt SyndromeKeita Kuya / *Dept. of Radiology, Tottori University*

17:00-17:49 (Poster Presentation Booth 1)

6. Radiation Oncology 2: STI and CPT

Hidetoshi Kobayashi

C028 Investigation of Plan Quality of Non-coplanar VMAT SRT for Multiple Brain MetastasesKotaro Yoshio / *Dept. of Radiology, Kagawa prefectural central hospital***C029** Safety and Efficacy of Carbon-ion Radiotherapy for Non-squamous Cell Carcinoma in Head and NeckKatsuyuki Shirai / *Gunma University Heavy Ion Medical Center***C030** The Results of Dose Escalated Stereotactic Body Radiotherapy for Stage IA Non-small Cell Lung CancerTakafumi Komiyama / *Dept. of Radiology, University of Yamanashi Faculty of Medicine***C031** Radiotherapy for Solitary Pulmonary Nodules after Resection of Lung Cancer: A Comparison between Stereotactic Body Radiotherapy and Conventionally Fractionated RadiotherapyShigeo Takahashi / *Dept. of Radiation Oncology, Kagawa University Hospital***C032** First-in-human Visualization of Complex DNA Double-strand Breaks in Tumor Treated with Carbon Ion Radiotherapy Using Advanced High-resolution MicroscopyTakahiro Oike / *Dept. of Radiation Oncology, Gunma University Graduate School of Medicine***C033** Stereotactic Body Radiation Therapy for Lymph Node MetastasesKan Marino / *Dept. of Radiology, Yamanashi University School of Medicine***C034** Technical Results of Total Skin Irradiation Using Helical TomoTherapyKae Okuma / *Dept. of Radiology, The University of Tokyo Hospital*

9:10-9:45 (Poster Presentation Booth 2)

7. Interventional Radiology 1: TAE Koji Sugimoto**C035** The Feasibility of DEB-TACE for Lung and Mediastinal TumorsYoshihisa Kodama / *Dept. of Radiology, Teine Keijinkai Hospital***C036** Consideration for Outcome of Beads-TACE in Our HospitalYu Sasaki / *Dept. of Radiology, Yamanashi University school of Medicine***C037** Evaluation of Transarterial Chemoembolization with Drug Eluting Beads for Hepatocellular Carcinoma and the Relationship between Vascular Lake and Local ResponseTakayuki Sanomura / *Dept. of Radiology, Faculty of Medicine, Kagawa University***C038** Uterine Artery Embolization (UAE) Combined with Dilation and Curettage (D&C) for the Treatment of Cesarean Scar Pregnancies (CSP)Hiroyuki Tokue / *Dept. of Radiology, Gunma University School of Medicine***C039** Evaluation of the Transcatheter Arterial Embolization with N-Butyl-2- Cyanoacrylate in the Management of Refractory Spontaneous HematomaYasufumi Ohuchi / *Dept. of Radiology, Faculty of Medicine, Tottori University*

10:00-10:49 (Poster Presentation Booth 2)

8. Interventional Radiology 2: Miscellaneous

Tadashi Shimizu

C040 Analysis of Eye Lens Radiation Dose Estimated on Film Badges and Electronic Pocket Dosimeters in Transarterial Chemoembolization(TACE)Masakazu Hirakawa / *Dept. of Radiology, Kyushu University Beppu hospital***C041** Evaluation of Our Institution's Success Rate for Adrenal Venous Sampling (AVS)Kazuya Kawashima / *Dept. of Radiology, Iwate Medical University***C042** The Usefulness of the Small Bore Catheter Thoracostomy Under Chest CT Guidance for Complicated Parapneumonic Effusions or EmpyemasMika Kodani / *Dept. of Radiology, Tottori University School of Medicine***C043** Stage I Non-small-cell Lung Cancer Patients Treated by Radiofrequency Ablation Versus Stereotactic Body Radiation Therapy: Evaluation of Single Center ExperienceToshihiro Iguchi / *Dept. of Radiology, Okayama University Medical School***C044** Development of Novel Steerable Needle Using Active Sheath MechanismNorihisa Nitta / *Department of Radiology, Shiga University of Medical Science***C045** Robotic CT-guided IR: Results of Phantom and Animal Experiments with 3rd-generation Robot (Zerobot®)Takao Hiraki / *Dept. of Radiology, Okayama University Medical School***C046** The Evaluation of Intra-arterial Chemotherapy for Invasive Bladder CarcinomaKazumichi Tsukamoto / *Dept. of Radiology, Tottori University Faculty of Medicine*

15:10-15:59 (Poster Presentation Booth 2)

9. Abdomen 1: Lve and pancreas Manabu Hashimoto

- C047** Tumor-vascular Conspicuity in Hepatic Malignancies Using Rapid KVp-switching Dual Energy CT: to Compare Low-keV Images with Equivalent-keV Images
Nobuyuki Takeyama / Dept. of Radiology, Showa University Fujigaoka Hospital
- C048** Imaging Features of Serum Amyloid a Hepatocellular Neoplasm (SAA-HN) Arising from Alcoholic Liver Cirrhosis: Comparison with Hypervascular HCC
Norihide Yoneda / Dept. of Radiology, Kanazawa University Hospital
- C049** Imaging Characteristics of OATP1B3 Positive Hepatocellular Carcinoma: Reanalysis from Different Points of View
Azusa Kitao / Department of Radiology, Kanazawa University Hospital
- C050** Factors Affecting Washout of Hepatocellular Carcinoma in the Equilibrium Phase of Dynamic Contrast-enhanced CT
Makoto Sakane / Dept. of Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine
- C051** Does Autoimmune Pancreatitis Cause Encasement of the Extrapneumatic Arteries?
Fumihito Toshima / Dept. of Radiology, Ishikawa Prefectural Central Hospital / Dept. of Radiology, Kanazawa University School of Medical Science
- C052** Solid Pseudopapillary Neoplasm of the Pancreas: CT Findings in Six Patients
Kentaro Mochizuki / Dept. of Diagnostic Radiology, Toyama Prefectural Central Hosp.
- C053** Pancreatic Changes in Patients with Viral Hepatitis-induced Cirrhosis: MRI Evaluation
Tomohiro Sato / Dept. of Diagnostic Radiology, Kawasaki Medical School

16:30-17:05 (Poster Presentation Booth 2)

10. Chest 1: Tumor Kiminori Fujimoto

- C054** The Added Value of Computer-aided Detection System Based on Chest Tomosynthesis Imaging for the Detection of Pulmonary Nodules
Yoshitake Yamada / Dept. of Radiology, Keio University School of Medicine
- C055** Flat Shaped Attenuation Area on Chest X-ray May Reveal a Primary Lung Cancer
Akinaga Sonoda / Shiga University of Medical Science
- C056** Anterior Mediastinal Solid Tumors: Characterization Using Apparent Diffusion Coefficient Histogram Analysis and Dynamic Contrast-enhanced MRI
Takahiko Nakazono / Dept. of Radiology, Faculty of Medicine, Saga University
- C057** CT Features Associated with EGFR T790M Mutation Status in Patients with Lung Adenocarcinoma with Acquired Resistance to EGFR-TKIs
Hiroto Hakamada / Dept. of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences
- C058** Correlation between Kurtosis of CT Density Histograms and Standardized Uptake Values of FDG-PET/CT in Solid Primary Lung Cancer
Maho Tsubakimoto / Dept. of Radiology, Graduate School of Medical Science, University of the Ryukyus

17:10-17:38 (Poster Presentation Booth 2)

11. Chest 2: Miscellaneous Masashi Takahashi

- C059** Difference in Diaphragmatic Motion During Tidal Breathing between COPD Patients and Normal Subjects: Time-resolved Quantitative Evaluation Using Dynamic Chest Radiography
Yoshitake Yamada / Dept. of Radiology, Keio University School of Medicine
- C060** CT Guided Lung Nodule Marking with Indocyanine Green Prior to VATS
Keisuke Nagai / Dept. of Radiology, Osaka National Hospital
- C061** Optimal Beam Quality for Chest Flat Panel Detector System: Realistic Phantom Study
Chie Kuwahara / Dept. of Radiology, University of Occupational and Environmental Health
- C062** Pleuroparenchymal Fibroelastosis (PPFE) Finding on CT in Daily Practice: Prevalence and Serial Changes
Ryoko Egashira / Dept. of Radiology, Saga University

April 15 (Sat.)

9:10-9:45 (Poster Presentation Booth 1)

12. Radiation Oncology 3 Tadashi Kamada

- C063** Palliative Reirradiation for Painful Bone Metastasis
Gen Suzuki / Department of Radiology, Graduate School of Medical Science, Kyoto Prefectural University of Medicine
- C064** Reirradiation of Paraspinal In-field Recurrences with IG-VMAT
Yukio Akagi / Hiroshima Heiwa Clinic High-Precise Radiotherapy Center
- C065** Requests of Palliative Radiation Therapy Were Increased by the Change of National Health Insurance
Ryosuke Takenaka / Dept. of Radiology, Tokyo Teishin Hospital
- C066** Evaluation About Quality of Life and Psychophysiological Effect in Patients Treated with Palliative Radiotherapy for Cancer Recurrence or Metastasis
Takafumi Yamano / Dept. of Radiation Oncology, Saitama Medical University Center
- C067** Adverse Events after Palliative Radiation Therapy for Non-small Cell Lung Cancer Patients Treated with Molecular-targeted Agents
Takesumi Ozawa / Dept. of Radiology, Shinshu University School of Medicine

10:00-10:35 (Poster Presentation Booth 1)

13. Radiation Oncology 4 Masahiko Aoki

- C068** Long-term Survival in a Case of Advanced Hepatocellular Carcinoma Treated with Multidisciplinary Therapies
Masayuki Ito / Department of Radiation Oncology, Fujita health university School of Medicine
- C069** Clinical Outcomes of Preoperative Chemoradiotherapy for Locally Advanced Rectal Cancer
Hiromi Sakaguchi / Dept. of Radiology, Tottori University School of Medicine

C070 Combined High-dose-rate Brachytherapy (HDR-BT) and Intensity-modulated Radiation Therapy (IMRT) Including Pelvic Lymph Nodes for High Risk Prostate Cancer
Tomoyasu Kumano / Dept. of Radiology, Kanazawa University

C071 Comparison of MRI/CT Fusion and CT for Prostate Postimplant Dosimetry Using Sector Analysis
Noriyasa Katayama / Okayama University, Radiology

C072 Image Guided Brachytherapy for Uterine Cervical Cancer in Our Institution
Yuko Kaneyasu / Dept. of Radiation Oncology, Fukuyama Medical Center

11:00-11:35 (Poster Presentation Booth 1)

14. Radiation Oncology 5 Takeshi Kodaira

C073 Case Series Analysis of External Beam Radiotherapy for Thyroid Cancer in a University Hospital
Noriyasu Sekiya / Dept. of Radiology, Tokyo University School of Medicine

C074 The Effective Measurement of Chemoradiotherapy for Breast Cancer with Severe Skin Symptom (DESIGN-R)
Noriko Horikawa / Dept. of Radiology, Nara Prefecture General Medical Center

C075 Prognostic Value of HER2 Status in Breast Cancer Patients with Brain Metastases
Shintaro Tsuruoka / Dept. Radiology, Shikoku Cancer Center

C076 Radiotherapy for Five Cases with Kimura Disease
Miki Shioi / Dept. of Radiology, University of Niigata

C077 The Importance of Clinical Course in the Management of an Internal Auditory Canal Tumor
Shinya Sutani / Department of Radiology, National Hospital Organization Tokyo Medical Center

13:00-13:35 (Poster Presentation Booth 1)

15. NM 1: Neuro Hitoshi Terada

C078 Site-based Metabolic Tumor Volume May Be a Prognostic Factor in Patients with Differentiated Thyroid Carcinoma
Kenji Hirata / Dept. of Nuclear Medicine, Hokkaido University Graduate School of Medicine

C079 ¹⁸F-FDG PET Findings of Spinal Cord Tumors
Kentaro Kobayashi / Dept of Nuclear Medicine, Hokkaido University

C080 Clinical ZTE Attenuation Correction for Brain FDG-PET/MR Imaging
Tetsuro Sekine / Dept. of Radiology, Nippon Medical School

C081 Clinically Uncertain Parkinsonian Syndromes: Usefulness of ¹²³I-FP-CIT SPECT for Their Differentiation
Kenta Anai / Dept. of Radiology, University of Occupational and Environmental Health School of Medicine

C082 Comparison of Semi-quantitative Parameters Normalized by Various Reference Areas on ¹²³I-ioflupane SPECT in Diagnosing Parkinson's Disease
Yoichi Mizutani / Dept. of Radiology, Univ of Miyazaki

13:50-14:25 (Poster Presentation Booth 1)

16. NM 2: Chest Yusuke Inoue

C083 FDG-PET Evaluation of Anterior Mediastinal Masses: Among Thymomas, Thymic Cancer, and Malignant Lymphomas
Yo Kaneko / Dept. of Radiology, Gifu University Hospital

C084 Diagnostic Value of Dynamic F-18 FDG PET/CT for the Evaluation of Intrathoracic Lymph Nodes in Patients with Lung Cancer
Takayoshi Shinya / Dept. of Radiology, Tokushima University Hospital

C085 Differentiation of Cardiac Sarcoidosis Lesions and Physiological FDG Uptakes Using Texture Analysis
Osamu Manabe / Dept. of Nuclear Medicine, Hokkaido University Graduate School of Medicine

C086 Incremental Value of Myocardial Perfusion Reserve for Detection of Multi-vessel Coronary Artery Disease with Use of a Cadmium-zinc-telluride SPECT
Emiri Watanabe / Dept. of Radiology, Ehime University Graduate School of Medicine

C087 Comparison of MBF and MFR by Dynamic SPECT with Clinical Risk Factors of CAD in Patients with Normal MPS
Shinya Shiraishi / Department of Diagnostic Radiology, Graduate School of Life Sciences, Kumamoto University

14:40-15:22 (Poster Presentation Booth 1)

17. NM 3: MSA and others Yoshihiro Nishiyama

C088 Diagnostic Performance of Bone Scintigraphy and FDG-PET/CT for Bone Metastasis
Toshiro Ozaki / Dept. Radiology, Niigata Cancer Center Hospital

C089 FDG-PET Diagnosis of Rheumatoid Arthritis in the Usual Scans
Suga Tsuyoshi / Dept. of Radiology, Tenri Hospital

C090 PET/MR Versus PET/CT in Suspected Occult Tumors, Using a Trimodality PET/CT+MR System
Tetsuro Sekine / Dept. of Radiology, Nippon Medical School

C091 ¹⁸F-FDG Dose Reduction in Clinical PET/MR with SiPM Detector Based on Patient BMI
Tetsuro Sekine / Dept. of Radiology, Nippon Medical School

C092 The Role of ¹⁸-FDG PET/CT in Primary Skin Malignancy
Tamaki Ichikawa / Dept. of Radiology, Tokai University School of Medicine

C093 The Influence of the Surrounding Tissue Activities on Metabolic Tumor Volume Assessment
Akira Arai / Dept. of Radiology, Sendai Seiryō Clinic

15:40-16:08 (Poster Presentation Booth 1)

18. NM 4: RI therapy and others Mayuki Uchiyama

C094 Experience of the Foreign Radioiodine (¹³¹I) Therapy after the Total Thyroidectomy in the Differentiated Thyroid Cancer
Naoki Kan / Dept. of Radiology, Kansai Medical University

C095 Preliminary Experience of Yttrium-90 Ibritumomab Tiuxetan in Patients with Low-Grade B Cell Non-Hodgkin Lymphoma
Junichi Yokouchi / Dept. of Radiation Oncology, Aomori Prefectural Central Hospital

C096 Production of At-211 by In-house Cyclotron and Characterization at Fukushima Medical University
Noboru Oriuchi / *Advanced Clinical Research Center*

C097 Tumor Accumulation Difference of Ga-67 Labeled Anti-HER2 Antibody Made by Site Specific or Not
Yumiko Kono / *Dept. of Radiology, Kansai Medical University*

9:10-9:59 (Poster Presentation Booth 2)

19. Urology and gynecology Satoru Takahashi

C098 Kinking of the Upper Ureter in CT Urography: Anatomic and Clinical Significance
Minobu Kamo / *Department of Radiology, St. Luke's International Hospital*

C099 The Peak Site of Stone Impaction in the Upper Ureter with Respect to a Newly Identified Area of Constriction
Minobu Kamo / *Department of Radiology, St. Luke's International Hospital*

C100 Metabolite Changes in Ischemic Testes Detected by Magnetic Resonance Spectroscopy
Masayuki Yamaguchi / *Division of Functional Imaging, National Cancer Center*

C101 Detectability of T1a ($\leq 4\text{cm}$) Renal Cell Carcinoma on Screening Non-contrast CT
Aiko Gohara / *Dept. of Radiology, Shimane University Faculty of Medicine*

C102 Separate Detection of Iron and Fat by Dual Energy CT: Experimental Study Using Phantoms and Iron and Fat Mixtures
Hiroaki Terada / *Dept. of Radiology, Hiroshima University School of Medicine*

C103 The Detectability of Prostate Cancer at Dynamic Contrast Enhanced MRI: Comparison of Gadobutrol and Other Gadolinium Contrast Media
Takeshi Hara / *Department of Radiology, NHO Iwakuni clinical center*

C104 CT and MR Imaging Findings of Uterine Carcinosarcoma: Qualitative and Quantitative Analysis
Takeru Fukunaga / *Division of Radiology, Tottori University Faculty of Medicine*

10:40-11:08 (Poster Presentation Booth 2)

20. Breast 1 Mari Kikuchi

C105 Assessing the Extent of Breast Cancer Using Dual Energy CT
Koichi Ishiyama / *Dept. of Radiology, Akita University School of Medicine*

C106 Quantitative Analysis of Contrast-enhanced Ultrasound for Diagnosis of Early Lymph Node Metastasis of Breast Cancer
Naoko Mori / *Dept. of Diagnostic Radiology, Tohoku University Graduate School of Medicine*

C107 Luminal-type Breast Cancer Imaged by Intravoxel Incoherent Motion and Dynamic Contrast-enhanced MR Imaging: Relation to the Ki-67 Labeling Index
Hiroko Kawashima / *Faculty of Health Sciences, Kanazawa University*

C108 Intratumoral Kinetic Heterogeneity of Invasive Breast Cancer: Comparison between Dynamic MRI Parameters and Prognostic Markers
Ken Yamaguchi / *Dept. of Radiology, Saga University*

11:20-11:48 (Poster Presentation Booth 2)

21. Breast 2 Ryusuke Murakami

C109 Prognostic Value of SUV Max on ^{18}F -FDG PET/CT in Early Stage Breast Cancer Patients Without LN Metastasis
Ryusuke Murakami / *Dept. of Radiology, Nippon Medical School*

C110 Diagnostic Advantage of Breast Cancer Detection in Digital Breast Tomosynthesis
Hitomi Tani / *Dept. of Radiology, Nippon Medical School*

C111 Study of Nuclear Grade Prediction of DCIS Based on Mammographic Findings
Naoko Koyanagi / *breast centre, Japan Anti-Tuberculosis Association Fukujuji Hospital*

C112 Effect of Size and Location of Tumor on Measurement of Optical Parameters of Breast Cancer by Time-resolved Near-infrared Spectroscopy
Nobuko Yoshizawa / *Department of Diagnostic Radiology & Nuclear Medicine, Hamamatsu University School of Medicine*

15:00-15:42 (Poster Presentation Booth 2)

22. Gastrointestinal Masamitsu Hatakenaka

C113 Evaluation of Gastric Cancer Early Lesions Using Tomosynthesis by Successive Approximation Method
Masaki Tachi / *Dept. of Radiology, Nippon Medical School*

C114 Development and Validation of Magnetic Resonance Enterocolonography Scoring System for Crohn's Disease Using Decision Tree Analysis
Yoshio Kitazume / *Dept. of Radiology, Tokyo Medical and Dental University*

C115 Morphologic Evaluation Related to the Extramural Invasion of Rectal Cancer Using MRI: Compare MRI and Histopathological Findings
Satomi Morise / *Dept. of Radiology, Kansai Medical University*

C116 Cecal Vein Identification: Feasibility and Diagnostic Usefulness
Osamu Sato / *Dept. of Radiology, North Medical Center Kyoto Prefectural University of Medicine*

C117 Gastric Submucosal Vessels Visualized on Contrast Enhanced CT Gastrography: Morphological Classification on Virtual Dissection Wall-carving Image and Its Clinical Significance
Daisuke Tsurumaru / *Dept. of Radiology, Kyushu University*

C118 Reducing the Radiation Dose for CT Colonography Using Forward Projected Model-based Iterative Reconstruction Solution: Preoperative Assessment of Colorectal Cancer
Narumi Taguchi / *Dept. of Radiology, Kumamoto University Hospital*

April 16 (Sun.)

9:10-9:45 (Poster Presentation Booth 1)

23. Pediatric / Whole Body / Emergency radiology Shunsuke Nosaka

C119 Analysis of 4 Typed HIE, Including Total Brain Injury, with ADC Score and MRI Score
Sachiko Koshino / *Radiology, Japanese red cross Kyoto diichi Hospital, Kyoto, Japan*

C120 MR Assessment of Fetal Lung Development by Lung Signal Intensities and Lung Volume Measurements
Ryo Ogawa / Dept. of Radiology, Ehime University Graduate School of Medicine

C121 Computed Tomography Findings in Epstein-Barr Virus (EBV)-positive Diffuse Large B-cell Lymphoma (DLBCL) of the Elderly: Comparison with EBV-negative DLBCL
Fumito Okada / Dept. of Radiology, Oita University Faculty of Medicine

C122 CT Findings in Severe Fever with Thrombocytopenia Syndrome; An New Emerging Infection Vectored by a Tick
Takashi Koyama / Department of Diagnostic radiology, Kurashiki Central Hospital

C123 Frequency of Acute Head Trauma Findings on Whole-body CT in Patients Without Physical and Neurological Evidence in Traffic Trauma
Keiji Kitatani / Dept of Radiology, Faculty of Medicine, Miyazaki University

10:00-10:35 (Poster Presentation Booth 1)

24. IT and others Yasuo Takehara

C124 Model-based Iterative Reconstruction Reduces Image Noise and Improves Small Vessel Depiction: Assessment in Dynamic CT for Pancreatic and Biliary Diseases
Yusuke Watanabe / Dept. of Radiology, Graduate School of Medicine, The University of Tokyo

C125 Dual Energy Computed Tomography for the Assessment of Lipiodol Deposition in Transnodal Lymphangiography: A Pilot Study
Kohei Hamamoto / Dept. of Radiology, Saitama Medical Center, Jichi Medical University

C126 Feasibility of New Apoptosis-specific Ultrasmall Superparamagnetic Iron Oxide (USPIO) Particles: Experimental Investigation
Akihiro Nishie / Department of Clinical Radiology, Kyushu University

C127 Enhancement of Radiological Regional Collaboration System (3rd Report): Medical Record Sharing Beyond Radiology, and Access Log Analysis
Ryosuke Hirakata / Dept. of Radiology, Shin-Kokura Hospital

C128 Effect of Aroma to Recover from Fatigue by Long Time Image Interpretation, Using FNIRS
Takashi Nihashi / Dept. of Radiology, Nagoya University School of Medicine

11:00-11:28 (Poster Presentation Booth 1)

25. MSK Hajime Fujimoto

C129 Prevalence and Distribution of Intervertebral Cervical Disc Degeneration in Brain Dock Examinees and Its Relationship with Metabolic Syndrome
Atsuko Oda / Dept. Radiology, Tohoku Central Hospital of the Mutual Aid Association of Public School Teachers

C130 Analysis of Bone Mineral Density in Individuals with Thalidomide Embryopathy: Comparison Among Types of Disabilities
Kota Yokoyama / Dept. of Radiology, National Center for Global Health and Medicine

C131 Initial Experience of High-resolution Peripheral Quantitative Computed Tomography in the Evaluation of Bone Changes in Rheumatoid Arthritis: Comparison with MRI

Nozomi Oki / Dept. of Radiological Science, Nagasaki University Graduate School of Biomedical Sciences

C132 Immunoglobulin G4-related Paravertebral Lesions: CT Findings in 24 Patients

Takahiro Komori / Dept. of Radiology, Kanazawa University Graduate School of Medical Science

9:10-9:38 (Poster Presentation Booth 2)

26. Radiation Oncology 6: skin and fundamental research Tetsuo Akimoto

C133 Cytoplasmic Methionine Transfer-RNA Foci Induced by Radiation Stress in Several Cancer Cell Lines
Atsuto Katano / Dept. of Radiology, University of Tokyo Hospital

C134 Effect of Tirapazamine and Mild Temperature Hyperthermia on the Recovery from Radiation-induced Damage in Pimonidazole-unlabeled Probably Oxygenated Intratumor Quiescent Cells
Shin-ichiro Masunaga / Particle Radiat. Biol., Div. of Radiat. Life Sci., Res. Reactor Inst., Kyoto Univ.

C135 Single Institutional Experience of the Treatment of Localized Angiosarcoma of the Scalp
Hiroki Ihara / Dept. of Proton Beam Therapy, Okayama University Graduate School

C136 Effect of Chemoradiotherapy Using Low-dose Carcinostatic Drug for HeLa-S3 and MIA Paca Cells
Aki Kanazawa / Dept. of Radiology, Chiba University School of Medicine

10:40-11:08 (Poster Presentation Booth 2)

27. Liver 1: Anatomy Hiroki Haradome

C137 Variations in Subdivision of Right Anterior Superior Area (Segment 8) of the Liver in Relation to Hepatic Venous Drainage
Yoshito Nishikawa / Dept. of Radiology, Nippon Medical School

C138 Morphometric Analyses of Small Accessory Liver Lobes
Kumi Ozaki / Dept. of Radiology, Fukui Prefectural Hospital

C139 A Bridging Band-like Structure Connecting the Abdominal Wall and Lateral Segment of the Liver in the Patients with Massive Ascites
Mizuho Ishiyama / Dept. of Radiology, Kanazawa University School of Medicine

C140 Periportal Lymphatic MR Images Following Hepatobiliary Phase on Gd-EOB-DTPA-enhanced Imaging at 3.0-T
Maki Kiyonaga / Dept. of Radiology, Oita University Faculty of Medicine

11:20-11:48 (Poster Presentation Booth 2)

28. Liver 2: MRI technique and others Koki Yoshikawa

C141 Effect of Gravity on Portal Venous Flow: A Preliminary Study Using Gravity MRI
Yoshisuke Kadoya / Dept. of Radiology, Kanazawa University School of Medicine

C142 Imaging Findings of the Liver after Fontan Procedure
Chiaki Ueshima / Dept. of Radiology, Kanazawa University Graduate School of Medical Sciences

C143 Diagnostic Acceptability Assessment of Non-contrast-enhanced 3D MR Portography Within a Breath-hold Using Compressed Sensing Acceleratio
Ayako Ono / Dept. of Radiology, Kyoto University Hosp.

C144 Hepatic Fat Quantification Using Automated Six-point Dixon of 3.0T Magnetic Resonance Imaging: Comparison with Chemical Shift Based Sequences and CT
Tomohiro Namimoto / Dept. of Diagnostic Radiology, Kumamoto University

Product Exhibition Programs

April 15 (Sat.)

11:00-11:45, 14:00-15:00 (Marine Lobby)

Core Time

K001 Development and Verification of an Interactive Web System Designed for Medical Imaging Conferences

Soichiro Miki / *Univ. of Tokyo Hosp. Dept. of Computational Diagnostic Radiology and Preventive Medicine*

K002 Building an Integrated CAD Development Environment in Clinical Settings (the 10th Report): Web-based DICOM Viewer Component

Yukihiro Nomura / *Dept. of CDRPM, The University of Tokyo Hospital*

The 73rd Annual Meeting of the Japanese Society of Radiological Technology

JSRT-JSMP Joint Sessions

JSRT-JSMP Joint Symposium

April 14 (Fri.) 9:50~11:50 (501)

Chairman Kumamoto University Junji Shiraishi
Teikyo University Shinji Kawamura

JSRT-JSMP Joint Symposium

Radiological Physics and Technology

1. Radiological Physics and Technology: Brief History, Current Status and Future
The University of Chicago Kunio Doi
2. Cited and Non-cited Articles -From the Analysis of Articles Published in RPT
Association for Nuclear Technology in Medicine Masahiro Endo
3. Medical Physics 3.0
Duke University Ehsan Samei

JSRT-JSMP Joint Session Plenary Lecture 1

April 15 (Sat.) 15:10~16:10 (503)

Chairman Kyushu University Hidetaka Arimura
University of Michigan Issam El Naqa

「Radiomics: The New Frontier in Quantitative Image Modeling」

JSRT-JSMP Joint Session Plenary Lecture 2 【Simultaneous Interpretation】

April 16 (Sun.) 10:50~11:50 (503)

Chairman Hokkaido University of Science Takumi Tanikawa
Kagawa University Hospital Naoki Nishimoto

「Current Trends of Patient Radiation Dose Monitoring and Tracking Systems」

Part I (Technical Aspect)

Virginia Commonwealth University Medical Center Pei-Jan Paul Lin

Part II (Operational Infrastructure)

Virginia Commonwealth University Medical Center Shelia Regan

Expert Lectures

Expert Lecture 1

April 14 (Fri.) 10:50~11:50 (F201 + 202)

Chairman Vice Representative Director Masao Funahashi
Kindai University Hospital Masahiko Okumura

「Integrated Quality Assurance of High-Precision Radiotherapy for Radiotherapy Technologist」

Expert Lecture 2

April 14 (Fri.) 14:50~15:50 (503)

Chairman Representative Director Akio Ogura
Yamanashi University Hospital Hajime Sakamoto

「Radiation Safety Management for Angiography and Interventional Radiology」

Segi Award Winner's Lecture (Best Paper in 2016)

April 15 (Sat.) 11:20~11:50 (503)

Chairman Awards Committee Chair Hiroko Nishide

JSRT Vol.72, No.2

「Image Data Mining for Pattern Classification and Visualization of Morphological Changes in Brain MR Images」

Kumamoto University Saki Murakawa

RPT Doi Awards Ceremony and Winner's Lectures

April 16 (Sun.) 12:00~12:50 (414 + 415)

Chairman RPT Editor-in-Chief Kunio Doi
RPT Deputy Editor Shigehiko Katsuragawa

1) Diagnostic Imaging

RPT Vol.9, No.1

「A Computer Simulation Method for Low-Dose CT Images by Use of Real High-Dose Images: A Phantom Study」
The University of Tokyo Hospital Tomomi Takenaga

2) MRI, Nuclear Medicine and Informatics

RPT Vol.9, No.1

Chairman RPT Deputy Editor Tomoyuki Hasegawa

「Automatic ROI Construction for Analyzing Time-Signal Intensity Curve in Dynamic Contrast-Enhanced MR Imaging of the Breast」
Yamaguchi University Hospital Koya Fujimoto

3) Radiation Therapy Physics

RPT Vol.9, No.1

Chairman RPT Deputy Editor Masahiro Endo

「Energy Dependence Measurement of Small-Type Optically Stimulated Luminescence (OSL) Dosimeter by Means of Characteristic X-rays Induced with General Diagnostic X-ray Equipment」
Yamaguchi University Hospital Kazuki Takegami

Symposia

Symposium 1

April 15 (Sat.) 15:00~17:00 (502)

Chairman Kumamoto University Junji Shiraishi

「How to Assist Radiologists' Interpretation in Terms of Radiological Technology and Sciences」

1. JSRT's Effort for the Studies of Radiological Technologists' Reporting and Assistance in Radiological Science and Technology
Kumamoto University Junji Shiraishi
2. Assistance of Mammographic Diagnosis by Radiographers -the Point of View from Breast Surgeon-
National Hospital Organization Nagoya Medical Center Takako Morita
3. How to Assist Radiologists' Interpretation in Terms of Diagnostic Imaging
Eastern Chiba Medical Center Noriyuki Yanagawa
4. The Effect of Image Diagnosis Assistance by Radiological Technologists in Neuroendovascular Therapy
Kobe City Medical Center General Hospital Nobuyuki Sakai
5. Construction of Medical Information Data for Assisting Radiologists' Interpretation
Tohoku University Hospital Hiroshi Sakamoto

Symposium 2

April 14 (Fri.) 8:50~10:50 (503)

Chairman Gifu University Hiroshi Fujita

Gifu University Takeshi Hara

「Integration of Medical Engineering and Radiological Technology: Expected New Technology」

1. For New Modality Using Scattered X-ray
Aichi Prefectural University Naohiro Toda
2. Optically Pumped Atomic Magnetometer and Ultra-Low Field MRI
Kyoto University Tetsuo Kobayashi
3. The Future of Brain PET Systems
National Institute of Radiological Sciences, National Institutes for Quantum and Radiological Science and Technology Taiga Yamaya
4. Diagnostic Assist and Prognostic Prediction Based on Radiogenomics
Kumamoto University Yoshikazu Uchiyama
5. From Image-Based Computational Radiotherapy to Radiomics
Kyushu University Hidetaka Arimura
6. New Horizon of Medical Image Processing Based on Multidisciplinary Computational Anatomy
Nagoya University Kensaku Mori

Symposium 3

April 16 (Sun.) 8:50~10:50 (503)

Chairman Kanazawa University Rie Tanaka
Philips Electronics Singapore Shigeaki Morioka

[Steps to be Taken to Create a World Trend in "Radiological Science and Technology"]

1. The Opportunity of Woman in Education, Research and Profession in Radiological Sciences
Chulalongkorn University Anchali Krisanachinda
2. Internationalization, Mobilization in Radiological Education
Yuanpei University of Medical Technology Chiung-Wen Kuo
3. Toward Better Image Quality in Cone Beam CT: A Taiwanese Researcher's Experience
Tzu-Chi University of Sciences and Technology Ching-Ching Yang
4. Myself and Radiology Career
Hokkaido University Khin Khin Tha

Executive Committee Session Symposium

Challenge of AI in Radiology and Radiological Technology: IBM Watson and Deep Learning

April 15 (Sat.) 8:50~11:20 (503)

Chairman Gifu University Hiroshi Fujita
Gifu University Chisako Muramatsu
Gifu University Hiroshi Fujita

1. Introduction
2. AI and Deep Learning for Computer Aided Diagnosis: Present and Future
University of Electro-Communications Hayaru Shouno
3. Medical Sieve: The Radiology Grand Challenge Giving Eyes to Watson
IBM Almaden Research Center Tanveer Syeda-Mahmood
4. Case 1: Implementation of Deep Learning and Application of CAD
Fujita Health University Atsushi Teramoto
5. Image Segmentation Only Based on Deep Learning
Gifu University Xiangrong Zhou

Education Committee Session Symposium

Updates on MR Imaging Diagnosis of the Brain: Focused on Demyelinating and White Matter Diseases

April 15 (Sat.) 13:00~16:00 (F203 + 204)

Chairman Osaka Red Cross Hospital Yasuo Takatsu
Osaka Medical College Hospital Kenichiro Yamamura
Osaka City University Hospital Takao Ichida

1. Demyelinating Diseases and Leukoaraiosis
Osaka City University Yukio Miki
2. Acquisition of Brain Metabolism Using MRS
University of Tsukuba Tomonori Isobe
3. Development of PADRE-SWI_p for Neurodegenerative Disorders
Kumamoto University Tetsuya Yoneda
4. Selection and Limitation of MR Measurement Method Based on Pathophysiology
Fukushima Medical University Hitoshi Kubo
5. The Recent Technologies for Brain MRI
Siemens Healthcare K.K. Hiroshi Imai

Educational Lectures

Educational Lecture 1 (Diagnostic Imaging)

April 14 (Fri.) 8:50~9:50 (502) Chairman National Cancer Center Hospital East Yoshihisa Muramatsu
[Clinical Application of Iterative Reconstruction at CT] Hiroshima University Kazuo Awai

Educational Lecture 2 (Radiation Protection)

April 14 (Fri.) 8:50~9:50 (414 + 415) Chairman Cent-Medical Associates LLC Yoshiaki Hirofuji
[Clinical Practice and Radiation Dose for Cone-Beam CT in Interventional Radiology]
Nagoya Daini Red Cross Hospital Shigenobu Seguchi

Educational Lecture 3 (Medical Informatics)

April 14 (Fri.) 14:50~15:50 (501) Chairman Tohoku University Hospital Hiroshi Sakamoto
[Actual Design and Management of Networks in the Medical Field]
University of Fukui Hospital Yoshinori Yamashita

Educational Lecture 4 (Image Sciences)

April 14 (Fri.) 14:50~16:20 (502) Chairman Kanazawa University Rie Tanaka
[The Broad Relevance of Safety Culture in Medical Imaging] Duke University Ehsan Samei
[Let's Learn English Simultaneously with the Optimization of Patient Dose]
Kumamoto University Junji Shiraishi

Educational Lecture 5 (Diagnostic Imaging)

April 15 (Sat.) 8:50~9:50 (502) Chairman Japan Community Health care Organization Sendai Hospital Yukiko Ito
[Clinical Demands of MRI in Pediatric Neurosurgery]
Miyagi Children's Hospital/Tohoku University Reizo Shirane

Educational Lecture 6 (Measurement)

April 15 (Sat.) 8:50~9:50 (414 + 415) Chairman Inagi Municipal Hospital Koichiro Ochiai
[Dose Estimation for the Lens of the Eye in Medicine]
National Institute of Radiological Sciences, National Institutes for Quantum and Radiological Science and
Technology Keiichi Akahane

Educational Lecture 7 (Nuclear Medicine)

April 15 (Sat.) 13:00~14:00 (501) Chairman International University of Health and Welfare Kenta Miwa
[PET/MRI and PET/CT in Oncology: Recent Progress and Future Perspective]
National Center for Global Health and Medicine Ryogo Minamimoto

Educational Lecture 8 (Diagnostic Imaging)

April 16 (Sun.) 8:50~9:50 (502) Chairman Teikyo University Takahide Okamoto
[Possibilities in Hybrid or -The Benefit of Spine and Scoliosis Surgery-]
Shonan Fujisawa Tokushukai Hospital Sohei Ebara

Educational Lecture 9 (Radiotherapy)

April 16 (Sun.) 8:50~9:50 (National Convention Hall) Chairman Miyakojima IGRT Clinic Daisaku Tatsumi
[Reirradiation] Miyakojima IGRT Clinic RyoongJin Oh

Scientific Divisions

81st. Image Sciences Division

April 14 (Fri.) 16:20~17:50 (502)

Chairman Osaka City University Hospital Kenji Kishimoto

Nagoya City University Hospital Hiroshi Kunitomo

「The Minimum Things That We Should Know: A Fundamental Knowledge of Image Evaluation in Radiological Technology Research」

1. A Fundamental Knowledge of Image Evaluation in Digital Image Evaluation Research

Gifu University of Medical Science Norimitsu Shinohara

2. A Fundamental Knowledge of Image Evaluation Necessary for DR / CR Related Research

Tokai University Hachioji Hospital Ryotaro Yuji

3. Basic Knowledge of Image Evaluation Necessary for the Display-Related Study

Nagoya Daini Red Cross Hospital Takanaga Niimi

4. A Fundamental Knowledge of Computer Programs for Digital Image Research

Gifu University Daisuke Fukuoka

74th. Nuclear Medicine Division

April 15 (Sat.) 14:00~16:00 (501)

Chairman Teikyo University Noriyo Yokotsuka

部会報告

Nuclear Medicine Division Chair Hiroyuki Tsushima

「Approach to Key Points for Nuclear Medicine Experiment」

Chairman Toyohashi Municipal Hospital Hajime Ichikawa

Hitachi, Ltd. Shoji Kondo

1. Basic Knowledge of Experiment on Gamma Camera Imaging

Toyohashi Municipal Hospital Hajime Ichikawa

2. Study Techniques of the Cerebral Blood Flow SPECT

Shimane University Hospital Yasushi Yamamoto

3. Study Techniques of the Myocardial Perfusion SPECT

Kumamoto University Hospital Yuya Nakamura

4. Study Techniques of the Tumor SPECT

University of Fukui Hospital Akinobu Kita

74th. Radiotherapy Division

April 16 (Sun.) 9:50~11:50 (National Convention Hall)

Chairman Hokkaido University of Science Yuji Yaegashi

Cancer Center Yamagata University Kouji Suzuki

「Current Trends and Future Directions of Advanced Radiotherapy」

1. The Future Trends of IMRT

Tokyo Bay Advanced Imaging & Radiation Oncology Clinic MAKUHARI Naoki Tohyama

2. Future Directions in Ion Beam Therapy

National Institute of Radiological Sciences Shinichiro Mori

3. Current Status and Future Perspectives of BNCT

Southern Tohoku BNCT Research Center Takahiro Kato

4. The Trend and Future of the Integrated MR Radiation Therapy System

National Cancer Center Hospital Tatsuya Sakasai

68th. Diagnostic Imaging Division

April 16 (Sun.) 9:50~11:50 (502)

Chairman Osaka City University Hospital Takao Ichida
Kobe University Hospital Seiji Koyama

「Pursuing Better Imaging Techniques in Radiology: No.133, Attention Point of Operation Support Environment Based on Our Experience of Hybrid OR Building」

1. Notes on Surgery Support Environment for Endovascular Aortic Repair
The Jikei University Hospital Shinichi Yamashita
2. Transcatheter Aortic Valve Implantation
Osaka City University Hospital Yoshinori Takao
3. The Cerebrovascular Treatment
Hospital of Hyogo College of Medicine Kazuma Matsumoto
4. What is Happening in Hybrid OR
Siemens Healthcare K.K. Eiko Iwahana

68th. Diagnostic Imaging Division

April 14 (Fri.) 9:50~11:50 (502)

Chairman Chiba Kaihin Municipal Hospital Takashi Takagi
Fujita Health University Hospital Yoshihiro Ida

「Pursuing Better Imaging Techniques in Radiology: No.134, Iterative Reconstruction Techniques: Clinical Introduction」

1. Physical Properties of Hybrid Type Iterative Reconstruction
Miyagi Cancer Center Mitsunori Goto
2. Iterative Reconstruction of Head CT
Research Institute for Brain and Blood Vessels-Akita Tomomi Ohmura
3. Clinical Application of Iterative Reconstruction Technology in Chest
Hiroshima University Hospital Masao Kiguchi
4. Abdomen
Shizuoka Cancer Center Atsushi Urakura

68th. Diagnostic Imaging Division

April 15 (Sat.) 9:50~11:50 (502)

Chairman Niigata University Medical and Dental Hospital Tsutomu Kanazawa
Gunma Prefectural College of Health Sciences Norio Hayashi

「Pursuing Better Imaging Techniques in Radiology: No.135, Blood Flow Imaging of MRI: Basic Principles and Clinical Applications」

1. Time-Of-Flight Magnetic Resonance Angiography : Basic Principles and Clinical Applications
Saito Yukokai Hospital Tsuyoshi Ueyama
2. Basic Principles and Clinical Applications of Phase-Contrast Sequence
Sapporo Medical University Hospital Junpei Suzuki
3. The Effective Technique of Arterial Spin Labelling - When and How to Use in Clinical -
Toranomon Hospital Kei Fukuzawa
4. To Detect Brain Ischemia by Susceptibility Weighted Image (SWI)
Akita Research Institute of Brain and Blood Vessels Hideto Toyoshima

49th. Measurement Division

April 15 (Sat.) 9:50~11:50 (414 + 415)

Chairman Inagi Municipal Hospital Koichiro Ochiai
Nagoya University Shuji Koyama

「Let's Learn About Dose Area Product Meter」

1. Basics of Dose-Area-Product Meter
Toreck CO., LTD Hiroshi Nakazawa
2. Application of DAP in Angiography and Interventional Radiology
Yamanashi University Hospital Hajime Sakamoto
3. Measurement and Evaluation of Dose Area Product in Oral X-ray Examinations
Sosei Medical Clinic Atsushi Endo
4. Utilization of the Dose Area Product in General Radiography
Kawasaki Municipal Hospital Hiroyuki Miyake

Basic Course 7 (US)

April 16 (Sun.) 8:00~8:45 (502) Chairman Toshiko Arai
Asahishinbun Tokyo Head Office Clinic Kaoru Matsubara
「The Principle of Ultrasound and the Basic Technology of Ultrasonography for Better US Examination」

Basic Course 8 (Nuclear Medicine)

April 16 (Sun.) 12:00~12:45 (F201 + 202) Chairman Kindai University Hospital Kohei Hanaoka
Kindai University Makoto Hosono
「Regulations and Guidelines for Clinical Use of Alpha-Emitting Radionuclides」

Advanced Course

Advanced Course 1 (Measurement)

April 14 (Fri.) 8:00~8:45 (502) Chairman Tokyo Metropolitan University You Katou
The Jikei University Kashiwa Hospital Tomokazu Shohji
「CTDI」

Advanced Course 2 (CT)

April 14 (Fri.) 12:00~12:45 (502) Chairman Eastern Chiba Medical Center Noriyuki Yanagawa
Azabu Triology Hospital Souji Miyashita
「Practical Techniques in Otorhinolaryngological CT Imaging」

Advanced Course 3 (Nuclear Medicine)

April 15 (Sat.) 12:00~12:45 (501) Chairman Kanazawa University Masahisa Onoguchi
Tokyo Women's Medical University Koichiro Abe
「Respiratory Nuclear Medicine」

Advanced Course 4 (Medical Informatics)

April 15 (Sat.) 12:00~12:45 (502) Chairman Tokyo Women's Medical University Hospital Miyoko Fukuoka
Japan Medical Imaging and Radiological Systems Industries Association Akihiro Yomoda
「DICOM Standard - Latest Trend and Radiotherapy Field -」

Advanced Course 5 (Image Sciences)

April 16 (Sun.) 8:00~8:45 (501) Chairman Gifu University of Medical Science Norimitsu Shinohara
Aichi Prefectural University Naoki Kamiya
「3D Image Processing」

Advanced Course 6 (Radiotherapy)

April 16 (Sun.) 8:00~8:45 (National Convention Hall) Chairman Fujita Health University Naoki Hayashi
Osaka University Hospital Seiichi Ota
「Risk Analysis and Assessment Applied to Radiotherapy」

Advanced Course 7 (Radiation Protection)

April 16 (Sun.) 12:00~12:45 (502) Chairman NTT Medical Center Tokyo Atsuko Tsukamoto
Asahi General Hospital Takayuki Igarashi
「Respond to the Concerns of Medical Radiation Exposure」

Education Committee Sessions

Education Committee Session 1

April 14 (Fri.) 12:00~12:50 (503) Chairman Fujita Health University Naoki Hayashi
National Institute of Radiological Sciences, QST Tatsuhiko Imaoka
「Let's Start Your Lab Life!」

Education Committee Session 2

April 15 (Sat.) 12:00~12:50 (503) Chairman National Institutes for Quantum and Radiological Science and Technology Yasuo Okuda
Gifu University of Medical Science Hiroko Nishide
「Design Your Study, Carefully」

Basic Lectures of Diagnostic Imaging by Radiologists

Basic Lecture of Diagnostic Imaging by Radiologist 1

April 14 (Fri.) 12:00~12:50 (F203 + 204) Chairman Kanazawa University Hiroki Kawashima
 「Fundamentals of Breast Diagnostic Imaging」 Kanazawa University Hiroko Kawashima

Basic Lecture of Diagnostic Imaging by Radiologist 2

April 15 (Sat.) 12:00~12:50 (F203 + 204) Chairman Kanazawa University Takayuki Shibutani
 「Basic Knowledge for Image Interpretation of the Liver」 Kanazawa University Satoshi Kobayashi

Basic Lecture of Diagnostic Imaging by Radiologist 3

April 16 (Sun.) 12:00~12:50 (503) Chairman Kanazawa University Naoki Ohno
 「Essential Imaging Anatomy for Neuroradiological Diagnosis」 Niigata Kenshin Plaza Kazuhiro Ishikawa

Basic Lectures of Radiological Technology

Basic Lecture of Radiological Technology 1

April 14 (Fri.) 8:00~8:50 (501) Kanazawa University Naoki Ohno
 「Basic Technology of Magnetic Resonance Imaging」

Basic Lecture of Radiological Technology 2

April 14 (Fri.) 8:00~8:50 (414 + 415) Cent-Medical Associates LLC Yoshiaki Hirofuji
 「Basic Concept of Radiation Protection」

Basic Lecture of Radiological Technology 3

April 14 (Fri.) 8:00~8:50 (F201 + 202) Kanazawa University Akihiro Takemura
 「Basics of Image Registration Method in Radiation Therapy」

Basic Lecture of Radiological Technology 4

April 15 (Sat.) 8:00~8:50 (501) Kanazawa University Masahisa Onoguchi
 「The Fundamental Knowledge of Nuclear Medicine Technology」

Basic Lecture of Radiological Technology 5

April 15 (Sat.) 12:00~12:50 (F201 + 202) Kanazawa University Katsuhiro Ichikawa
 「Technology of Computed Tomography」

Basic Lecture of Radiological Technology 6

April 16 (Sun.) 8:00~8:50 (414 + 415) Kanazawa University Kichiro Koshida
 「Basics of Radiation Measurement」

Basic Lecture of Radiological Technology 7

April 16 (Sun.) 12:00~12:50 (501) Kanazawa University Hiroyuki Okamoto
 「Correlation and Regression of Two-dimensional Data」

English Presentation Support Seminar

English Presentation Support Seminar 1

April 14 (Fri.) 8:00~8:50 (F203 + 204)

「How to Write Dramatic English Abstract」

Kanazawa University Masato Kobayashi

English Presentation Support Seminar 2

April 15 (Sat.) 8:00~8:50 (F201 + 202)

「Basic Technique and Practical Tip for Making Well-organized English Slides」

Kanazawa University Rie Tanaka

English Presentation Support Seminar 3

April 16 (Sun.) 8:00~8:50 (F201 + 202)

「Tips and Tricks of the English Presentation for the Younger Member」

Tohoku University Yohei Inaba

JIRA Workshop

Contribution of Japan for Global Society

April 14 (Fri.) 10:50~11:50 (503)

Chairman Japan Medical Imaging and Radiological Systems Industries Association Atsushi Habara
Clinical Tohoku University Hospital Hiroshi Sakamoto

1. Global Organization DITTA's Activity, Contribution for Circular Economy
Japan Medical Imaging and Radiological Systems Industries Association Susumu Uchiyama
2. The Regulation System of the Used Diagnostic Imaging Medical Device in Japan
Japan Medical Imaging and Radiological Systems Industries Association Hiroshi Furukawa
3. JSRT Global Strategy
JSRT Global Committee Shigeaki Morioka

Forums

Patient Safety Forum

April 15 (Sat.) 13:30~14:30 (F201 + 202)

Chairman Kyoto University Hospital Kyoji Higashimura
National Cancer Center Hospital Tomohiko Aso

「Safety Measures in CT and MRI Examinations with Contrast Enhancement」

1. Noteworthy Risk and Risk Reduction Measures in the Clinical Examinations with Contrast Enhancement
National Cancer Center Hospital Hirokazu Watanabe
 2. Safety Management in Intravenous Contrast Medium Administration
Butsuryo College of Osaka Isao Yamaguchi
 3. Risk Map in the Clinical Examinations with Contrast Enhancement
Oita University Hospital Tomohiro Hamada
- General Discussion

Radiation Protection Forum

April 14 (Fri.) 15:50~16:50 (503)

Chairman Asahi Hospital Takayuki Igarashi
Chiba University Hospital Hideyuki Kato

「Let's Discuss About the DRLs, Again」

Commentator University of Yamanashi Hospital Hajime Sakamoto
Chiba Kaihin Municipal Hospital Takashi Takagi
Fujita Health University Yasuki Asada
NTT Medical Center Tokyo Atsuko Tsukamoto

Standardization Forum

April 14 (Fri.) 14:50~15:50 (Harbor Lounge B) Chairman Odawara Cardiovascular Hospital Shigeru Miyazaki
Tokyo Metropolitan University Izumi Ogura
National Cancer Center Hospital East Yoshihisa Muramatsu
Toranomon Hospital Junji Takahashi

「Standardization of Quality Assurance and Radiological Equipment for Medical Imaging Departments-On Trend of Future and JIS (Japanese Industrial Standards) Original Bills Debated in 2016」

1. Medical Electrical Equipment-Part 2-28: Particular Requirements for the Basic Safety and Essential Performance of X-ray Tube Assemblies for Medical Diagnosis
Toshiba Electron Tubes & Devices Co., Ltd. Kunimasa Miyoshi
2. IEC 60601-2-44 Ed3.2:2016 MEDICAL ELECTRICAL EQUIPMENT - Part 2-44: Particular Requirements for the Basic Safety and Essential Performance of X-ray Equipment for Computed Tomography
Toshiba Medical Systems Corporation Makoto Hayashibara
3. JIS T 62570 Standard Practice for Marking Medical Devices and Other Items for Safety in the Magnetic Resonance Environment
GE Healthcare Japan Corporation Toru Shimizu

Radiation Safety Management Forum

April 15 (Sat.) 16:00~17:00 (Harbor Lounge B) Chairman Kyushu University Toshioh Fujibuchi
Yokohama Rosai Hospital Hiroshi Watanabe

「Practical Measures Against Disasters and Security Threats for Medical Radioactive Materials」

1. Outline of Regulatory Reform regarding Radiation Safety and Security
National Institute of Public Health Ichiro Yamaguchi
General Discussion Commentator Nuclear Regulation Authority Kazuhiro Tani
Hokkaido University of Science Takumi Tanikawa
Toyama University Hospital Tosi Yasumura

Next Generation Session(学生セッション)

April 16 (Sun.) 10:50~11:50 (414 + 415) Chairman Chiba University Hospital Ryo Morimoto
Kobe University Hospital Wakiko Tani

「Special Lecture for Students」

1. The Training of Radiological Technicians in China
President of Chinese Society of Imaging Technology Jianming Yu

「Research Introduction Contest」

Tokushima University Yoshiki Mihara
Komazawa University Takuya Mizutani
Aichi Prefectural University Saki Yamada
Tohoku University Yoshiro Ieko
Tokyo Metropolitan University Marin Nishio
Kyushu University Hiroki Tsuru
Hokkaido University Ryosuke Mori
Tokushima University Yuki Matsumoto
Kanazawa University Yuki Hiramatsu

Oral Presentation

April 13 (Thu.) 501

Imaging Techniques and Research (MRI) Brain: Contrast, Motion Correction

13 : 00~14 : 00 Chairman Tetsuya Kimura (Sakai City Medical Center)
Takanobu Yamashiro (Minoh City Hospital)

1. CHES Pulse and Pre Saturation Pulse Has Some Influence on Brain T1 Contrast
Division of Radiology, Department of Medical Technology, Okayama University Hospital Toshi Matsushita
2. Improved T1 Contrast Using Small Field of View Quadruple Inversion Recovery with Anti-driven Equilibrium
Department of Radiology, Tokyo Metropolitan Police Hospital Kohei Yuda
3. Comparison of Parameter Setting and Image Contrast between Synthetic Magnetic Resonance Imaging and Conventional Imaging Methods
Department of Radiology, Ohkubo Hospital Akihito Ikeda
4. Effect of Motion Correction by SENSE Factor on Radial Scanning
Department of Radiology, Chiba University Hospital Yoshiki Yamagishi
5. Quantitative Evaluation of Motion Artifact in Brain Magnetic Resonance Imaging of the Preterm Infant: Comparison Using Vacuum Immobilizer without Sedation and Using Sedation
Department of Radiology, Osaka Medical College Hospital Kenichiro Yamamura
6. Impacts of Difference of Transparency Reagents on Mouse Brain
Tokyo Metropolitan University Graduate School of Human Health Sciences Yukiko Nagawa

Imaging Techniques and Research (MRI) Clinical Safety and Management

14 : 00~14 : 40 Chairman Hideto Toyoshima (Research Institute for Brain and Blood Vessels-Akita)
Takeshi Makabe (Hakodate Municipal Hospital)

7. Disagreement between Measured and Simulated Sound Pressure Level of MRI Scan
Medical Systems Research Department, Research & Development Group, Hitachi, Ltd. Yukari Yamamoto
8. Analysis of Acoustic Noise Transfer Function under the Presence of a Phantom in MRI
Department of Radiology, Kanazawa University Hospital Takashi Hamaguchi
9. The Assessment of Errors of Injection Volume and Enhancement Effect in Case of Injection Gadobutrol to Infants
Department of Radiology, Kanazawa University Hospital Saori Watanabe
10. Effect of Fragrance on Lowering Psychological Stress Undergoing MR Imaging
Department of Radiological Sciences, School of Health Science, Ibaraki Prefectural University of Health Science Masahiko Monma

Imaging Techniques and Research (MRI) Heart

14 : 40~15 : 30 Chairman Hiroyuki Sugimori (Hokkaido University)
Toshiki Tateishi (Sendai Medical Center)

11. Estimation of Phase Sensitive Inversion Recovery Balanced-Steady State Free Precession with Fat Suppression
Department of Radiology, Tokyo Metropolitan Police Hospital Takumi Koyano
12. Study of Extracellular Volume Fraction (ECV) Map for Calculation Accuracy: Influence of Flow in T1 Map of Blood
Department of Radiology, Fukushima Medical University Hospital Hideaki Takasumi
13. Examination of Dark-Rim Artifact in the Myocardial Perfusion Imaging Used Compressed Sensing
Saiseikai Matsuyama Hospital Tomohiro Tachibana
14. Longitudinal Observation of Left Ventricular Function in Cardiomyopathic Model by Self-Gated Cine Imaging Using 11.7T-Magnetic Resonance Imaging
Department of Medical Physics and Engineering, Division of Health Sciences, Osaka University Shigeyoshi Saito
15. Signed Kinetic Energy in Normal and Dilated Cardiomyopathy (DCM) Left Ventricles
The Chinese PLA General Hospital Menglu Li

Imaging Techniques and Research (MRI) MRCP

15 : 30~16 : 00 Chairman Keiya Hirata (Kanazawa Medical University Hospital)

16. A Breath-Hold Magnetic Resonance Cholangiopancreatography (MRCP) Using Three-Dimensional (3D) Gradient- and Spin-Echo (GRASE) Sequence
Department of Radiology, Japanese Red Cross Okayama Hospital Katsuhiko Kida
17. Evaluation of the Cystic Duct Visualization in MRCP (SPACE) by Optimum Echo Time Calculated from HASTE Data
Showa University Graduate School of Nursing and Rehabilitation Science, Department of Radiology Toru Shibuya
18. Fundamental Study of the Tag Pulse in Time-Spatial Labeling Inversion Pulse Sequence for Visualization of Pancreatic Juice Flow
Department of Radiology, Sendai City Medical Center Sendai Open Hospital Hideki Hoshi

Imaging Techniques and Research (MRI) Image Reconstruction16 : 00~16 : 40 Chairman Tsuyoshi Ueyama (Saito Yukokai Hospital)
Hajime Sagawa (Kyoto University Hospital)

19. Effect of Reference Scan on Diffusion Weighted Imaging
Department of Radiology, Oita University Hospital Yoshiyuki Iwao
20. Image Quality Depends on the K-Space Trajectory in Dynamic Contrast-Enhanced Magnetic Resonance Imaging: A Simulation Study
Department of Radiology, Osaka Red Cross Hospital Yasuo Takatsu
21. Improving Image Quality and Acceleration for Compressed Sensing Magnetic Resonance Imaging
Research & Development Group, Hitachi, Ltd. Yoshimi Noguchi
22. Compressed Sensing for Three-Dimensional Magnetic Resonance Imaging: A Fundamental Study Using the Projection onto Convex Sets (POCS)
Department of Radiology, Tokyo Womens Medical University Medical Center East Shinya Kojima

Imaging Techniques and Research (MRI) Musculoskeletal: Extremity, Vessel16 : 40~17 : 30 Chairman Hisashi Kitagawa (The Jikei University)
Kousaku Saotome (University of Tsukuba)

23. Evaluation of the Median Nerve with Turbo Spin Echo-Diffusion Tensor Imaging and T2 Star-weighted Imaging
Department of Radiology, Eastern Chiba Medical Center Takayuki Sakai
24. Examine Condition of the Hip Joint Imaging
Kushiro Kojinkai Memorial Hospital Tomoyuki Tanio
25. Study of 3D Shooting in the Limb Joint Area
Sagamihara Redcross Hospital Koichiro Osawa
26. Detection of the Lower Extremities Vein by T1TFE with Saturate Pulse
Department of Radiology, Otsu Municipal Hospital Masafumi Nakamura
27. Comparison of the Depictability of the Calf Arteries Using Linier and Radial K-Space Trajectories in Non-Contrast Enhanced MR Angiography
Department of Radiology, Maiduru Kyousai Hospital Ayako Fujimoto

April 13 (Thu.) 502**Nuclear Medicine (PET) Cardiovascular Imaging**13 : 00~13 : 50 Chairman Masaya Suda (Nippon Medical School Hospital)
Takashi Kamiya (Osaka University Hospital)

28. Evaluation of Aortic Wall Inflammation in Acute Aortic Dissection Using FDG-PET/CT
Division of Molecular Imaging, Institute of Biomedical Research and Innovation Go Akamatsu
29. Feasibility of Quantifying Myocardial Blood Flow with a Shorter Acquisition Time Using a Weighted Fitting Method; $^{15}\text{O-H}_2\text{O}$ PET/CT Study
Department of Nuclear Medicine, Hokkaido University Graduate School of Medicine, Sapporo, Japan Soichiro Hayashi
30. The Possibility to Decrease Scan Time of $^{15}\text{O-H}_2\text{O}$ PET; Assessment of Regional Ischemic Lesions
Faculty of Health Sciences, School of Medicine, Hokkaido University Keisuke Kawauchi
31. Quantification of Myocardial Blood Flow Using Dynamic 320-row Multi-detector CT with Gauss Curve Fitting
Department of Nuclear Medicine, Hokkaido University Graduate School of Medicine Masahiro Muneta
32. Deformable Image Registration Improves the Accuracy of Three-dimensional Fusion of ^{13}N -ammonia Myocardial Perfusion PET and Coronary CT Angiography Images
Graduate School of Health and Welfare Sciences, International University of Health and Welfare Yoshiaki Taguchi

Nuclear Medicine (PET) Brain Imaging

13 : 50~14 : 30 Chairman Go Akamatsu (Institute of Biomedical Research and Innovation)
Yuuya Nakamura (Kumamoto University Hospital)

33. Effect of Reconstruction Method for Semiquantitative Value of Amyloid Imaging with ^{11}C -Pittsburgh Compound-B
KINDAI University Institute of Advanced Clinical Medicine, Division of Positron Emission Tomography Shota Watanabe
34. Voxel-based Statistical Analysis of Amyloid PET Imaging in Alzheimer's Disease
Division of Molecular Imaging, Institute of Biomedical Research and Innovation Go Akamatsu
35. Quantitative Evaluation of ^{11}C -PiB β -amyloid PET Using Centiloid Scale in Japanese Alzheimer Disease Subjects
Research Team for Neuroimaging, Tokyo Metropolitan Institute of Gerontology Kei Wagatsuma
36. Studies on the Influence of Scattered Radiation from Out-Of-View and the Effects of Scatter Correction in 3D Brain PET
Department of Radiological and Medical Laboratory Sciences, Nagoya University Graduate School of Medicine Masayuki Honda

Nuclear Medicine (Radionuclide Therapy) Radium-223 Therapy

14 : 30~15 : 10 Chairman Kazuhiko Himuro (Kyushu University Hospital)
Kazumasa Inoue (Tokyo Metropolitan University)

37. Monte Carlo Simulation on Collimator Dependencies in ^{223}Ra Imaging for Unsealed Radionuclide Therapy
Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University Ryota Oshima
38. An Empirical Comparison of Planar Sensitivity and Spatial Resolution among Different Collimators on ^{223}Ra Imaging
Department of Nuclear Medicine, Cancer Institute Hospital of Japanese Foundation for Cancer Research Takuro Umeda
39. Optimization of Image Quality with Radium-223 Chloride Injection: A Fundamental Study
Office of Radiation Technology, Keio University Hospital Mikoto Murakami
40. The Investigation of the Decontamination Method for Radium-223 Dichloride Department of Radiology, Kindai University Hospital Shuhei Yoshida

Nuclear Medicine (SPECT, Planar) Dopamine Transporter 1

15 : 10~15 : 50 Chairman Yoshiharu Kangai (Kawasaki Medical School Hospital)
Genki Horitsugi (Osaka University)

41. The Evaluation of Heterogeneity in Brain Dopamine Transporter SPECT Images
Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University Naoki Hashimoto
42. Assessment of Optimal Cerebrospinal Fluid Mask Value for Dopamine Transporter SPECT by Quantitative Software
NaraCityHospital Yoko Iwamoto
43. Agreement between Quantitative Evaluation with Cerebrospinal Fluid Mask and Qualitative Evaluation in Dopamine Transporter Scintigraphy
Department of Radiology, Tenri Hospital Kazushi Kitamura
44. Effect of Lateral Ventricle in the Brain for Semiquantitative Index of Specific Binding Ratio Using Striatum Digital Brain Phantom Study
Department of radiology, Hiroshima City Asa Citizens Hospital Akihiro Furuta

Nuclear Medicine (SPECT, Planar) Dopamine Transporter 2

15 : 50~16 : 30 Chairman Takayuki Shibutani (Kanazawa University)
Akira Suzuki (Sendai Red Cross Hospital)

45. Investigation of Optimum Collimator Conditions for Dopamine Transporter SPECT Imaging Using Monte-Carlo Simulation
Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University Keita Funada
46. Comparison between NAC Data Base to IRACSC Data Base in Dopamine Transporter SPECT with ^{123}I -FP-CIT
Department of Radiology, Nagasaki Kita Hospital Toshimasa Fujishita
47. Optimal Attenuation, Scatter Correction and Reconstruction Technique Using Visual and Quantitative Analysis on Striatum Nuclear Medicine Imaging
Department of Radiological Technology, Tokushima University Hospital Satoru Takashi
48. Effects of the Radioactivity Concentration Ratio and the Object Shape to the Count Ratio in ^{123}I -FP-CIT Imaging
Department of Radiology, Edogawa Hospital Yasuhiro Inokuchi

Theme Session Multi-modality

16 : 30~17 : 30

Chairman Eisuke Sato (Kyorin University)

Tetsuya Tomita (University of Tsukuba Hospital)

49. Usefulness of Fusion Images for Neurosurgical Procedure Simulation

Hiroshima City Hiroshima Citizens Hospital Keisuke Honjo

50. Installation of an Integrated MRI Cobalt-60 Radiation Therapy System

Department of Radiological Technology, National Cancer Center Hospital Tatsuya Sakasai

51. Novel PET-Guided Tomotherapy Plus Chemotherapy Provides Durable Complete Responses in Four Patients

Department of Radiation Oncology, Far Eastern Memorial Hospital, New Taipei City, Taiwan Chen-Xiong Hsu

52. An Investigation of Virtual Monochromatic CT for Patients Scanned by On-Board Cone Beam CT in Radiotherapy

Department of Medical Imaging and Radiological Sciences, Tzu-Chi University of Science and Technology, Taiwan Guan-Lin Huang

April 13 (Thu.) 503**Imaging Techniques and Research (CT) Radiation Dose**

13 : 00~13 : 50

Chairman Takashi Takagi (Chiba Kaihin Municipal Hospital)

Mariko Miyata (University of Tsukuba Hospital)

53. Dose Reduction Strategy Using 80-Row Non-Helical Scan Method for Head Computed Tomography: A Cerebral Hemorrhage

Department of Radiological Technology, Kurashiki Central Hospital Masaaki Fukunaga

54. Eye Lens Radiation Exposure Dose and Image Evaluation by the Difference in Quality: By Using Computed Tomography of Paranasal Sinuses

Section of Radiological Technology, Department of Medical Technology, Kanazawa Medical University Hospital Hiroji Nagata

55. Basic Study of Dynamic-Ventilation CT: Evaluation of Radiation Dose and Reconstruction Kernel with a Lung of Pig

Shiga University of Medical Science Hospital Noritoshi Ushio

56. Influence of Bowtie Filter on In-Plane Dose Distribution in ECG-Gated CT

Department of Radiology, National Hospital Organization Kanazawa Medical Center Kazuyoshi Minami

57. Compare of Ultra-High-Resolution CT and Conventional CT: Simulated Radiation Dose in Abdominal CT

Department of Radiology, National Cancer Center Hospital East Keiichi Nomura

Imaging Techniques and Research (CT) Exposure Control

13 : 50~14 : 50

Chairman Yoshihisa Muramatsu (National Cancer Center Hospital East)

Yasuhiro Fukushima (Kyoto University Hospital)

58. Basic Evaluation of Dose Output According to Using Organ-Based Tube-Current Modulation in Conventional Head CT

Sendai City Hospital Yuta Sawatani

59. Characteristic of Tube Current Modulation Using Non-Invasive X-ray Analyzer

Narita Memorial Hospital Junpei Kurokawa

60. Evaluation of Radiation Dose and Image Quality Using Organ-Based Tube-Current Modulation in Neck CT

Department of Radiological Technology, Yamaguchi University Hospital Teppei Yonezawa

61. An Evaluation of the Tube Current Modulation Mechanism Considering the Radiation Dose to the Anterior Organs

Department of Radiological Technology, Kizawa Memorial Hospital Kenji Sako

62. withdrawn

63. Usefulness of the Auto Selection of Scan Protocols Using Fast kV Switching Dual Energy

Department of Radiology, Tokyo Women's Medical University Medical Center East Rika Fukui

Imaging Techniques and Research (CT) Iterative Reconstruction: Clinical

14 : 50~15 : 40

Chairman Toshihiro Ishihara (Sagamihara National Hospital)

Shingo Kayano (Tohoku University Hospital)

64. The Possibility of Dose Reduction with the Forward Projected Model-Based Iterative Reconstruction Solution for Low-Contrast with Low-kV CT

KEIO University Hospital Department of Radiological Technology Keisuke Kizu

65. Usefulness of Abdominal Computed Tomography Using Iterative Reconstruction

Department of Radiology, Shimane University Hospital Yuta Yamato

66. Evaluation of Image Resolution That MBIR and IR Give in Detection Ability of Epigastric Mass-Related Lesion
Department of Radiology, Kouseikai hospital Koshi Matsumoto
67. The Effect of Different Type Physical Parameters and Iterative Reconstruction on Vessel Visibility
Department of Radiology, Fukui University Hospital Maina Masunaga
68. Noise Reduction in Contrast-amplified Image Reconstruction by Adjusting the Computed Tomography Value Scale Using Hybrid Iterative Reconstruction
Department of Radiology, University of Yamanashi Hospital Yoshihito Aikawa

Imaging Techniques and Research (CT) Contrast Technique: Optimisation

15 : 40~16 : 20 Chairman Kazuaki Terasawa (Saitama Red Cross Hospital)
Jun Nakane (Saitama Medical Center)

69. Optimum Scan Timing of Portal Venous Phase on Abdominal Dynamic CT
Department of Radiology, Mie University Hospital Masaru Inoue
70. Computed-Tomography Angiography of Lower Extremity Arteries with Optimized Scan Time and Contrast Medium Dose Based on the Peripheral Artery Test Bolus Technique
Department of Radiology, Ishinkai Yao General Hospital Takashi Hoshino
71. Reduction of Contrast Medium Based on Dose Efficiency in a Virtual Monoenergetic Image Compared with Low Tube Voltage
Department of Radiology Saiseikai Kawaguchi General Hospital Hironobu Tomita
72. Effects of a Saline Chaser Administered via Spiral Flow Tube on a Fast kV-switching Dual Energy CT Scan Using a Low-dose Contrast Media Protocol
Department of Radiological Technology, Onomichi General Hospital Tomokatsu Tsukamoto

Imaging Techniques and Research (CT) Contrast Technique: Detectability

16 : 20~17 : 00 Chairman Kohei Harada (Sapporo Medical University Hospital)
Yoshihito Aikawa (University of Yamanashi Hospital)

73. A New Method of Measuring the Amount of Body Fat Using CT Image for Lean Body Weight
Department of Medical Technology, Funabashi Municipal Medical Center Keigo Hayashi
74. Effect of Patient Characteristics on Vessel Enhancement at Lower Extremity CT Angiography
Tsuchiya General Hospital Yukari Yamashita
75. An Experimental Study on the Feasibility of the Injection of Contrast Medium via an Upper Arm Central Venous Port Implantation System (Power Port Slim) Using Computed Tomography Power Injector
Department of Medical Technology, Division of Radiology, Nara City Hospital Kengo Maehara
76. Evaluation of the Depiction Precision of the Soleal Vein in Contrast Enhanced CT Using Low Tube Voltage for Deep Vein Thrombosis
Department of Diagnostic Imaging, Amagasaki Chuo Hospital Takeshi Nomamoto

Imaging Techniques and Research (CT) Contrast Technique: Chest

17 : 00~17 : 50 Chairman Toshiharu Miyoshi (Gifu University Hospital)
Ken Takada (Ogaki Municipal Hospital)

77. A Study of a New Contrast Method in Pulmonary Artery/Vein Contrast Computed Tomography
Department of Radiology, Tokyo Medical University Hachioji Medical Center Tadahiyo Nitta
78. Study of Simultaneous 64-Row MDCT Pulmonary Arteriography and Venography Using Test Bolus Tracking Method
Division of central Radiology, Iwate Medical University Hospital Shun Abe
79. Study of the Effectiveness of the Spiral Flow Type Tube in Pulmonary 3D-CTA
General Foundation Ohara Memorial Foundation Diagnostic Imaging Center Shun Muramatsu
80. Evaluation of Image Quality from Helical and Volume Pulmonary Computed Tomography Angiography with a Split-bolus Single-phase Protocol and Test Bolus Tracking for the Simultaneous Visualization of Pulmonary Artery and Vein
Department of Radiology, Shiga Medical Center for Adults Tetsuya Kitano
81. Study of the Trapezoidal-Cross-Injection Method with the New Mixing Tube in Lung Perfused Blood Volume
Central Radiation Unit, Toho University Omori Medical Center Tomoya Yazaki

April 13 (Thu.) 414 + 415

Measurement (Computed Tomography) Radiation Dose Evaluation

13 : 00~14 : 00 Chairman Koichiro Ochiai (Inagi Municipal Hospital)
Yuta Matsunaga (Nagoya Kyoritsu Hospital)

82. Determination of the Correction Factor for Improving CTDI Measurement Accuracy Using a Semiconductor Detector
Saiseikai Kawaguchi General Hospital Masakazu Shito
83. Measurement of Fan-Beam X-ray Spectra with a Rotating Exposure Mode in CT Using Columnar Carbon Scatterer and Lead Collimator
Department of Radiology, Fujita Health University Hospital Tomonobu Haba
84. The Sequential Output Measurement of Computed Tomography Using the Recording Function of a Smartphone
Aichi Medical University Masato Yamauchi
85. Organ Dose Evaluations Based on Monte Carlo Simulation for Pediatric CT Examinations Using Tube Current Modulation
Nagoya University Graduate School of Medicine Keisuke Fujii
86. Visualization of Entrance Surface Dose during CT Examination Using Small-type OSL Dosimeter
Graduate School of Health Sciences, Tokushima University Yoshiki Mihara
87. Fundamental Study for Direct Measurement of Entrance-Surface Dose Using a Small-Type OSL Dosimeter during Dual Energy Computed Tomography
-Availability of the Dose Calibration Curve Derived with Diagnostic X-ray Equipment-
Department of Radiological Technology, Yamaguchi University Hospital Kazuki Takegami

Measurement (Mammography) Radiation Dose Evaluation

14 : 00~14 : 40 Chairman Takahiro Minamoto (Hyogo College of Medicine Hospital)
Michiko Nemoto (Keio University Hospital)

88. Usefulness of the Self-Made Semiconductor Dosimeter in Mammography
Department of Radiology, Northern Okinawa Medical Center Tomoko Sekiguchi
89. Evaluation of the Uncertainty of the X-ray Calibration Field for Mammography
Graduate School of Health Sciences, Ibaraki Prefectural University of Health Sciences Erika Nakajima
90. Study on the Accuracy of the Display Value on the Mammography Unit
Department of Radiological Technology, Faculty of Health and Welfare, Tokushima Bunri University Rie Ishii
91. A Study of Half-Value Layer and Average Glandular Dose Measurement by the Simple Dosimeter Using a Photodiode
Department of Diagnostic Radiology, Tokyo Metropolitan Hiroo Hospital Tsuyoshi Kobayashi

Measurement (General Radiography) Radiation Dose Evaluation

14 : 40~15 : 20 Chairman Hitoshi Sato (Ibaraki Prefectural University of Health Sciences)
Hiroyuki Arakawa (Teikyo University)

92. Proposal of Dose Evaluation Method Using Diagnostic Reference Level and Deviation Index in General Radiography
Fujita Health University Graduate School of Health Sciences Koji Ono
93. Evaluation of X-ray Spectrum after Object Penetration in Radiography: Comparison of Measurement and Monte Carlo Simulation
Department of Radiology, University Hospital of Occupational and Environmental Health Ryohei Kuroki
94. First Observation of Dose Exposure to Assistants during Pediatric X-ray Procedure by Means of a Small-Type OSL Dosimeter
Graduate School of Health Sciences, Tokushima University Yoshiki Mihara
95. Research on the InI Novel Semiconductor Radiation Detector
Department of Health and Environmental Science, College of Health Science, Korea University, Seoul, Korea So hee Lim

Radiation Protection (Multi-modality) Dose Management, Diagnostic Reference Level

15 : 20~15 : 50 Chairman Takayuki Igarashi (Asahi Hospital)
Yuutaro Mori (University of Tsukuba)

96. Evaluation of the Entrance Surface Dose with Clinical Images: Transition of the Dose Using Auto Exposure Control
Department of Radiology, Fujita Health University Hospital Takuma Ichikawa

97. Survey of Catheter Angiography. Actual Conditions of Exposure Management and Radiation Protection Equipment Use
Department of Radiology, Sakakibara Heart Institute Hiroe Takura
98. Difference between Facilities of Entrance Surface Dose in General Radiography
Fujita Health University Graduate School of Health Science Yuya Kondo

Radiation Protection (Multi-modality) Eye Lens Exposure

15 : 50~16 : 30 Chairman Yasutaka Takei (Hamamatsu University School of Medicine)
Toru Ishibashi (Tsuchiya General Hospital)

99. Reducing the Radiation Exposure of Caregivers during Computed-tomography Examinations: Development and Usefulness of a Radiation Protective Curtain
Department of Radiological Technology, Showa University Fujigaoka Hospital Satoka Moroi
100. Analysis of Radiation Dose for the Operator Lens in Interventional Radiology by Use of a Personal Dosimeter
Department of Clinical Radiology, Tottori University Hospital Takuro Tanaka
101. Phantom Study and Questionnaire of Radiation Protection System for Endoscopic Retrograde Cholangiopancreatography
Department of Radiology, Tenri Hospital Shinnosuke Higashi
102. The Effect of the Radiation Protection Education for the Operator's Lens in Cardiac Catheterization
Showa University Toyosu Hospital Shinichiro Sumi

Radiation Protection (IVR) Dose Management

16 : 30~17 : 10 Chairman Takao Ichida (Osaka City University Hospital)
Yusuke Masubuchi (Nasu Red Cross Hospital)

103. Trial Production and Evaluation of the Scattered Radiation Protection Gloves Department of Radiology, Belland general Hospital Yoshiaki Suzuki
104. Radiation Dose Reduction in Interventional Fluoroscopy in Conjunction with Spectral Shaping Filters
Department of Radiology, Shiga Medical Center for Adults Nao Ichikawa
105. A Radiation Exposure Evaluation and Tendency to Patients during Endovascular Procedures by Using Mobile Type C-Arm
Department of Radiology technology, ichinomiya municipal hospital Syota Teramatsu
106. Study of Exposure Reduction Using a Rordmap Fluoro Record in the Brain Vascular Treatment
Department of Radiology, Showa University Fujigaoka Hospital Koshi Sakiyama

April 13 (Thu.) F201 + 202

Radiotherapy 4D CT

13 : 00~13 : 40 Chairman Mikio Nemoto (Jichi Medical University Hospital)
Yoshihiko Hoshino (Gunma University Hospital)

107. The Effect of Four-Divided CBCT on the Reconstructed Image in Lung Cases
Division of Radiology, Seirei Hamamatsu General Hospital Yasuyuki Sugiura
108. Effects of Exposure Conditions of the Four-Dimensional CBCT Has on the Image
Department of Radiology, The Jikei University Katsushika Medical center Hiroaki Suzuki
109. Impact of Low Temporal Correlation between Target and Breathing Surrogate Signal Motions on Four-Dimensional Cone Beam Computed Tomography (4D-CBCT) Images
Department of Radiology, Kyoto City Hospital Kazunori Tanaka
110. Study of Imaging Conditions of Each Scan Methods in Treatment Planning CT with Motion Phantom
Department of Radiological Center, Nippon Medical School Chiba Hokusoh Hospital Naoki Tomita

Radiotherapy Treatment planning, Simulation

13 : 40~14 : 40 Chairman Ichiro Tsuruoka (National Institute of Radiological Sciences)
Toshiyuki Inoue (St. Marianna University School of Medicine)

111. Basic Examination of the MRI System for Radiotherapy Planning
Department of Central Radiology, Nagoya City University Hospital Harumasa Kasai

112. Attempt of Geometric Distortion Reduction Using Multi Stack Imaging Methods in MRI for Radiation Treatment Planning
Department of Radiology, Nagoya City University Hospital Yuto Kitagawa
113. Development of Skeletal Wide Marrow Composition Assessment and Functional Marrow Irradiation Using Dual-Energy CT
Department of Radiological Sciences, Faculty of Health Sciences, Komazawa University Taiki Magome
114. The Optimum Iodine Extraction Method for Constructing the System to Extract Iodine and Calculate the Dose Accurately with Dual Energy CT
Radiation Therapy Section, Department of Clinical Support, Hiroshima University Hospital Daisuke Kawahara
115. CT Number and Electron Density Relationship for Dose Calculation in Lung Region with Volumetric Modulated Arc Therapy Technique
Medical imaging, Department of Radiology, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand Siriporn Wong
116. The Study of Image Support by Co-60 STI Plan
Department of Radiology, The University of Tokyo Hospital Kenji Ino

Radiotherapy IGRT Verification

14 : 40~15 : 10 Chairman Tomoharu Sato (Cancer Institute Hospital)
Fumiyasu Matsubayashi (The Cancer Institute Hospital of JFCR)

117. Evaluation of the Image Registration Program for Portal Images Using CR and DRR Images in Radiation Therapy
Showa University, Graduate School of Health Sciences Hiroyuki Watanabe
118. The Influence of Bowtie Filtration Using Collimator on Cone-Beam CT Image Quality
Department of Radiology, Sendai Kousei Hospital Masayuki Kato
119. Estimation of Absorbed Dose Using an EPID-based Dose Re-construction of the Collapsed Cone Convolution Algorithm
Department of Radiology, JICHI Medical University Hospital Mikio Nemoto

Radiotherapy Detector

15 : 10~16 : 10 Chairman Kaoru Ono (Hiroshima Heiwa Clinic)
Hideki Aoyama (Okayama University Hospital)

120. Study of Optimal Output Coefficient of a Circular Cone with a Plurality of Measuring Devices
Department of Radiology, Fukushima Medical University Hospital Masahiro Harata
121. Output Factor Comparison by Using Four Detectors in Small Field Dosimetry
Medical Imaging Program, Radiology Department, Faculty of Medicine Chulalongkorn University, Bangkok, Thailand Samuel Mamesa
122. Basic Properties of the Polymer Gel Dosimeter Based on Thermo-Irreversible Hydrogel
3D Gel Dosimeter Research Laboratory, Innovation Center, RIKEN Mikio Nemoto
123. Investigation of the Lateral Scanner Effect Correction Method in the Radiochromic Film by Calibration Map
Department of Radiology, Gifu Prefectural Tajimi Hospital Shigeyoshi Kamada
124. Cross-calibration of a Semiconductor Dosimeter to Measure Rectal Dose
Department of Radiology, Yamaguchi Prefectural Grand Medecal Center Ken'ichiro Yasui
125. Basic Study to Verify the Small Field in the Gantry-Mounted 3-Dimensional Patient Dose Analysis System
Department of Radiology, Seirei Hamamatsu General Hospital Tatsunori Matsumoto

Radiotherapy QA/QC

16 : 10~17 : 00 Chairman Koji Sasaki (Gunma Prefectural College of Health Sciences)
Tomonori Goka (Takasaki General Medical Center)

126. Estimation of Dynamic MLC Parameters Using the Dynamic MLC Position Accuracy Analysis Software
Department of Radiology, Toyama University Hospital Nobuyuki Shiroasaki
127. A Performance Comparison of 2 Types Multi-Leaf-Collimator Mounted on Robotic Radiosurgery System
Division of Quality management group for radiotherapy, TOYOTA memorial hospital Junji Suzuki
128. Quality Assurance of High-Definition Multi-Leaf Collimator with Pulse Width Modulation Analysis
Hiroshima Heiwa Clinic High-precision Radiotherapy Center Hisashi Nakano
129. Cumulative Quantitative and Qualitative Mechanical Troubles in High Precision Equipment
Ogaki Municipal Hospital Keisuke Tanaka
130. Reconstruction of New Method for I-125 Seed-Ray Source Management System
Section of Radiological Technology, Department of Medical Technology, Kanazawa Medical University Hospital Osamu Yamashita

147. Simplified Approach to Quantification for Hand Synovitis in Rheumatoid Arthritis Using Dynamic Contrast Enhanced MRI: Full-Automatic Pixel-By-Pixel Analysis
Graduated School of Health Science, Hokkaido University Yuto Kobayashi
148. Geometry Variations in Calcaneofibular Ligament by Ankle Position Using 3D Balanced SSFP Sequence
Division of Radiology and Nuclear Medicine, Sapporo Medical University Hospital Yoshihiro Akatsuka
149. Evaluation of Image Quality by Quiescent-Interval Single-Shot Using Spoiled Gradient Echo
Department of Radiology, Aichi Medical University Hospital Makoto Endo
150. Effect of Barium Sulfate Pad in Cervical MR Imaging
Department of Radiology, Chiba Saiseikai Narashino Hospital Satoru Nagata

Imaging (MRI) Brain: Imaging Technique

15 : 20~16 : 10 Chairman Kenichiro Yamamura (Osaka Medical College Hospital)
Daisuke Kimura (Osaka City University Hospital)

151. Comparison of the Capability of Motion Correction of Conventional Radial Scan and Extended Radial Scan
Department of Radiology, Meiwa Hospital Yoshihiro Ozaki
152. Optimization of Sequence and Parameter of MRI Navigation Image for Deep Brain Stimulation
Department of Radiology, Shimane University Hospital Hiroya Asou
153. The Quantitative Evaluation of White Matter Lesion Using Image Normalized by Mean Signal Value of Normal Part of White Matter in MRI: Evaluation of Signal Value Distribution of White Matter
Department of Radiology, Saitama City Hospital Yoshiomi Sato
154. Background Field Removal Technique Using Non-Regularized Variable Kernels Sophisticated Harmonic Artifact Reduction for Phase Data in Quantitative Susceptibility Mapping
Department of Radiology, Nagoya City University Hospital Hirohito Kan
155. Study on 3D ASL Anatomical Position after Reformat Process and CBF Value
Nagano Municipal Hospital Masaki Kobayashi

Imaging (General Radiography, IVR) Dose Reduction

16 : 10~16 : 40 Chairman Kenji Kishimoto (Osaka City University Hospital)
Tetsuta Izumi (Osaka International Cancer Institute)

156. Evaluation Method for Optimal Scattered Radiation Correction Processing Using the Exposure Index
Department of Radiological Technology, Saiseikai Kawaguchi General Hospital Kazuya Mori
157. Digital Zoom Function and Automatic Brightness Control in Percutaneous Coronary Intervention: Comparison of Radiation Exposure Reduction Effect and Image Quality Assessment
Department of Radiological Technology, Ichinomiya Municipal Hospital Kenji Hasegawa
158. Application of a New Interpolation Technique for Dose Reduction in Tomosynthesis
Division of Clinical Radiology, Tottori University Hospital Ryohei Fukui

Imaging (General Radiography, Fluoroscopy) CAD: Radiography

16 : 40~17 : 20 Chairman Yongbum Lee (Niigata University)
Haruyuki Watanabe (Gunma Prefectural College of Health Sciences)

159. Computerized Analysis of Finger Joint Space Narrowing in Rheumatoid Arthritis Patients: A Reproducibility Study with an Emphasis on the Effect of Steroid Treatment
Graduate School of Health Sciences, Hokkaido University Katsuya Hatano
160. Measurement Capability of Regional Pulmonary Function in Dynamic Chest Radiography: A Preliminary Study in Pigs
College of Medical, Pharmaceutical & Health Sciences, Kanazawa University Rie Tanaka
161. Dynamic Chest Radiography for Follow-Up Assessment of Diaphragmatic Movement
College of Medical, Pharmaceutical & Health Sciences, Kanazawa University Rie Tanaka
162. Utility of the Noise Reduction Process Using the Machine Learning
Wako Group, Futaba Hospital Yasuhiro Fujihara

Imaging (Multi-modality) CAD: Multi-modality

17 : 20~18 : 00 Chairman Rie Tanaka (Kanazawa University)
Shu Onodera (Tohoku University Hospital)

163. Automated Detection of Breast Tumors Using Dedicated Breast PET Images and PET / CT Images: Preliminary Study on a Hybrid Detection Scheme
Graduate School of Health Sciences, Fujita Health University Natsuki Minoura

164. Automated Segmentation of Normal Articular Cavity for Rheumatoid Arthritis in Ultrasonography
School of Radiological Technology, Gunma Prefectural College of Health Sciences Haruyuki Watanabe
165. Development of Automated Multiplaner Reconstruction Technique for Head CT Scan
Department of Radiology and Nuclear Medicine, Research Institute for Brain and Blood Vessels-Akita Noriyuki Takahashi
166. Classification of Stool and Gas in Large Intestine Using Machine Learning
Graduate School of Science and Technology, Kumamoto University Kanako Tomihara

April 14 (Fri.) 501

Imaging Techniques and Research (MRI) Musculoskeletal: MRE, MRS

- 8 : 50~9 : 50 Chairman Yuji Akiyama (Hiroshima University Hospital)
Keisuke Honjo (Hiroshima City Hiroshima Citizens Hospital)
167. The Influence of Hose-Length in Living Body on Oscillation Intensity in MR Elastography
Department of Radiological Science, Tokyo Metropolitan University Tetsushi Habe
168. The New Approach to Obtain Different Vibration Phase Images in MR Elastography
Department of Radiological Science, Tokyo Metropolitan University Keisuke Igarashi
169. Study of the Appropriate Position of the Vibration Pad in MR Elastography of the Piriformis Muscle
Department of Radiological Science, Tokyo Metropolitan University Takamichi Ueki
170. Modulus Measurement of Psoas Major Muscle with MR Elastography
Department of Radiological Science, Graduate School of Human Health Science, Tokyo Metropolitan University Takaaki Onishi
171. Fusion of the Simple MR Elastography and a Dixon Method
Department of Radiological Science, Tokyo Metropolitan University Tomokazu Numano
172. Characteristics of Fat Content in Paraspinal Muscle Using MR Spectroscopy: Analysis of Intra- and Extra-Myocellular Lipids
Division of Radiology and Nuclear Medicine, Sapporo Medical University Hospital Hiroyuki Takashima

April 14 (Fri.) 503

Radiation Protection (CT) Dose Evaluation

- 16 : 50~17 : 50 Chairman Takanori Masuda (Tsuchiya General Hospital)
Daisuke Yamazaki (National Center for Global Health and Medicine)
173. Exposed Dose Evaluation Which Used the Radiophotoluminescent Glass Dosimeter of the Auditory Ossicle CT Scan
Department of Radiology, Hospital of the University of Occupational and Environmental Health Keisuke Nagamoto
174. Feasibility of Low-Dose CT for Patients of Different Ages Undergoing Cardiac PET/CT or SPECT/CT: A Phantom Study
Department of Medical Imaging and Radiological Sciences, Tzu-Chi University of Science and Technology, Taiwan Hung-Te Yang
175. Estimation of Fetal Radiation Dose for Computed Tomography Using the Dose Length Product
Department of Imaging, Nagoya Kyoritsu Hospital Yuta Matsunaga
176. Usefulness of Size-Specific Dose Estimates (SSDE) for Volume and Helical Scans in Computed Tomography (CT) Examination
Department of Health Sciences, Hokkaido University Marin Terashima
177. Evaluation of Radiation Exposure and Image Quality in Lung Cancer Screening Using Low-dose Computed Tomography
Department of Radiological Technology, Seirei Healthcare Support Center Shizuoka Chiaki Suzuki
178. Comparison of Size Specific Dose Estimate Calculated from Patient Size Using CT Image and CT Localizer Radiograph
Department of Radiology, The JIKEI University Kashiwa Hospital Kazuki Kuriyama

April 14 (Fri.) 414 + 415

Clinical Safety and Others

- 14 : 50~15 : 20 Chairman Daisuke Kobayashi (University of Tsukuba Hospital)
179. Relative Evaluation of the Medical Radiology Technician in the Medical Fee Revision
Department of Radiology, Niponkokan Hospital Takeo Sato

180. Use of Scatter Radiation Projection Mapping for Training of Nursing Personnel

Graduate School of Health Sciences, Fujita Health University Masanao Kobayashi

181. The Present Situation and the Analysis of the Omission in the Questions of the CT Contrast Consent Form in Our Hospital

Department of Radiology, Tohoku University Hospital Katsunori Ono

Imaging Techniques and Research (IVR) Evaluation

15 : 50~16 : 30 Chairman Hideki Kato (Tochigi Cancer Center)

Shinichi Otsuki (Saiseikai Utsunomiya Hospital)

182. Observer Reliability of Automatic Feeder Vessel Detection in Chemoembolization Procedures for Hepatocellular Carcinoma (HCC)

Department of Medical Technology, Division of Radiology, Osaka University Hospital Kuniyuki Hidaka

183. Effects of Scattered X-ray Photons on Image Quality of C-Arm Cone-Beam Computed Tomography

Department of Medical Imaging and Radiological Sciences, Tzu-Chi University of Science and Technology, Taiwan Hung-Hsuan She

184. Development of a New Digital Subtraction Angiography Technique for Coronary Artery via Machine Learning

Hiroshima International University Megumi Yamamoto

185. Evaluation of the Usefulness of Time Axis Granular Measurements for Vascular Fluoroscopy and Radiography

Department of Radiology, Fukushima Medical University Hospital Kazuya Kakuta

Imaging Techniques and Research (IVR) Analysis

16 : 30~17 : 10 Chairman Yasunobu Fukunishi (Saito Yukoukai Hospital)

Daisuke Sakabe (Kumamoto University Hospital)

186. Comparison of Measuring Precision for Cerebral Aneurysm between Two Kinds of 3D Workstation

Department of Radiology, Fujita Health University Hospital Takahiro Suzuki

187. A Fundamental Study on the Characteristics of C-Arm CT Protocols and Blood Volume Image in Abdominal Imaging

Central Radiology Department, Osaka City University Hospital Akihiko Kakimi

188. Quantitative Evaluation of the Effects on Hemodynamics of Carotid Bifurcation of Vessels

Department of Radiological Technology, Kokura Memorial Hospital Tatsunori Saho

189. Examination of the CFD Analysis Result to Be Seen in the Occurrence Part of the Cerebral Aneurysm Examination with the Phantom and the Clinical Study

Department of Radiology, Showa University Graduate School of Health Sciences Yuichi Nakai

Imaging Techniques and Research (IVR) Technology

17 : 10~17 : 50 Chairman Hajime Sakamoto (University of Yamanashi Hospital)

Jun Miyagawa (Shinshu University Hospital)

190. Assessment of Usefulness of Patient Immobilizers for the Treatment with Computed Tomography Guided Radiofrequency Ablation

Miyakojima IGRT Clinic Kenji Uemoto

191. A Basic Study of the Factors Involved in the Prognosis of Cerebral Endovascular Treatment

Department of Radiological and Medical Laboratory Sciences, Nagoya University Graduate School of Medicine Takumi Kuriyama

192. Clinical Experience of the Simultaneous Scan Technique for HCC Imaging

Central Radiology Department, Osaka City University Hospital Yoshinori Takao

193. Clinical Usefulness of Digital Zoom Function for Dose Reduction in Percutaneous Coronary Intervention

Department of Radiological Technology, Ichinomiya Municipal Hospital Kenji Hasegawa

April 14 (Fri.) Harbor Lounge B

Imaging Techniques and Research (Other) Tomosynthesis

15 : 50~16 : 30 Chairman Masahiro Nakajima (Kofu Municipal Hospital)

Kaoru Ikeno (National Cancer Center Hospital East)

194. Effects of Source to Image Receptor Distance in Tomosynthesis

Tokyo Women's Medical University Medical Center East Keita Sato

195. Evaluation of Section Thickness and Metal Artifact in Lumbar Spine Tomosynthesis with the Phantom
Division of Clinical Radiology Service, Kyoto University Hospital Shuki Maruyama
196. Basic Examination of the Optimal Radiography Condition in the Lumbar Spine Tomosynthesis
Department of Radiology, Kyorin University Hospital Naoya Hashimoto
197. Examination of the THA Lateral Photography Method in the Tomosynthesis
Department of Radiology, Iida Byoin Tatsuya Gotoh

April 14 (Fri.) F201 + 202

Radiotherapy Dose Management

8 : 50~9 : 40 Chairman Noriyuki Kuga (Miyazaki University Hospital)
Yuji Nakaguchi (Kumamoto University Hospital)

198. Measurement of Entrance Skin Dose by X-ray Fluoroscopic Tracking in Dynamic Tumor Tracking Radiotherapy Using Small-type Optically Stimulated Luminescence Dosimeter
Hiroshima High-Precision Radiotherapy Cancer Center Takaaki Matsuura
199. The Radiation Dose Management and Examination of the Scan Condition for the Isolated Lung Tumor Using 4D CBCT System
Kyorin University Hospital Masato Mizuno
200. Examination of a Cervical Surface Dose Using Radiophotoluminescent Glass Dosimeter in Head and Neck Radiation Therapy
Department of Radiology, Tohoku University Hospital Naoshi Sato
201. Validation of Incident Dose and Scan Conditions of a CBCT Scan Using a Commercial Semiconductor Dosimeter
Department of Radiology, Kindai University Hospital Kenji Matsumoto
202. Evaluation of Exposure Dose to the Lens Irradiated by kV-Imaging of IGRT for Head and Neck
Section of Radiological Technology, Department of Medical Technology, Kanazawa Medical University Hospital Hisahiro Saito

Radiotherapy Radiological Biology

9 : 40~10 : 20 Chairman Masahide Tominaga (Tokushima University Graduate School)
Hirofumi Honda (Ehime University Hospital)

203. Experience of a New Treatment of Cancers, Kochi Oxydol-Radiation Therapy for Unresectable Carcinomas
Nagasaki Prefecture Shimabara Hospital Yohta Inoue
204. Basic Investigation to Optimize Radiation Dose Using Biological Information in Radiotherapy
Department of Radiation Sciences, Hirosaki University Graduate School of Health Sciences Tatsuya Ueno
205. DNA Damage Estimation Model Based on the Cell Cycle and Statistical Variation of Radiation Energy Deposition
Graduate School of Health Sciences, Hokkaido University Ryosuke Mori
206. Survival Time Prediction after Radiation Therapy for Patients with Glioma Based on Support Vector Machine
Department of Radiological Sciences, Faculty of Health Sciences, Komazawa University Takuya Mizutani

Imaging Techniques and Research (MRI) Head and Neck MRA

15 : 50~16 : 50 Chairman Kinya Ishizaka (Hokkaido University Hospital)
Kuniaki Harada (Hitachi, Ltd.)

207. Evaluation of Selective Magnetic Resonance Angiography Using Arterial Spin Labeling Magnetic Resonance Angiography
Hiroshima Heiwa Clinic Shunsuke Hasegawa
208. Acoustic Noise Reduction in Quiet Radial Sequence
Hitachi, Ltd. Healthcare Business Unit Kuniharu Oka
209. A Study on Blood Vessel Depiction Performance of Intracranial Stent Lumen in TOF-MRA Using a Contrast Agent
Department of Radiological Technology, Hyogo College of Medicine Hospital Takashi Ikeda
210. Utility Consideration of Simultaneous Noncontrast Angiography and Intraplaque Hemorrhage (SNAP) Sequence in Carotid Arteries
The department of Radiological Technology, Seirei Mikatahara General Hospital Takuya Matsumoto
211. The Investigation of Thresholds of Vessel Wall Biomarkers to Predict Initiation of Intracranial Aneurysms
Department of Radiological and Medical Laboratory Sciences, Nagoya University Graduate of Medicine Takashi Mizuno
212. Comparison of Sparsity between Four-dimensional Time of Flight Magnetic Resonance Angiography (4D-TOF MRA) and Arterial Spin Labeling Magnetic Resonance Angiography (ASL MRA)
Department of Radiology, Tokai University Hospital Toshiki Saito

Imaging Techniques and Research (MRI) Liver: Contrast Enhancement, MRE

16 : 50~17 : 40 Chairman Kei Fukuzawa (Toranomon Hospital)

Shuheishi Shibukawa (Tokai University Hospital)

213. Influence of the Double Arterial Phase in Liver Magnetic Resonance Imaging Using High-Speed Parallel Imaging
Department of Radiological Technology, Toranomon Hospital Yoshinori Tsuji
214. Simulation of Ringing Artifacts in Multi-arterial Phase Dynamic Magnetic Resonance Imaging Using a Keyhole Technique
Division of Radiology, Department of Clinical Technology, Niigata University Medical and Dental Hospital Tatsuya Kondo
215. Evaluation of View Sharing Percentage and Reference Phase in Four-Dimensional T1-Weighted High Resolution Imaging with Volume Excitation (4D THRIVE)
Department of Radiological Technology, Kindai University Hospital Daisuke Morimoto
216. The Presence of Partial Volume Effect Specific to MR Elastography
Department of Radiological Science, Graduate School of Human Health Science, Tokyo Metropolitan University Daiki Ito
217. The Effects of Poor Breath-Holding on Magnetic Resonance Elastography(MRE) Measurement
Department of Radiology, Yokohama Sakae Kyosai Hospital Taiki Ishii

April 14 (Fri.) F203 + 204

Imaging (Multi-modality) Breast

8 : 50~9 : 50 Chairman Rie Ishii (Tokushima Bunri University)

Akiko Hirota (Tottori University Hospital)

218. Examination of the Objective Quality Control Measures for Breast Ultrasound Using the Phantom Analysis Tool: An Initial Study
Department of Radiological Technology, Faculty of Health Sciences, Gifu University of Medical Science Norimitsu Shinohara
219. Study on the Relationship between the Incident Photon Number and the Average Glandular Dose in the High Energy Region with Monte Carlo Simulation
Department of Radiological Science, Graduate School of Medicine, Nagoya University Reina Suzuki
220. Basic Study of Mammography Real Time Image
Keio University Hospital Michiko Nemoto
221. withdrawn
222. Identification of Resected Breast Specimens Using X-ray Spectrum with a Cadmium Telluride Detector
Department of Radiological Science, Graduate School of Medicine, Nagoya University Mariko Sasaki
223. Evaluation of High-Resolution Medical Color Monitor and 4K Tablet for Mammography
Department of Radiological Technology, Faculty of Health Sciences Gifu University of Medical Science Norimitsu Shinohara

Imaging (MRI) Heart

9 : 50~10 : 50 Chairman Yasuhiro Goto (Tokyo Women's Medical University Hospital)

Takashige Yoshida (Tokyo Metropolitan Police Hospital)

224. Experience of Cardiovascular Magnetic Resonance T1mapping Using a 3.0 T Scanner in Cardiomyopathy Patients
Department of Radiology, Kobe City General Hospital Ryosuke Nasada
225. Study of Cardiovascular Magnetic Resonance T1mapping Using a 3.0 T Scanner : Assessment of Accuracy
Department of Radiology, Kobe City General Hospital Ryosuke Nasada
226. Comparison of Image Quality Characteristics Due to Receiving-Coils Configuration and the Phase-Encoding Direction Change in Parallel-Imaging
Department of Radiology, Nagano Chuo Hospital Kouta Ishizaka
227. Study of the Method of Estimating the Heart Axis Angle for the Electrocardiogram Electrode Placement in Cardiac MRI Examination
Department of Radiology, Toranomon Hospital Hidesato Suzuki
228. Four-Dimensional Cardiac MR Imaging Reconstructed from Standard Cine MR Data Sets with Temporal and Spatial Interpolation
Department of Radiological Technology, Faculty of Fukuoka Medical Technology, Teikyo University Masateru Kawakubo
229. Comparison of Myocardial Blood Flow Measured by Model Analysis Using Myocardial MR Perfusion and O-15 Water PET
Fujita Health University Graduate School of Health Sciences Keita Fukui

248. Effect of Iterative Reconstruction on CT Image Quality of Metal Artifact Reduction
Department of Radiology, Yamagata University Hospital Kazutaka Hoyoshi
249. Usefulness of a Novel Arm Artifacts Reduction Algorithm for Computed Tomography
Faculty of Health Sciences, Institute of Medical, Pharmaceutical and Health Sciences, Kanazawa University Hiroki Kawashima
250. Evaluation of Iterative Reconstruction Images Using a Statistical Method and Chest Phantom
Department of Radiology, Saitama Medical Center Jun Nakane
251. Evaluation of the CT - Subtraction Technique with Metal Artifact Reduction Processing
Department of Radiological Technology, KEIO University Hospital Shota Masuda
252. The Impact of Agatston Scores with Metal Artifacts
Department of Radiology, The University of Tokyo Hospital Kenji Ino
253. Full Reconstruction of Valve Leaflets after Transcatheter Aortic Valve Replacement for Visibility Evaluation: A Phantom Feasibility Study
Department of Radiological Technology, Mitsui Memorial Hospital Toshihiro Minagawa

April 15 (Sat.) 501

Nuclear Medicine (SPECT, Planar) Instrument

8 : 50~9 : 20 Chairman Shigeki Ito (Kumamoto University)

254. Performance Measurements of Small Animal SPECT-PET/CT System
Department of Radiological Technology, School of Health Sciences, College of Medical, Pharmaceutical and Health Sciences, Kanazawa University
Syun Ogihara
255. The Optimization of the Reconstruction Parameter for Small Animal SPECT-PET/CT System
Department of Radiological Technology, School of Health Sciences, College of Medical, Pharmaceutical and Health Sciences, Kanazawa University
Takayuki Kanno
256. The Development of New Semiconductor Detectors Using Thallium Bromide for Single-Photon Emission Computed Tomography: Performance Evaluation of the Multi-Pixel Detector
Department of Quantum Science and Energy Engineering Graduate School of Engineering, Tohoku University Nobumichi Nagano

Nuclear Medicine (SPECT, Planar) Brain and Cardiac Imaging

9 : 20~10 : 10 Chairman Akira Ando (Hokkaido Ohno Memorial Hospital)
Koutatsu Tsuboi (Hamamatsu Red Cross Hospital)

257. Evaluation of Effect of Plate Electrode for EEG Measurement on SISCOM
Department of Radiology, Nishi-Niigata Chuo National Hospital Junki Nishikata
258. Validation of New Quantitative Index with Standardized Uptake Value for Brain Tumor Scintigraphy
Department of Radiology, Kawasaki Medical School General Medical Center Masahiro Miyai
259. Studies on the Precision Improvement of the HM Ratio Measurement by Using SPECT-CT
Department of Radiological and Medical Laboratory Science, Nagoya University Graduate School of Medicine Ryuto Mukumoto
260. Normal Data Base for Phase Parameters in Myocardial Perfusion Imaging and Determining the Factors
Department of Radiological Technology, School of Health sciences, College of Medicine, Pharmaceutical and Health sciences, Kanazawa University
Ringo Tatami
261. Usefulness of the First Pass Images in ^{99m}Tc Myocardial Perfusion Scintigraphy, Comparison with Cardiac CT and the SPECT
Department of Radiology, Japanese Red Cross Okayama Hospital, Okayama, Japan Kazutoshi Tsuno

Nuclear Medicine (SPECT, Planar) Multi-focus Fan Beam Collimator, Semiconductor Detector

10 : 10~11 : 10 Chairman Norikazu Matsutomo (Kyorin University)
Hayato Ishimura (Ehime University Hospital)

262. Usefulness Iodine-123 Myocardial SPECT Using Multi-Focus Collimator
Department of Radiological Technology School of Sciences College of Medical, Pharmaceutical and Health Sciences, Kanazawa University
Ayumi Niitsuma

263. Studies of Image Contrast in Simultaneous Myocardial Imaging with Dual Radionuclides Using Cardiac Focusing Collimator
Department of Radiological and Medical Laboratory Science, Nagoya University Graduate School of Medicine, Nagoya, Japan Keta Kunimoto
264. Validation of Myocardial Perfusion Imaging Using Multifocal Collimator Compared with Conventional Single-photon Emission Computed Tomography and Echocardiographic Measurement Department of Radiological Technology, Kanazawa University Hospital Hiroto Yoneyama
265. Evaluation of Wall Thickening on Myocardial SPECT Using Reconstruction Algorithms in a Solid-State Dedicated Cardiac Camera
Department of Radiological Technology, Kurashiki Central Hospital Kunihito Tsuboi
266. Study of Washout Rate Analysis for Thallium-201 Myocardial Perfusion Single-Photon Emission Computed Tomography Using Solid-State Dedicated Cardiac Gamma-Camera Department of Radiology, Hyogo Brain and Heart Center at Himeji Masaru Ishihara
267. Examination of the Characteristics of the Count Rate Using a Semiconductor Cardiac SPECT System
Department of Radiology, Fukuokaken Saiseikai Futsukaichi Hospital Tomohisa Fukunaga

Nuclear Medicine (SPECT, Planar) Quantitative Analysis

11 : 10~11 : 50 Chairman Yasushi Yamamoto (Shimane University Hospital)
Takashi Yamanaga (Osaka City University Hospital)

268. Phantom Study of the Quantitative Software for Bone SPECT without CT-Based Attenuation Correction
Radiology Department, National Hospital Organization Hokkaido Cancer Center Tomoka Kitao
269. Examination of Quantification of Large Organ in SPECT Department of Radiological Technology, Sumitomo Hospital Hiroyuki Kawaguchi
270. Development of a Novel Index Using Anatomical Standardization by Statistical for Bone SPECT/CT
Department of Radiological Sciences, School of Health Sciences, International University of Health and Welfare Kenta Miwa
271. Effect of Reconstruction and the Noise on the Radioactivity Concentration Image That Was Created from SPECT Data
Central Radiation Unit, Toho University Omori Medical Center Taichi Imai

Nuclear Medicine (SPECT, Planar) Image Processing

16 : 00~17 : 00 Chairman Kazuya Sakaguchi (Kitasato University)
Yuji Kai (Medical Corporation JR Hiroshima Hospital)

272. Evaluation of SPECT Image Reconstructed with Projection Data Interpolation Method
Hiroshima International University Graduate School of Medical Technology and Health Welfare Sciences Yuki Yamaguchi
273. Non-Uniform Sampling Pitch Acquisition Method in Myocardial SPECT
Master Course in Health Sciences, Graduate School of Health Science, Fujita Health University Kei Tsukamoto
274. Noise Reduction of SPECT Image with Short Acquisition Time Using Machine Learning
Hiroshima International University Graduate School of Medical Tecnology and Health Welfare Sciences Hironori Murakami
275. Consideration of the Optimal Parameters of the Super-Resolution for the Nuclear Medicine Images
Department of Radiology, Osaka City University Hospital Yutaka Katayama
276. Influence of Pixel Sizes in the Reference Computed Tomography Image on Single-Photon Emission Computed Tomography Reconstruction Using High Resolution Frame-of-Reference
Department of Clinical Radiology, Tottori University Hospital Kyohei Okuda
277. Evaluation of Tumor Detectability in Planar and Single-Photon Emission Computed Tomography Images by Bone Scintigraphy Using a Novel Chest Phantom
Department of Radiology, Narita Memorial Hospital Yoshinao Misu

April 15 (Sat.) 502

Imaging Techniques and Research (MRI) Cardiovascular, Large Vessel

13 : 00~13 : 50 Chairman Katsusuke Kyoutani (Kobe University Hospital)
Tatsuya Yamada (Mitsubishi Kobe Hospital)

278. Comparison of Whole-Heart Unenhanced Coronary MRA Using Multi-Shot Gradient Echo EPI and TFE Coronary MRA in Healthy Volunteers at 3-T MRI
Department of Radiology, Kumamoto University Hospital Kosuke Morita
279. Non-Contrast Thoracic Artery MRA Using Multi-Shot Gradient Echo EPI: Comparison with Balanced TFE Sequence in Healthy Volunteers at 3-T MRI
Department of Radiology, Kumamoto University Hospital Kosuke Morita

280. Examination of Three-Dimensional Black-Blood Turbo Spin-Echo with T1-Weighted Pulse in the Aortic Arch
Department of Radiological Technology, Kurashiki Central Hospital Kenichi Nakagawa
281. Examination of 4D Flow Using the Multi VENC
Department of Radiology, Miyazaki University Hospital Shinya Yoshimoto
282. Comparison of Two-Dimensional and Four-Dimensional in Iliac Artery Blood Flow Using Phase Contrast MRI
Department of Radiological Technology, Kurashiki Central Hospital Sachi Fukushima

Imaging Techniques and Research (MRI) Head and Neck

13 : 50~14 : 50 Chairman Hiroshi Kato (Shinbeppu Hospital)
Takashi Okigawa (Saiseikai Kumamoto Hospital)

283. A Multi-Shot Gradient- and Spin-Echo (GRASE) Diffusion-Weighted Imaging (DWI) in Auditory Nerve and Inner Ear Area
Department of Radiology, Japanese Red Cross Okayama Hospital Takamasa Kurosaki
284. Influence of Blade Width on the Apparent Diffusion Coefficient in Head and Neck Diffusion MR Imaging Using Radial Scan
Department of Radiology, Yamaguchi Prefectural Grand Medical Center Tetsuo Sumikawa
285. Accuracy of Fat Fraction Measurements of a Phantom Simulating Head and Neck: Comparison between 2 and 6 Point Modified DIXON
Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University Kaori Hara
286. Visualization of the Brachial Plexus Using Direct Coronal Diffusion Tensor Imaging with Turbo Spin-echo Diffusion-weighted Imaging
Department of Radiology, Eastern Chiba Medical Center Kiichi Nose
287. The Verification of Effects of Electromagnetic Wave Protective Clothing for Capsule Endoscopy in MRI Head Area Scans
Department of Radiological Technology, Sumitomo Hospital Masanari Taniguchi
288. The Relationship between Attenuation Curve of Radio Frequency Wave (RF) and the Opening Size of the Electromagnetic Wave Protective Clothing for Capsule Endoscope
Department of Radiology, Sumitomo Hospital Tatsuya Kuwagaki

April 15 (Sat.) 503

Imaging Techniques and Research (General Radiography) Image Processing, Other

13 : 00~13 : 50 Chairman Kazuyuki Kashiyama (Osaka General Medical Center)
Takuma Ichikawa (Fujita Health University Hospital)

289. Physical Evaluation of Extremely-Low-Spatial-Frequency Image Processing in Examination of Knee Joint and Lumbar Spine
Division of Central Radiology, Nara Medical University Hospital Yoshimasa Mai
290. Physical Evaluation of Extremely-Low-Spatial-Frequency Image Processing in Examination of Lateral Cervical Spine
Division of Central Radiology, Nara Medical University Hospital Yuusuke Miyajima
291. Evaluation for Visibility Improvement of Puncture Needle in Lumbar Spine Surgery by Extremely Low Spatial Frequency Image Processing
Department of Radiology, Osaka University Hospital Hiroaki Matsuzawa
292. Quantitative Evaluation of Intensity Value with Bone Suppression Processing. - Phantom Study -
Hospital of the University of Occupational and Environmental Health, Japan Takeshi Takaki
293. Evaluation of Effective X-ray Energy Characteristics of FPD
University of Fukui Hospital Saori Yoshizawa
294. Study of Quantitative Evaluation (Image Quality and Imaging Conditions) of the Special Image Using the Concept of Merit
Department of Radiology, Fussa Hospital Shigeji Ichikawa

Imaging Techniques and Research (General Radiography) Scattered Radiation Processing

13 : 50~14 : 50 Chairman Ryoutaro Yuji (Tokai University Hachioji Hospital)
Yoshimasa Mai (Nara Medical University Hospital)

295. Investigation of the Shooting Conditions in the Scattered Radiation Correction Processing
Department of Radiology, Kyorin University Hospital Yuya Shirakawa
296. Study of the Limb Region Using Ultra-Low Lattice Ratio Processing in the Scattered Radiation Removal Processing Technology
Department of Radiology, Nihon University Itabashi Hospital Akihiro Tadokoro
297. Evaluation of Optimal X-ray Photographing Conditions of Portable Chest Radiographs Using Scattered Radiation Correction Processing Technology
Department of Radiology, NHO Osaka Minami Medical Center Kaho Mukaigawa

298. The Fluctuations in S Values Are Caused by a Change in the Body Thickness in the Scattered Ray Correction Processing and the Real Grid during Portable Chest Radiography Examinations
Radiology Department, Kochi Medical School Hospital Ryo Akima
299. The Evaluation of Dose Reduction Effect of Bed-Side X-ray Imaging by Equipping Virtual Grid on X-ray Panel: Clinical Perspective of China
The First Affiliated Hospital of Guangzhou Medical University, Guangzhou, China Jiayi Yu

April 15 (Sat.) 414 + 415

Imaging (Multi-modality) Visual Evaluation, etc

13 : 00~13 : 50 Chairman Norimitsu Shinohara (Gifu University of Medical Science)
Anna Taniguchi (Gunma Prefectural College of Health Sciences)

300. Physical and Visual Evaluation of Dynamic Images on a Liquid Crystal Display
Department of Clinical Radiology, Tsukuba International University Eiichiro Okumura
301. ROC Analysis for Evaluating Clinical LCDs Using a Computer -Model Observer
Graduate School of Health Sciences, Kumamoto University Hiroshi Sakai
302. Influence of Refresh-Rate for Image Perception of Ultrasound Movie
Division of Radiology, Department of Medical Technology, Osaka University Hospital Tomoya Takao
303. Quantification of the Difference in Appearance of a DR Image Due to SSIM
Department of Radiology, Aizawa Hospital Hiromasa Takizawa
304. Development of a Clinico-radiological Procedure to Verify the Accuracy of Medical Three-dimensional Printing
Diagnostic Imaging Center, Kurume University Hospital Reiji Katayama

Imaging (General Radiography) Scattered Radiation Correction Processing

13 : 50~14 : 30 Chairman Ryo Higashide (Nagoya City University Hospital)
Masato Imahana (Kitasato University Medical Center)

305. Basic Study of Digital Scattered X-ray Removal Proceeding and Exposure Conditions in Chest Images
Department of Radiology, Osaka General Medical Center Yoshifumi Enomoto
306. Application of Scattered Radiation Correction Processing to Large Thickness of Abdomen
Department of Radiology, Kagawa University Hospital Masatoshi Morimoto
307. Basic Study of Scattered Radiation Correction Processing in Low Birth Weight Infants Imaging
Department of Radiology, The University of Tokyo Hospital Yuki Aono
308. Basic Study of the Lumbar Spine Lateral Images Using the Scattered Radiation Correction Processing in the Operating Room
Department of Radiological Technology, Tokai University Hachioji Hospital Kaho Nemoto

Medical Information System Development

- 14 : 40~15 : 30 Chairman Hirotaka Shimura (Tohoku University Hospital)
Yuki Yokooka (Medical Informatics Section of Hospital, Clinical Research Cluster, National Institute of Radiological Sciences)
309. Construction of the Management System for Medical Imaging Display Systems under Multi-Vendor Environment by Implementing DICOM Supplement124:Communication of Display Parameters
Division of Central Radiology, Osaka Medical College Hospital Dai Goko
310. Practical Application of Web-Based Searchable System to Confirm MRI Compatibility for Medical Implant
Department of Medical Imaging, Faculty of Life Sciences, Kumamoto University Yasuhiro Fujiwara
311. Management of Transferring Image Data with the Other Hospitals
Okinawa Prefectural Chubu Hospital Tadashi Kuba
312. Filing of Ultrasound Images in the Examination Room by Applying the Automatic Matching Function
Hiroshima City Funairi Citizens Hospital Kosuke Imai
313. The Development and Assessment of the Participatory Conference System for Radiographic Imaging Workshop
Department of Radiology, The Institute of Medical Science, The University of Tokyo Nobukiyo Yoshida

Medical Information Operations Analysis, Education, Others

15 : 40~16 : 30 Chairman Yuji Tani (Asahikawa Medical University Hospital)
 Nobuhiro Ito (Kariya Toyota General Hospital)

314. Study of Optimal Compression Ratio of MPEG-4 AVC / H.264 and H.265 Video Conversion in Medical Imaging
 Department of Radiological Technorogy, Kurashiki Central Hospital Hideki Itadani
315. The Report of the Pursued Results from the Renewal Radiotherapy Information System Ogaki Municipal Hospital Hitoshi Takagi
316. The Triple Reading Utilizing Radiological Technologist -Impact of the Visits Number of Times-
 Computational Diagnostic Radiology and Preventive Medicine Kiyotaka Kudou
317. Patient-Loyalty with the SERVQUAL Model Southern Tohoku General Hospital Natsuru Kobiyama
318. Effective Use of Stored Valuable Cases by Image-Based Retrieval and Keyword-Based Retrieval Using Artificial Intelligence Technologies
 Biomedical Imaging Research Center, University of Fukui Masato Tanaka

April 15 (Sat.) Harbor Lounge B**Device Development and Others**

14 : 00~14 : 40 Chairman Shinya Mizukami (Kitasato University)
 Takayuki Sakai (Eastern Chiba Medical Center)

319. Evaluation of the Modeling by 3D Printer Using Volume CT Images
 Department of Radiology, Kushiro Kojinkai Memorial Hospital Makoto Kimishima
320. Model Construction for Multidiscipline Pseudo Breast Using 3D-Printer
 Department of Media Informatics, Graduate School of Information Science and Technology, Aichi Prefectural University Saki Yamada
321. Consideration of the Footprint Saving Wide-Bore 3T MRI to Applicable to the Existing 1.5T MRI Installation Space and Actual Applicable Rate
 Toshiba Medical Systems Corporation Takahiro Ishihara
322. Improvement of the Sense of Openness in MRI Examination by Virtual Bore with Dome-Shaped Screen and Wide Mirror
 Toshiba Medical Systems Corporation Yu Ueda

April 15 (Sat.) F201 + 202**Imaging (CT) Image Processing**

8 : 50~9 : 40 Chairman Katsuhiro Ichikawa (Kanazawa University)
 Shohei Kudomi (Yamaguchi University Hospital)

323. Fundamental Study on the Noise Reduction Effect of the 4D Image Interpolation Software for CT Angiography
 Department of Radiology, Meitetsu Hospital Youichi Tomita
324. Fundamental Study of Sequential Subtraction in Dynamic Volume CT Angiography
 Faculty of Radiological Technology, School of Health Sciences, Fujita Health University Asuka Takeuchi
325. Fundamental Study of Time-MIP and Time-SUM in CT Angiography
 Faculty of Radiological Technology, School of Health Sciences, Fujita Health University Asuka Takeuchi
326. The Feasibility of Body-Mass and Body Mass Index Based Individualized Protocol in Computed Tomography Pulmonary Angiography
 The Radiology Department of the First Affiliated Hospital of Zhengzhou University, Henan, China Liming Li
327. Application to the Medical Field of Inexpensive Personal 3D Printers; Modeling of Coronary Arteries and Calcified Lesions
 Faculty of Health Sciences, School of Medicine, Hokkaido University Keisuke Kawauchi

Imaging (CT) Image Analysis 1

9 : 40~10 : 20 Chairman Takanori Hara (Nakatsugawa Municipal General Hospital)
 Yuichi Nagai (East Saitama National Hospital)

328. Improved Detection Method of Skull Fracture in Head CT Images Using Surface Selective Black-Hat Transform
 Graduate School of Health Sciences, Fujita Health University Ayumi Yamada
329. Deep Learning Based Super-Resolution in Computed Tomography Graduate School of Medicine, Osaka University Kensuke Umehara

330. Applying Dynamical Reconstruction Method Based on Hellinger Distance Minimization to X-ray CT Imaging
Graduate School of Health Sciences, Tokushima University Daisuke Ikeda
331. Automatic Extraction of Renal Cortical Outline for ERPF and GFR Measurement Using Renal Dynamic Contrast Enhanced CT
Fujita Health University Graduate School of Health Sciences Hitoshi Nishio

Imaging (CT) Image Analysis 2

10 : 20~11 : 00 Chairman Kazuhiro Sato (Tohoku University Hospital)
Yoshikazu Uchiyama (Kumamoto University)

332. An Evaluation of the Accuracy of Function of Separating Pulmonary Vessels Using 3D-Workstation Kagoshima City Hospital Yuta Kihara
333. The Influence of Reconstruction Condition to the Results of Lung Analysis
Central Radiation Unit, Toho University Omori Medical Center Kyoko Iizuka
334. Image Quality Assessment of Third-generation Dual-source CT and 320-row Area Detector CT Using Contrast Signal-to-noise Ratio
Department of Medical Technology, Nakatsugawa Municipal General Hospital Shinji Niwa
335. Evaluation of Low-Contrast Detectability Using the New Digital Phantom Creation Tool and Liver Late Arterial Phase
Division of Radiology and Nuclear Medicine, Sapporo Medical University Hospital Tatsuya Imai

Imaging (CT) Iterative Reconstruction: Image Evaluation

11 : 00~11 : 50 Chairman Atsushi Urakura (Shizuoka Cancer Center)
Noriyuki Takahashi (Research Institute for Brain and Blood Vessels-Akita)

336. A Comparison of CT Image Quality in Different Iterative Reconstruction Algorithms
Department of Radiology, Niigata University Medical & Dental Hospital Akifumi Yoshida
337. Effect of Different Recon Parameter in New Model-Based Iterative Reconstruction: A Phantom Study
Department of Radiology, Tokyo Women's Medical University Medical Center East Suguru Nakayama
338. Effect of Different Recon Parameter in New Model-Based Iterative Reconstruction: A Phantom Study
Department of Radiology, Tokyo Women's Medical University Medical Center East Yuzo Yamamoto
339. Evaluation of Hybrid-type Iterative Reconstruction Using 3D Signal-to-noise Ratio in Computed Tomography
Department of Radiology, Miyagi Cancer Center Mitsunori Goto
340. The Measurement of Signal Quantity Change in Iterative Reconstruction
Graduate School of Medicine, Tohoku University Chiaki Tominaga

Imaging (General Radiography, IVR) Image Evaluation

14 : 30~15 : 10 Chairman Hiroshi Kunitomo (Nagoya City University Hospital)
Shogo Suzuki (Kariya Toyota General Hospital)

341. Comparison of Detectability in Normalized Cross Correlation and Human Observers by Whole Spine X-ray Imaging Using a One-Shot Long Type Flat Panel Detector System
Department of radiological technology, Saiseikai kawaguchi general hospital Takuji Tsuchida
342. Improvement of Dynamic Blood Vessel Phantom for the Evaluation of the Moving Image
Department of Radiology, Showa University Hospital Miwa Osawa
343. Assessment of Image Characteristics in Bone Suppression Processing Software
Miyagi Cancer Center Musashi Endo
344. Impact on the Image Quality on the Reconstruction Filter Decrease in the 3D-Rotation Angiography: Sharpening of Brain Aneurysm
Department of Radiology, Showa University Fujigaoka Hospital Yushi Uchiyama

Imaging (MRI) Spine

15 : 10~15 : 40 Chairman Yoshie Sakai (Yaesu Clinic)

345. Application of T2-Weighted Reversed Gradient Spoiled Echo for the Diagnosis of Radiculopathy
Image Laboratory, Medical Technology Department, Tokyo Women's Medical University Yachiyo Medical Center Hikaru Ouchi
346. Suppression of the Vertebral Artery Signal and Visualization of the Cervical Nerve Root Using T2-weighted Reversed Gradient Spoiled Echo
Image Laboratory, Medical Technology Department, Tokyo Women's Medical University Yachiyo Medical Center Daisuke Yoshimaru
347. Effect of Preparation Time with T1rho and T2 Value Obtained from Combined T1rho and T2 Mapping
Div. of Radiology and Nuclear Medicine, Sapporo Medical University Hospital Rui Imamura

Imaging (MRI) Brain Function

15 : 40~16 : 20 Chairman Harumasa Kasai (Nagoya City University Hospital)
Katsuhiro Inoue (Mie University Hospital)

348. The Utility of Postmortem Brain for MR Images Analysis Faculty of Health Sciences, Tokyo Metropolitan University Yawara Haga
349. Computer-Aided Diagnosis Using Genetic Type and Image Features:Preliminary Evaluation of Brain Atrophy Due to Alzheimer's Disease
Graduate School of Health Sciences, Kumamoto University Chiharu Kai
350. Visual Comparison of the Z-Score Maps between FA Images and FLAIR Images in the Multiple Sclerosis Patients
Department of Radiology, Hokkaido Medical Center Junpei Murata
351. Evaluation of the Brain Activity during the Training Period of HAL for a Chronic Spinal Cord Injury by Using Laterality Index
Center for Cybernics Research, University of Tsukuba Kousaku Saotome

Imaging (MRI) Head and Neck MRA

16 : 20~17 : 00 Chairman Wataru Takao (Okayama Kyokuto Hospital)
Norio Yoshizaki (Kousei Hospital)

352. Image Quality Dependence of Compressed Sensing MR Angiogram on Fully Sampled Central k-Space Area: Numerical Phantom Study
Graduate School of Medicine, Tohoku University Yosuke Miura
353. Study of Direct Sagittal Neck MRA That Was a Combination of Radial Scan Hakodate Neurosurgical Hospital Shouichi Iwamoto
354. Optimal Imaging Parameters for T1-mapping Acquisition in Carotid Artery Plaque Imaging Using Magnetization-prepared Two Rapid Acquisition Gradient Echoes
Department of Radiological Technology, Hyogo College of Medicine College Hospital Mitsuhiro Shibayama
355. 3D High Resolution Delay Contrast Enhanced Imaging for Simultaneous Carotid and Intracranial Vessel Wall Evaluation
Department of Radiology, Wuhan Union Hospital, Huazhong University of Science and Technology, Hubei, China Xiaoming Liu

April 15 (Sat.) F203 + 204

Radiotherapy Irradiation Technique

8 : 50~9 : 50 Chairman Masanobu Terui (Akita University Hospital)
Junichi Fujiwara (Iwate Medical University Hospital)

356. Dose-Volume Comparison of Robotic Spinal Radiotherapy between Supine and Prone Treatment Position
Southern Tohoku Proton Therapy Center Yuki Ota
357. Verification of the Reproducibility of Deep Inspiration Breath Hold Treatment for Left Breast Using 3D Body Surface Scanner
Department of Radiology, Seirei Hamamatsu General Hospital Takuma Matsunaga
358. Evaluation of Skin Dose in Breast Radiation Therapy: Investigation of the Suitable Frequency of Using Bolus
Department of Radiology, Shiga University of Medical Science Hospital Naoki Harada
359. The Application of Ultrasound Gel as a Bolus Material Department of Radiology, Asanogawa general hospital Tohru Tarohda
360. Craniospinal Irradiation with Volumetric Modulated Arc Therapy in Spine Position
Department of Radiotherapy Fukuoka Tokushukai Medical Center Ryo Murakami
361. The Rectum Pretreat Value by the Supersonic Using Real-Time Virtual Sonography in Prostate Irradiation
Department of Radiology, Kariya Toyota General Hospital Tomoya Kimura

Radiotherapy Measurement

9 : 50~10 : 30 Chairman Tomohiro Shimozato (Gifu University of Medical Science)
Hidetoshi Shimizu (Aichi Cancer Center Hospital)

362. The Equivalence of Photon Fluence in Plastic Phantom to Water by O'Connor Theorem
Komazawa University Graduate Division Hironao Kobayashi
363. Comprehensive Motion Accuracy Assessment of a Scanning Water Tank Using a kV-imaging Device Teine Kejinkai Hospital Fumihiro Sasaki
364. Impact of Upper-Jaw Positioning Accuracy on Small Field Dosimetry
Department of Clinical Radiology, Kansai Denryoku Hospital Katsuya Okuhata

365. Study of Evaluation Method for Ion Recombination Correction Factor by Third-party Radiotherapy Quality Assurance Activity in Hiroshima
Hiroshima High-Precision Radiotherapy Cancer Center Fumika Hosono

Radiotherapy 4D Planning, Moving Object Tracking

10 : 30~11 : 00 Chairman Hideki Kojima (Sapporo Higashi Tokushukai Hospital)
Tadanori Abe (KKR Sapporo Medical Center)

366. Evaluation of the Dose-volume Histogram during Breathing Phases Using 320-row Wide-volume Respiration-synchronized Computed Tomography Scans
Department of Radiology, Sendai Kousei Hospital Mitsuya Abe
367. Improving the Visualization Accuracy for Tumor Contouring Using 320-slice Four-dimensional Computed Tomography
Department of Radiology, Saiseikai Yokohamashi Tobu Hospital Kentaro Suzuki
368. Study of Factors Affecting the Tracking Accuracy of the Respiratory Tracking System of Image-guided Robotic Radiosurgery System
Yokohama CyberKnife Center Mitsuhiro Inoue

Radiotherapy Irradiation Position, Setup Error

11 : 00~11 : 50 Chairman Masataka Oita (Okayama University)
Ryu Kawamorita (Tane General Hospital)

369. Evaluation of the Correlation between γ Passing Rate and DVH Indices Due to Setup Errors Using a Sensitivity Coefficient
Division of Clinical Radiology Service, Kyoto University Hospital Makoto Sasaki
370. Estimation of Suitable Observation Region for Respiratory Motion Monitoring in Three-Dimensional Surface Imaging
Fujita Health University School of Health Sciences Chikae Nakagami
371. DVH Evaluation with Prostate Treatment for External Beam
Department of Radiology, Suita Tokushukai Hospital Chiemi Morimoto
372. Consider Alternatives in Case of Difficult Image Guidance Scenarios
Department of Radiology, Suita Tokushukai Hospital Shuichi Shibatani
373. Evaluation of Uncertainties in Accelerated Partial Breast Irradiation by Using a Strut-based Design Brachytherapy Applicator
Department of Radiology, Showa University Hospital Tadashi Kubo

Imaging Techniques and Research (MRI) Genitourinary

16 : 00~16 : 40 Chairman Masanori Komi (Miyazaki University Hospital)
Takeshi Oota (Saiseikai Kumamoto Hospital)

374. 3D B-SSFP with T2 Preparation Prepulse for Volumetric Measurement of Kidney
Department of Radiological Technology, Kurashiki Central Hospital Shohei Naruishi
375. Magnetic Resonance Imaging (MRI)-guided Brachytherapy in the Underlying Study of Cervical Cancer: A Multicenter MRI-contrast Evaluation Using a Phantom
Department of Radiology, Chiba University Hospital Yohei Ikeda
376. Effects of 1.0mol/L Contrast Agent Is Given to the Quantitative Value by Pharmacokinetic Approach of Prostate Cancer in the Prostate Contrast Enhanced MRI
Department of Radiology, The Jikei University Katsushika Medical Center Tomoki Natsuzaka
377. Effects of 1.0mol/L Contrast Agent Is Given to the Quantitative Value in Prostate DCE-MRI
Department of Radiology, The Jikei University Katsushika Medical Center Atsushi Togashi

Imaging Techniques and Research (MRI) Basic Technique and Technology

16 : 40~17 : 20 Chairman Masaki Terada (Iwata City Hospital)
Hirohito Kan (Nagoya City University Hospital)

378. The Effects of Section-Select Direction Chemical Shift in 3DTSE
Department of Radiology, Tokai University Hospital Tomohiko Horie
379. Comparison of Ultra-Short TE, 3D-ASL Technique, and Keyhole Technique for Reducing Susceptibility Artifacts from Metallic Embolic Materials
Department of Radiology, Jichi Medical University Saitama Medical Center Yusuke Ayabe
380. Development of a Phantom Simulating Fibrotic Lesions in Diffusion-weighted Imaging
Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University Nobuaki Harada
381. Operation of a Dedicated Vibration Pad of the Standard MR Elastography Phantom
Department of Radiological Science, Tokyo Metropolitan University Tomokazu Numano

April 15 (Sat.) National Convention Hall

Imaging Techniques and Research (CT) Ultra High-resolution CT

15 : 10~16 : 20 Chairman Yoshihiro Nakaya (Shizuoka Cancer Center)
Eiji Nishimaru (Hiroshima University Hospital)

382. Technology for Ultra High Resolution CT Scanner
CT Systems Development Department, CT Systems Division, Toshiba Medical Systems Corporation Hiroki Osaki
383. Basic Study of Spatial Resolution and Noise Characteristics for Ultra-High Resolution Computed Tomography
Department of Radiology, Fujita Health University Hospital Yujiro Doi
384. Measurement of Slice Thickness in Ultra-High-Resolution CT Using a Composite Slice Sensitivity Profile for Z-Axis
Center for Radiological Science, Iwate Medical University Hospital Memorial Heart Center Takuya Chiba
385. Evaluation of MPR Image in Ultra High Resolution CT Faculty of Radiology, School of Health Sciences, Fujita Health University Katsumi Tsujioka
386. Evaluation of Partial Volume Effect in Ultra High Resolution CT
Faculty of Radiology, School of Health Sciences, Fujita Health University Katsumi Tsujioka
387. Compare of Ultra High Resolution CT and Conventional CT: Whether a Fair Comparison Is Possible? Azabu Triology Hospital Soji Miyashita
388. Compare of Ultra High Resolution CT and Conventional CT: Whether a Routine Examination Is Possible?
National Cancer Center Hospital Hirobumi Nagasawa

Imaging Techniques and Research (CT) Colonography

16 : 20~17 : 00 Chairman Masahiro Suzuki (E Medical Tokyo)
Katsuhiko Matsuda (Saiseikai Kumamoto Hospital)

389. Study of Bowel Preparation Quality in CT Colonography with Lubiprostone Bowel Preparation
Department of Radiology Tochigi Medical Center Hiroto Kikuchi
390. Comparison Study of Bowel Preparation Quality in CT Colonography between Low-dose-PEG-C and Lubiprostone Group
Department of Radiology, Tochigi Medical Center Minami Ezure
391. Low Volume Split-Dose Bowel Preparation Using Barium for Computed Tomography Colonography Tokushima Kensei Hospital Teruaki Iwano
392. Radiation Exposure Reduction for CT Colonography Using a Variable Helical Pitch System
Department of Radiology, National Cancer Center Hospital Hiroki Miyazaki

April 16 (Sun.) 501

Imaging (MRI) Chest and Abdomen

8 : 50~9 : 50 Chairman Shinichi Kawasaki (Asahikawa City Hospital)
Masanori Ozaki (GE Healthcare Japan)

393. Histological Differentiation of Breast Cancer by Dynamic MRI National Hospital Organization Kyushu Cancer Center Yoshiaki Miyazaki
394. Trial of Depiction of Pulmonary Thrombosis Using Non-Contrast MRA 3D - Sequence Showa University Hospital Nobuyuki Yoshii
395. Effects of Diffusion Kurtosis Imaging Obtained with Free-Breathing on Mean Kurtosis Value in Liver
Image Laboratory, Medical Technology Department, Tokyo Women's Medical University Yachiyo Medical Center Chifumi Maruyama
396. The Diagnosis of Intrahepatic Cholangiocarcinoma with GD-EOB-DTPA-enhanced Magnetic Resonance Imaging Combine with DWI
The Tumor Hospital of Harbin Medical University Zhou Yang
397. Correlation between Biliary Tract Enhancement in Gd-EOB-DTPA Enhanced Hepatobiliary Phase Images and Liver Function
Department of Radiology service, Gifu University Hospital Kimihiro Kajita
398. Effect of Gd-EOB-DTPA on Hepatic Fat Fraction Using Automated Fat Quantified Six-Point Dixon at 3.0-T MR Imaging
Department of Radiology, Kumamoto University Hospital Kie Shimizua

Imaging (Multi-modality) Image Analysis

9 : 50~10 : 50 Chairman Daisuke Fukuoka (Gifu University)
Naoki Kamiya (Aichi Prefectural University)

399. Development of Automated Positioning System in General Radiography Examination: Automated Recognitions of Reference Points for 4 Directional Images of Cervical Spine
Graduate School of Health Sciences, Kumamoto University Reina Tsuruoka
400. Tendency of the Track Point of Virtual Catheter Tip in the Three-Dimensional Positional Information Electromagnetic Navigation System
Department of Radiology, Kyorin University Hospital Toshihiko Iwamoto
401. Automated Analysis of Contrast-Detail Phantom Images for Image Quality Assessment
Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University Hiroki Tsuru
402. A New Method of Coronary Analysis Using Computational Fluid Dynamics (CFD).Evaluation of the Collateral Channels Using the Chronic Total Occlusion Phantom
Showa University Hospital Daisuke Kittaka
403. The Quantification of Depth Positions on Stereoradiographic Images by Means of Disparity Components
Self Defence Forces Central Hospital Hiroki Yanagisawa
404. Performance Evaluation of a Simple Line of Sight Analysis System
Chuoh College of Medical Technology Masashi Imao

Imaging (CT) Dual-energy: Clinical 2

10 : 50~11 : 50 Chairman Kazuya Ohashi (Nagoya City University Hospital)
Norio Hayashi (Gunma Prefectural College of Health Sciences)

405. Evaluation of Radiation Dose and Image Quality of Dual-Energy CT vs. And Single-Energy CT in Cranial Non-Contrast Enhancement Acquisition : A Phantom Study
Chulalongkorn University Sarawut Tongkum
406. The Study of Radiation Dose and Image Quality in Chest Phantom Using Single and Dual-Energy CT Settings
Medical Imaging, Department of Radiology, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand Taninchai Jutawiriya
407. Comparison of Dual Energy Imaging CT and MRM for Evaluating the Intraductal Spread of Breast Cancer
Diagnostic Radiology, Hiroshima City Asa Citizens Hospital Kanako Yukutomo
408. Early Diagnosis of NAFLD Using Dual Energy CT Department of Medical Radiation Technology, Teine-keijinka Hospital Shunsuke Itaya
409. Study of Bone Contusion Detection in Fast KV Switching Dual Energy CT Imaging Center, Okayama Saiseikai General Hospital Norimi Nishiyama
410. Evaluating Bone Marrow Edema Using the Dual-energy Computed Tomography (CT) Virtual Non-calcium Technique in Patients with Ankle Osteoarthritis
Radiology Division, Kanazawa University Hospital Shinsuke Hanaoka

Imaging (CT) Brain and Pancreas Perfusion

13 : 00~13 : 40 Chairman Takeshi Hara (Gifu University)
Tomomi Omura (Research Institute for Brain and Blood Vessels-Akita)

411. Comparison of Computed Tomography Perfusion and 123I-iodoamphetamine Single-photon Emission Computed Tomography in Brain
Department of Radiological Technology, Kurashiki Central Hospital Daiki Watanabe
412. Evaluation of the Quantitativity of Various Analytical Systems Using Computed Tomography Perfusion Imaging: A Phantom Study
Department of Radiologist, Kokura Memorial Hospital Akira Kuwahata
413. Evaluation of Brain CT Perfusion Using the Bayesian Estimation Algorithm
Department of Radiological Technology, Kurashiki Central Hospital Hiroyuki Yamamoto
414. Effect of Temporal Sampling Rate on Pancreas Blood Flow in Perfusion CT Department of Radiology, Mie University Hospital Akio Yamazaki

Imaging Techniques and Research (CT) Cardiac: Clinical

13 : 40~14 : 40 Chairman Yoshihiro Ida (Fujita Health University Hospital)
Shigehiro Ochi (Eastern Chiba Medical Center)

415. Evaluation of Table Sift in Cardiac CT (Measurement of Motion Artifact)
Faculty of Radiology, School of Health Sciences, Fujita Health University Katsumi Tsujioka
416. Evaluation of Best Phase of ECG Gated Pediatric Cardiac CT Department of Radiology, Shimane University Hospital Jun Iijima
417. Influence of Cardiac Phase on the Analysis of Fractional Flow Reserve Derived from CT Coronary Angiography (CT-FFR)
Graduate School of Health Sciences, Kumamoto University Daisuke Sakabe

418. Evaluation of 2.5mm-Diameter Coronary Stents with Ultra-High Resolution CT

Department of Radiology, Fujita Health University Hospital Ryota Matsumoto

419. Coronary Artery Calcium Scoring in Using the Ultra-High-Resolution CT

Iwate Medical University Memorial Heart Center Tadashi Sasaki

420. A Novel Software-Prototype on Left Atrial Architecture Features Utilizing CT Imaging: A Phantom Comparison Study

Department of Biomedical Imaging and Radiological Sciences, National Yang Ming University, Taipei, Taiwan Jing-Yi Sun

April 16 (Sun.) 502

Imaging Techniques and Research (General Radiography) Breast

13 : 00~13 : 30 Chairman Hiroko Nishide (Gifu University of Medical Science)

421. Evaluation of Calcification in Breast Density Variable Phantom

Tokyo Women's Medical University Medical Center East Yuki Otake

422. Evaluation of an Aid for Adjusting Breast Thickness in Mammography Guided Vacuum Assisted Biopsy

Department of Radiology, Graduate School of Health Sciences, Showa University Kanako Numanyu

423. The Clinical Application of Digital Breast Tomosynthesis (DBT)

Department of Diagnostic Radiology, Cancer Hospital Chinese Academy of Medical Sciences, Beijing, China Wen Wen Fan

Imaging Techniques and Research (General Radiography, Dual-energy X-ray Absorption) Bone, Other

13 : 30~14 : 30 Chairman Hiroaki Matsuzawa (Osaka University Hospital)

Naoki Makabe (Ushioda general hospital)

424. Depiction of Clavicle in X-ray Images: Influence of X-ray Incidence Direction

Tokyo Women's Medical University Medical Center East Takumi Ogawa

425. Anthonsen Method That Does Not Need to Change Position

Department of Radiological Technology, Showa University Hospital Yuria Uehara

426. Evaluation of the Usefulness and Accuracy of Preoperative Total Hip Arthroplasty (THA) Radiographs

Saitama Red Cross Hospital Yuji Okawara

427. Examination of the Angle and Position in Hip Joint Radiographic Technique (False Profile View)

Department of Radiology, Saitama Prefecture Saiseikai Kurihashi Hospital Kunihiro Watanabe

428. Optimization of Exposure Conditions for Full Spine Lateral Examination in Long Length Digital Radiography Device

Division of Radiology, Dokkyo Medical University Hospital Hidenori Sezaki

429. The Quality Control of Dual-Energy X-ray Bone Mineral Density Device According to the Beam Characteristics

Department of Bio-convergence engineering, Korea University, Seoul, Korea Hyemin Park

April 16 (Sun.) 503

Theme Session Head and Neck

13 : 00~14 : 30 Chairman Koji Uchida (Orthopedic and Rehabilitation Department, Eda Clinic)

Hiroataka Sato (Soka Municipal Hospital)

430. Development of a Brain Phantom Displaying Image Contrast and Construction Similar to Those of in Vivo MR T₁ and T₂WI

Center for Cybernetics Research, University of Tsukuba Kousaku Saotome

431. Radiation Dose Analysis of Internal Carotid Aneurysm Treatment with Flow Diverter Stent

Department of Radiology, Toranomon Hospital Satoru Kawauchi

432. Investigation of the Dark Band Artifacts Reduction in the Neck 3D-CT Angiography

Department of Radiology, Kusatsu General Hospital Hiroki Okada

433. Attempt of Neck CTA Subtraction Using the Workstation with Brain Blood Vessel Extraction Function

division of central radiology, iwate medical university hospital Yoshitaka Ota

434. Evaluation of Neointimal Coverage of Stent Using Neck MRA after CAS

Department of Radiology, National Hospital Organization Sendai Medical Center Hiroki Takahashi

435. Usefulness of a Phase-ratio Image Map for Cerebral Ischemic Disease in 4D-CT: Comparison with a PET Image

Department of Radiology, Research Institute for Brain and Blood Vessels-Akita Tomomi Ohmura

April 16 (Sun.) 414 + 415

Measurement (Lens Dose&Dosimeter) Radiation Dose Evaluation

8 : 50~9 : 30 Chairman Yasuki Asada (Fujita Health University)

Yoshiki Yamaguchi (Chiyoda Technol Corporation)

436. Evaluation of the Basic Characteristic of the Dosimeter for the Eye Lens in Medical Workers
Department of Radiological Sciences, Ibaraki Prefectural University of Health Sciences Hitoshi Sato
437. Usefulness of the 3 mm Dose Equivalent Dosimeter for the Conventional Personal Dosimeter
Dokkyo Medical University Hospital, Division of Radiology Tooru Fukuzumi
438. Measurement of Eye Lens Dose from Interventional Radiology Procedures: Phantom Study
Medical Imaging Department of Radiology, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand Mananchaya Vimolnoch
439. International Standards and Protocols of Dosimetry for Radiology with Activity of ISO/TC85/SC2/WG22
Institute of health Science, Korea University Changbum Kim

Measurement (Hazard) Radiation Dose Evaluation

9 : 30~10 : 10 Chairman Yoshiaki Hirofuji (Gent-medical Associates)

Michiharu Sekimoto (University of Tsukuba)

440. Development of a Monitoring Post and Evaluation System for Air Dose Rate Measured by Simple Scintillation Survey Meter
Department of Radiological Technology, Faculty of Medical Technology, Teikyo University Masahiko Omatsu
441. Enrichment of Tritium Using a Melting Point
Tokyo Metropolitan University Kohei Nishi
442. Knowledge of the Screening Organization Staff on Ionizing Radiation at the Site of the Fukushima Nuclear Disaster: A Comparative Study between 2013 and 2016
Department of Radiology, Miyagi Taigan Society Sachiko Yashima
443. Development of Operational Intervention Level for Food Control during Early Phase of a Nuclear and Radiological Emergency
Department of Nuclear Emergency Preparedness, Korea Institute of Nuclear Safety, Daejeon, Korea Sang Hyun Park

Measurement (IVR) Radiation Dose Evaluation

10 : 10~10 : 40 Chairman Tomokazu Shoji (The Jikei University Kashiwa Hospital)

Satoru Kawauchi (Toranomon Hospital)

444. Fundamental Study of a Novel Radiation Dosimeter Using a Multi-Channel Real-Time Monitor
Graduate School of Medicine, Health Sciences, Tohoku University Yohei Inaba
445. Study to Estimate Patient Organ Dose and Effective Dose in Cerebral Angiography with Area Dosimeter
Division of Radiology, Department of Medical Technology, Hirosaki University Hospital Hiroki Yamamoto
446. Comparison of Skin Exposure Dose by the Difference of the Measure Field Using Infant Phantom
Department of Radiology, Sakakibara Memorial Hospital Yoshiki Yamada

April 16 (Sun.) F201 + 202

Imaging Techniques and Research (CT) Basic Evaluation

8 : 50~9 : 50 Chairman Mitsunori Goto (Miyagi Cancer Center)

Isao Yamaguchi (Osaka Butsuryo University)

447. Temporal Resolution Measurement Using Impulse Method in General Purpose Computed Tomography Scanner
Department of Radiology, Akita Kousei Medical Center Hitoshi Saito
448. Basic Study of Dynamic-Ventilation CT: Evaluation of the Temporal Resolution and Iterative Reconstruction with a Lung of Pig
Shiga University of Medical Science Hospital Makoto Yoshigoe
449. Effect of Tube Voltage and Iterative Reconstruction on CT Lung Subtraction Method
Department of Radiology, Kyorin University Hospital Keita Fukushima
450. Evaluation of Vessel Wall Velocity of Aortic Dissection: Using by MDCT with Multi-Phase Volume Interpolation Technology
Nihon Fukushi Medical College of Technology Hiroichi Yokoyama

451. Evaluation of 4D-Spiral Scan in 3rd-Generation Dual-Source CT : A Preliminary Study

Center for Radiology and Radiation Oncology, Kobe University Hospital Toshinori Sekitani

452. Accuracy of Subtraction Computed Tomography Angiography with Orbital Synchronized Helical Scanning by Using Organ Dose Modulation for the Diagnosis of Peripheral Arteries: A Phantom Study
Department of Diagnosis Radiology, Hiroshima Prefectural Hospital Satoshi Inada

Imaging Techniques and Research (CT) Clinical Technique

9 : 50~10 : 50 Chairman Katsumi Tsujioka (Fujita Health University)

Shinji Niwa (Nakatsugawa Municipal General Hospital)

453. Reposition of Arms Resulted in Longer Total Scan Time in CT Trauma PanScan

Department of Radiology, Kobe Red Cross Hospital Takayuki Miyayasu

454. Applications of Traumatic Brain Computed Tomography Scan for Patients with Traumatic Brain Injury

Department of Radiology, National Yang-Ming University Hospital, Yi-Lan, Taiwan Chun-Yi Lin

455. The Application Value of Precision Scan in Head and Neck CTA Examination

Radiology Department, The Affiliated Hospital of Southwest Medical University, Sichuan, China GuiDong Dai

456. Fundamental Study of Breathing Dynamic Imaging Method ~Study of Breathing Instruction Method ~

General Foundation Ohara Memorial Foundation Diagnostic Imaging Center Shun Muramatsu

457. Basic Study of Dynamic-Ventilation CT ~Evaluation of the Respiratory Phase in the Clinical~

General Foundation Ohara Memorial Foundation Diagnostic Imaging Center Shun Muramatsu

Imaging Techniques and Research (MRI) Myocardium: Relaxation Time Measurement

10 : 50~11 : 50 Chairman Kei Nishikawa (Kyushu University Beppu Hospital)

Kosuke Morita (Kumamoto University Hospital)

458. Characteristic of Myocardial T2 Mapping on 3T MRI: Influence of Various Segments and Fat Suppression Pulse

Department of Radiology, Fukuokaken Saiseikai Futsukaichi Hospital Hideo Arai

459. Saturation Recovery Myocardial T1 Mapping of Arrhythmia for Phantom Study

Department of Radiology, Kumamoto University Hospital Kosuke Morita

460. Study on the Accuracy and the Precision of T1 Mapping Obtained Using the Polarity Corrected TI Prep Method in Both 1.5-T and 3-T MRI Systems

Department of Radiology, Kyorin University Hospital Takuya Adachi

461. Accuracy and Reproducibility of Two Different Methods for Cardiac T1 Mapping

Division of Clinical Radiology, Tottori University Hospital Sayaka Takahashi

462. Myocardial Relaxation Times Measured from Postmortem Magnetic Resonance Imaging of Adult Humans

Department of Radiological Technology, Tsukuba Medical Center Hospital Hajime Saitou

463. A Simple Method for Creating Myocardial T₁-Map from Saturation Recovery MRI Images Using Approximate Calculation

Department of Radiology, Nagano Chuo Hospital Norishige Hatakeyama

Imaging Techniques and Research (MRI) Liver

13 : 00~13 : 50 Chairman Hiroyuki Muranaka (Tsukuba International University)

Kou Sasaki (Hiroshima Heiwa Clinic)

464. Optimization of Non-CE Selective Hepatic Artery Imaging

Hitachi, Ltd. Healthcare Business Unit Takashi Nishihara

465. Improvement of Fat Suppression Failure with Navigator Echo and SPAIR Pulse

Department of Radiology, Shiga Medical Center for Adults Yusuke Chatani

466. Quantitative T1 Measurement with Fat Suppression

Department of Radiology, Nagoya City University Hospital Kyosuke Mizuno

467. Basic Study on the Measurement Accuracy of Hepatic Fat Fraction Using ¹H-MRS (HISTO) in 3.0T System

Department of Radiology, Okayama Saiseikai General Hospital Yuuki Yoshimura

468. Basic Study on the Measurement Accuracy of Hepatic Iron Deposition Using ¹H-MRS (HISTO) in 3.0T System

Department of Radiology, Okayama Saiseikai General Hospital Yuuki Yoshimura

Imaging Techniques and Research (MRI) Brain Function

13 : 50~14 : 40 Chairman Kimihiro Kajita (Gifu University Hospital)

Takashi Fukuba (Fujita Health University Hospital)

469. MTR Increase Shows Back-To-Front Patterns in White Matter Development of Non-Human Primate Brain
Division of Radiological Sciences, Faculty of Health Sciences, Tokyo Metropolitan University Marin Nishio
470. How Fractional Anisotropy Value of the Thalamic VIM Changes in after Transcranial MR-Guided Focused Ultrasound Thalamotomy -At the One Year Follow Up-
Department of Radiology, Shin-yurigaoka General Hospital Hiroki Hori
471. Impact of Analysis Algorithms for Quantitative Brain MR Perfusion Image by Use with Digital Perfusion Phantom
Kokura Memorial Hospital Masayuki Yamanouchi
472. Visualization of Nigrosome 1 from the Anatomical Structure Point of View: What Causes Asymmetric Visualization?
Department of Radiology, Nagoya City University Hospital Nobuyuki Arai
473. Detection of Neurochemical Modulation Induced Repetitive Transcranial Magnetic Stimulation Using Ultra Short TE MRS Sequence
Advanced Clinical Research center, Fukushima Medical University Hitoshi Kubo

April 16 (Sun.) F203 + 204

Nuclear Medicine (SPECT, Planar) In-111, GSA Imaging

8 : 50~9 : 40 Chairman Hayato Odagiri (Tohoku University Hospital)

Nobuhiro Yada (Shimane University Hospital)

474. Study of the Energy Window of a Low- and Medium-Energy General-Purpose Collimator and a Fanbeam Collimator in In-111 Scintigraphy: Scatter Fraction and Sensitivity Analysis
Department of Radiology, Tottori University Hospital Shota Sakimoto
475. Evaluation of the Imaging Condition for the Somatostatin Receptor Scintigraphy Using ¹¹¹In-Pentetreotide
Department of Radiology, Osakafu Saiseikai Nakatsu Hospital Kenkichi Nakajima
476. Evaluation of the Quantitative Accuracy of In-111 SPECT in Somatostatin Receptor Scintigraphy
Department of Radiological Technology, Department of Medical Technology, Kyushu University Hospital Kazuhiko Himuro
477. The Effects of Reconstruction Methods and Attenuation Correction Technique in ^{99m}Tc-GSA SPECT Imaging
Department of Radiological Technology, Tokushima University Hospital Ryota Bando
478. Evaluation of Quantitative Index in Liver Receptor Scintigraphy
Kochi Health Sciences Center Ryotaro Tokorodani

Nuclear Medicine (PET) Image Processing

9 : 40~10 : 30 Chairman Kohei Hanaoka (Kindai University Hospital)

Akihiro Kikuchi (Hokkaido University of Science)

479. The Assessment of Small Lesion Detection in Low Background Radioactivity with PET/CT
Department of Health Sciences, Graduate School of Medicine, Kyushu University Naoki Hashimoto
480. Optimization of Smoothing Filter Size for PET Kinetic Analysis: A Phantom Study
Department of Radiology, Kagawa University Hospital Yukito Maeda
481. Iterative Factor Analysis to Estimate Input Function: Assessment with Digital Phantom Faculty of Health Sciences, Hokkaido University Koji Mano
482. Evaluation of Edge Artifacts Reduction by a Bayesian Penalized-likelihood Reconstruction at Different Sphere-to-background Ratios of Radioactivity
Tokyo Metropolitan University Shotaro Yamaguchi
483. Differences of Edge Artifacts on ⁶⁸Ga-PET Images and ¹⁸F-PET Images Using PSF Correction
Department of Radiological Technology, Koga 21 Hospital Shinji Amakusa

Nuclear Medicine (PET) Image Evaluation 1

10 : 30~11 : 10 Chairman Yasuharu Wakabayashi (Saitama Children's Medical Center)

Yuji Tsutsui (Kyushu University Hospital)

484. Considering of the Ability of PET Imaging, including around BG
Iwate Medical University Toshiaki Sasaki
485. The Influence of the Radioisotopes on the Spatial Resolution of PET Images
Department of Health Sciences, School of Medicine, Kyushu University Saki Kimoto

486. Effect of Statistical Noise on Volumetric Parameters Using the Adaptive Threshold Segmentation Method

Department of Radiological Technology, Public Central Hospital of Matto Ishikawa Tetsu Nakaichi

487. Utility of Respiratory Gating Imaging Method Using the 4D-CT

Department of Radiology, Hyogo Prefectural Amagasaki General Medical Center Yasushi Fujii

Nuclear Medicine (PET) Image Evaluation 2

11 : 10~11 : 50 Chairman Yukito Maeda (Kagawa University Hospital)

Ayumi Watanabe (Kitasato University Hospital)

488. Study of ¹⁸F-FDG Brain PET Imaging Protocol Using Continuous Bed Motion

Department of Radiology, Chiba University Hospital Kenji Shimokawa

489. Evaluation of Imaging Properties in Clinical Conditions Using Dedicated Breast PET Images

Graduate School of Health Sciences, Fujita Health University Natsuki Minoura

490. The Measurement Accuracy of Analysis Software for Positron Emission Tomography-computed Tomography

Department of Radiological and Medical Laboratory Science, Nagoya University Graduate School of Medicine Shinichiro Matsuzawa

491. The Characteristics of the Smoothing Filters in FDG PET Harmonization

Division of Radiology, Department of Medical Technology, Kyushu University Hospital Yuji Tsutsui

Radiotherapy Treatment Planning

13 : 00~13 : 40 Chairman Akitane Osaka (Niigata Prefectural Central Hospital)

Hironori Kojima (Kanazawa University Hospital)

492. Optimization of the Number of Arc for Treatment of the Small Target Using VMAT

Department of Radiology, Tobata Kyouritsu Hospital Yusuke Goto

493. A Fundamental Study of the Usefulness of Automatic Optimization Calculation Software in Head & Neck VMAT

Division of Radiation Therapy, Hiroshima University Hospital Takeo Nakashima

494. Reduction in Radiotherapy Dose to Optic Nerve in Patients with Maxillary Cancer: Evaluation of Head Position

Department of Radiological Technology, Kawasaki Medical School Hospital Yusuke Saeki

495. Evaluation of Metal Artifact Reduction Algorithm for Radiation Therapy Treatment Planning CT

Division of Radiology, Department of Medical Technology, Kyushu University Hospital Hiroo Murazaki

Radiotherapy Particle Beam

13 : 40~14 : 30 Chairman Takahiro Kato (Southern TOHOKU Proton Therapy Center)

Kouji Suzuki (Cancer Center Yamagata University Faculty of Medicine)

496. Impact of Gadolinium-based Contrast Agent for Carbon Ion Radiotherapy

Department of Radiology, Gunma University Hospital Nao Mogi

497. Development of Dose Calculation Program with Considering Three-Dimensional Respiratory Motion in Spot Scanning Proton Therapy

Faculty of Radiological Technology, Graduate School of Health Sciences, Fujita Health University Yusuke Ueshima

498. Measurement of the Lateral Dose Profiles in Proton Beam Therapy with a Single-Ring Wobbling Method

Southern Tohoku Proton Therapy Center Kimihiro Takemasa

499. Comparison of Single-Field Uniform Dose and Intensity Modulated Proton Therapy, Robustness

Nagoya proton therapy Center Kensuke Hayashi

500. The Feasibility of Liquid Ionization Chamber for Small Field Dosimetry in Proton Therapy

Graduate School of Comprehensive Human Sciences Nozomi Kitamura

Presentation at Monitor

April 14 (Fri.) N101

Imaging (MRI) Other

9 : 00~9 : 30 Chairman Masayoshi Sugimura (Seirei Fuji Hospital)

1001. Lumbar Nerve Visualization Using 2D FSE with Radial Scan
Hasuda hospital Takashi Yamada
1002. Study of Chemical Shift Artifacts in View Angle Tilting (VAT)
Department of Radiology, Medical technology stations, Aomori City Hospital Izuru Ohta
1003. Evaluation of Cuff-Induced Skeletal Muscle Microvascular Perfusion of Lower Extremity by ASL and IVIM MRI Techniques
Renji Hospital, School of Medicine, Shanghai Jiaotong University Qing Lu
1004. Magnetic Resonance Image Reconstruction Based on Nonautonomous Nonlinear Differential Equation
Shikoku Medical Center for Children and Adults Yusaku Yamaguchi
1005. Comparative Study of Unexpected Contrast Enhanced Material Injection during Using Gadobtrol: Previous 0.5mol/L Formulation and Improved Formulation
Department of Radiologic Technology, Jichi Medical University Hospital Yuri Yoshimura
1006. Quantitative T2 Mapping Accelerated by Model-Based Iterative Reconstruction(Clinical Trial)
Dokkyo Medical University Radiologic part Kenichi Kobayashi

Imaging Techniques and Research (MRI) Head and Neck

9 : 40~10 : 10 Chairman Yuichi Suzuki (The University of Tokyo Hospital)

1011. Examination of the 3T MRI Most Suitable Imaging Method in Tongue Cancer
Department of Radiology, Medical Hospital, Tokyo Medical and Dental University Eiko Sumita
1012. Usefulness of the High Temporal and Spatial Resolution Contrast-Enhanced MRI for Pituitary Dynamic Imaging
Department of Radiology, Faculty of Medicine, University of Miyazaki Hospital Tomomi Sumiyoshi
1013. The Feasibility Study of the Time-SLIP Sequence of Black Blood Time Interval (BBTI) Technology in MR Imaging of Hand Blood Vessels
Shaanxi Provincial People's Hospital, Xi'an City, china Jianfeng Li
1014. Comparison of 3D-variable-TSE and Non-variable-TSE for Black Blood Imaging
Department of Radiology, Steel Memorial Yahata Hospital Tsuyoshi Oshita
1015. Comparison of Whole Brain T2*WI between Multi-Shot FEEPI3D and Conventional FE2D Using a Double Contrast Phantom
Kyorin University Hospital Taisho Matsushima
1016. Effects of Interslice Leakage Artifact Reduction Technique for Multi-Band Echo Planar Imaging
Department of Radiology, Graduate School of Medicine, Juntendo University Takashi Iwasaki

Imaging Techniques and Research (MRI) Musculoskeletal, Clinical Safety

10 : 10~10 : 40 Chairman Yasuhiro Fujiwara (Kumamoto University)

1021. Fundamental Study of Magic Angle in the Meniscus of Knee Joint
Department of Radiology, Fukuoka Orthopedic Hospital Shinjiro Kugimiya
1022. Attempts of Artifact Reduction by Carbon Sheet. -Consideration at 1.5T-
Department of radiology, Jichi Medical University Hospital Tomomasa Tateno
1023. Evaluation about the Change of the MRV Signal by the Difference in Breathing Style
Department of Radiology, Minoh City Hospital Miori Uchida
1024. The Preparation Tool of Magnetic Resonance Imaging (MRI) for Children
Department of Radiology, Gunma Prefectural College of Health Sciences Anna Taniguchi
1025. Improving MRI Patient Care Using Complementary Alternative Medicine
Konxja Consulting Selena Glenn

Imaging Techniques and Research (MRI) Abdomen and Pelvis

10 : 40~11 : 10 Chairman Hiroya Aso (Shimane University Hospital)

1031. Evaluation of Three-Dimensional Multi-Shot TSE MRCP with a Single-Breath-Hold: Comparison with Three-Dimensional Single-Shot TSE MRCP
Combination of Respiratory-Triggered Techniques
Department of Radiology, Minoh City Hospital Takanobu Yamashiro

1032. Examination of a Factor Related to a Shear Stiffness of MR Elastography Using the EPI Method
Division of Radiology, Department of Clinical Technology, Niigata University Medical and Dental Hospital Yuta Nojima
1033. The Influence That Scan Parameter Gives to Images on Turbo LAVA Department of Radiology, Ohkubo Hospital Hitomi Yokokawa
1034. Acute Adverse Effects of Gd-EOB-DTPA and Prevention of the Adverse Reaction
Department of Radiological Technology, Toranomon Hospital Chisato Abe
1035. Utility of Ultra-Short TE Sequence for Reducing Susceptibility Artifacts from Various Metallic Embolic Materials
Department of Radiology, Jichi Medical University Saitama Medical Center Yusuke Ayabe
1036. Role of Dynamic Contrast-Enhanced MRI and DWI Combination in Diagnosing Cervical Cancer Lymph Node Metastasis and Its Clinical Value
Harbin Medical University Cancer Hospital, Harbin, China Yajuan Sun

Nuclear Medicine (PET, SPECT) Other

15 : 00~15 : 30 Chairman Kenta Miwa (International University of Health and Welfare)

1041. Fundamental Study of Multi-Bed Scan Method with Various Acquisition Time in ^{18}F -FDG PET/CT
Department of Radiological Technology, Kawasaki Medical School Hospital Hiroaki Mimura
1042. Effect of Subset Number in PET Image Reconstruction on the Image Quality
Department of Health Sciences, School of Medicine, Kyushu University Ayano Shoji
1043. Comparison of the SUV between the TOF-PET and Non-TOF-PET in Clinical Condition
Department of Radiology, Tokyo Medical and Dental University Keisuke Takino
1044. Estimation of the Injected Activity for Quantitative Analysis of SPECT/CT Kobe City Medical Center General Hospital Atsuhisa Ogawa
1045. Effect of Scatter and Attenuation Corrections to the Volume of Interest and Specific Binding Ratio on Dopamine Transporter Imaging
Department of Radiological Technology, Fukuoka University Hospital Kazunori Saruwatari

Nuclear Medicine (SPECT, Planar) Dopamine Transporter 3

15 : 30~16 : 00 Chairman Narihiro Hara (Sumitomo Hospital)

1051. Effects of Brain Radioactivity Concentration in Dopamine Transporter Imaging
Department of Radiology, Kochi Medical School Hospital Naoya Hayashi
1052. Comparison of the Semiquantitative Methods for $[^{123}\text{I}]$ FP-CIT Imaging Department of Radiology, Tohoku University Hospital Hayato Odagiri
1053. Evaluation of the Effects and Its Factors in Baseline Angle Setting on Striatum Nuclear Medicine Imaging
Department of Radiological Technology, Tokushima University Hospital Satoru Takashi
1054. The Influence of the Heterogeneity of Detector Sensitivity on Acquisition Time and Specific Binding Ratio of Striatal Dopamine Transporter Imaging with ^{123}I -Ioflupane SPECT
Department of Radiology, Aijinkai Healthcare Corporation Chibune General Hospital Takeshi Todoroki

Imaging (General Radiography) Image Evaluation, etc

8 : 50~9 : 20 Chairman Reiji Katayama (Kurume University Hospital)

1061. Comparison of MTF(System Contrast Transfer Function) by Variance Method and Edge Method in Mammography
Department of Radiology, Kurashiki Medical Center Mizuki Hamano
1062. The Possibility of Image Quality Management by Exposure Index and Deviation Index
Department of Radiology, Osaka City University Hospital Yuji Sakai
1063. Basic Study of the Image Evaluation by Scattered X-ray Correction Processing System
Department of Radiation Diagnostic Technology, Japanese Red Cross Wakayama Medical Center Hiroyuki Kobayashi
1064. Visual Evaluation of Scatter Correction Using Clinical Images Department of Radiology, Kyoto University Hospital Keisuke Kashima
1065. Effectiveness of the Scattered Radiation Correction Processing with Air Gap Technique for Imaging Foreign Matters
Department of Radiology, Kagawa University Hospital Kazuhiro Takeuchi
1066. Examination of Image Processing to Observe Extra Fine Catheter of the Mobile X-ray System for Newborn
Imaging Center, St.Marianna University School of Medicine Hospital Yuki Deguchi

Imaging (Multi-modality) System Evaluation, etc

9 : 20~9 : 50 Chairman Sadamitsu Nishihara (Tokushima University Graduate School)

1071. Optimization of Radiation Dose in FPD Based on DQE Department of Radiology, Kanazawa University Hospital Shuhei Minami
1072. Influence of an X-ray Oblique Incidence in Irradiation Side Sampling System of Indirect FPD
Department of Radiology, The Jikei University Kashiwa Hospital Kotaro Shinzato
1073. Effect of X-ray Incidence Angle on the Physical Characteristic of the Flat Panel Detector with Irradiation Side Sampling Technology
Meiseikai Shiokawa Clinic Tatsuya Yamashita
1074. Examination of Exposure Dose and Image Processing Parameters in the Full-Spine Radiographs Considering the Characteristic of the One-Shot Long Type DR System
St. Marianna University School of Medicine Hospital Takao Tanuma
1075. Usefulness of Virtual Fluoroscopic Image in Emergency IVR
Department of Radiology, National Hospital Organization Mito Medical Center Yoshihiro Tanaka
1076. Assessment of Medical Imaging Display in the Gastrointestinal Contrast Study
National Cancer Center Hospital Department of Radiological Mayumi Kitagawa

Imaging Techniques and Research (CT) CyPos 1

13 : 30~14 : 00 Chairman Masanori Ozawa (Nishisayama Hospital)

1081. A Fundamental Study of Virtual Monochromatic Image with Dual Energy CT of Split Filter System: A Phantom Study
National Hospital Organization Kyusyu Cancer Center Tetsuya Minamide
1082. A Comparison of Small Vessel Visibility by Dual Energy Imaging and Low Kilovoltage CT
Department of Radiology, Fukui University Hospital Masato Shimada
1083. The Assessment of Clinically Suspected Acute Appendicitis by MDCT
Department of Medical Imaging and Radiology, Cardinal Tien Hospital, Taiwan, R.O.C Tsung-Ming Lee

Imaging Techniques and Research (CT) CyPos 2

14 : 00~14 : 30 Chairman Tetsuya Hirairi (Juntendo University Shizuoka Hospital)

1091. Study of Streak Artifact Reduction Effect in Iterative Reconstruction Method
Akashi Medical Center Ryo Ogawa
1092. The Effect of Full-IR and Hybrid-IR Reconstruction on Image Qualities in Condition of Full Scan and Half Scan
Department of Radiology, Kobe City Medical Center General Hospital Yusuke Mifune
1093. Usefulness of Temporal Averaging Images on Pancreas Perfusion CT
Department of Radiology, Mie University Hospital Risa Wakabayashi
1094. Noise Indices Adjusted to Body Mass Index and an Iterative Reconstruction Algorithm Maintain Image Quality on Low-Dose Contrast-Enhanced Liver CT
The Affiliated Hospital of Hebei University Yongxia Zhao

Imaging Techniques and Research (IVR) IVR

16 : 00~16 : 30 Chairman Hiroyuki Miyake (Kawasaki Municipal Hospital)

1101. Examination of Optimum Imaging Method for 3D-DSA
Department of Radiological and Medical Laboratory Sciences, Graduate School of Medicine, Nagoya University Hidenori Sumi
1102. Analysis of the Software for Maximum Dose by Angiography System
Department of Radiology, The Jikei University Kashiwa Hospital Akio Kuramoto
1103. The Fundamental Study of Radiographic Parameter in the Stent Placement for the Cerebral Aneurysm
Department of Radiology, Saitama City Hospital Shiori Fukuda

Product Exhibition

April 15 (Sat.) Marine Lobby

Product Exhibition Core Time

11 : 00~11 : 45, 14 : 00~15 : 00

1. Effective Use of Stored Valuable Cases by Image-Based Retrieval and Keyword-Based Retrieval Using Artificial Intelligence Technologies

Biomedical Imaging Research Center, University of Fukui Masato Tanaka



【JSMP Program】

(A) JSRT-JSMP Joint Session Plenary Lecture

(1) April 15 (Sat.) 15:10–16:10 (503)

Radiomics: The new frontier in quantitative image modeling

Moderator: Kyushu Univ. Hidetaka Arimura
Univ. of Michigan Issam El Naqa

(2) April 16 (Sun.) 10:50–11:50 (503)

Current Trends of Patient Radiation Dose Monitoring and Tracking Systems

Moderator: Hokkaido Univ. of Science Takumi Tanikawa
Kagawa University Hosp. Naoki Nishimoto

1. Part I (Technical Aspect)

Virginia Commonwealth Univ. Medical Center Pei-jan Paul Lin

2. Part II (Operational Infrastructure)

Virginia Commonwealth Univ. Medical Center Shelia Regan

(B) Morning Educational Lecture

(1) April 14 (Fri.) 8:15–8:55 (418 + 419)

Fundamentals of Diodes as Radiation Detectors – n Type versus p Type

Moderator: HIPRAC Shuichi Ozawa
Sun Nuclear Corporation Jie Shi

(2) April 15 (Sat.) 8:15–8:55 (418 + 419)

Mathematical Techniques for Markerless Tumor Motion Following Radiation Therapy

Moderator: QST/NIRS Shinichiro Mori
Tohoku Univ. Noriyasu Homma

(3) April 16 (Sun.) 8:15–8:55 (418 + 419)

Risk-based analysis for radiotherapy according to AAPM TG-100

Moderator: Kyoto Univ. Mitsuhiro Nakamura
National Cancer Center Hospital Hiroyuki Okamoto

(C) Lunch Time Lecture

(1) April 14 (Fri.) 12:00–12:50 (418 + 419)

Development of State-of-The-Art Quality Assurance Dosimetry at CMRP:
International Collaboration (Overview)

Moderator: QST/NIRS Taiga Yamaya
Univ. of Wollongong Anatoly B. Rozenfeld

(2) April 15 (Sat.) 12:00–12:50 (418 + 419)

Deep Learning Techniques for Computer Aided Diagnosis

Moderator: Kyushu Univ. Hidetaka Arimura
Fujita Health Univ. Atsushi Teramoto

(3) April 16 (Sun.) 12:00–12:50 (418 + 419)

Radiation Protection for the lens of the eye

Moderator: QST/NIRS Shunsuke Yonai

1. Reduction of the dose limit by the ICRP and the current status

QST/NIRS Keiichi Akahane

2. The trend of the international and national standards for the dose of eye lens

AIST Tadahiro Kurosawa

(D) JSRT-JSMP Joint Symposium

April 14 (Fri.) 9:50–11:50 (501)

Radiological Physics and Technology

Moderator: Kumamoto Univ. Junji Shiraishi

Teikyo Univ. Shinji Kawamura

1. Radiological Physics and Technology: Brief History, Current Status and Future

RPT Editor-in-Chief Kunio Doi

2. Cited and non-cited articles – From the analysis of articles published in RPT

RPT Deputy Editor Masahiro Endo

3. Medical Physics 3.0

Duke Univ. Ehsan Samei

(E) Information Exchange Meeting on Medicine Physics Education Course

April 15 (Sat.) 13:00–14:30 (419)

Moderator: The Japanese College of Medical Physics Masahiro Fukushi

Teiji Nishio

(F) JSMP-JSMBE Joint Session

April 16 (Sun.) 11:00–11:50 (419)

Exchange meeting with Japanese Society for Medical and Biological Engineering (JSMBE)

Moderator: Kyoto Univ. Tsuyoshi Shiina

QST/NIRS Shigekazu Fukuda

NCVC Masaru Sugimachi

Kyoto Univ. Tsuyoshi Shiina

(G) Session for students

April 16 (Sun.) 14:00–14:50 (419)

“Are you satisfied with studying in Japan?”

Kindai Univ. Hajime Monzen

HIPRAC Shuichi Ozawa

JSMP Board of Directors

April 13 (Thu.) 12:00–17:00 (421)

JSMP General Meeting of Members

April 15 (Sat.) 17:10–18:10 (419)

【General Session】

April 13 (Thu.) PACIFICO Yokohama Conference Center 418

1. Radiation Therapy (photon/electron) 1 (IMRT/VMAT1) 13:00–13:50 Moderator: Yukio Fujita

- ★ **0-001** Dose error prediction based on the dose uncertainty accumulation of intensity-modulated radiation therapy
Hospital of UOEH Eiji Shiba
- 0-002** Evaluation of dosimetric impact of the jaw position displacement in jaw tracking VMAT
Juntendo Univ. Toru Kawabata
- ★ **0-003** PHITS Monte Carlo-dose verification of VMAT treatment plan with HD120MLC
Kumamoto Univ. Naoki Nagaishi
- 0-004** Statistical analysis of patient-specific IMRT quality assurance
Ryukyus Univ. Masashi Kinjyo
- 0-005** Feasibility study of transferring patients to a matched linear accelerator in case of machine breakdown in IMRT and VMAT plans
NCCHE Hidenobu Tachibana

2. Radiation Therapy (photon/electron) 2 (IMRT/VMAT2) 14:00–15:00 Moderator: Seiichi Ota

- ★ **0-007** Comparison of VMAT and 3-D CRT treatment plans in multiple brain metastases
Kumamoto Univ. Naoto Yamaura
- ★ **0-008** Dosimetric accuracy of dose calculation algorithms for VMAT in multiple brain metastases
Kumamoto Univ. Kento Hoshida
- 0-009** Impact of different MLC controls in volumetric modulated arc therapy for total body irradiation (VMAT-TBI)
Tokyo Metropolitan Univ. Yuta Takahashi
- 0-010** The analysis of the effect of implanted metal in spine for Volumetric Modulated Arc Therapy
Osaka Univ. Reimi Taniguchi
- ★ **0-011** Comparison of 3D CRT and the Jaws-Only IMRT (JO-IMRT) planning parameters for head-and-neck cancer
Dong Nai Hosp. Tai Duong Thanh
- ★ **0-012** Evaluation of Jaws-Only Intensity Modulated Radiation Therapy Treatment Plans using Octavius 4D System
Dong Nai Hosp. Tai Duong Thanh

3. Radiation Therapy (photon/electron) 3 (IMRT/VMAT3) 15:10–16:10 Moderator: Akihisa Wakita

- 0-013** The model-based estimation of rectal dose in volume modulated arc radiotherapy for prostate cancer
OMCC Yoshihiro Ueda
- ★ **0-014** Quantitative analysis for coldspots in dose distributions of IMRT for prostate cancer
Univ. of Kyushu. Ryosuke Asamura
- ★ **0-015** Impact of shape variation on PTV margins in IMRT for prostate cancer
Kyushu Univ. Hosp. Takaaki Hirose
- ★ **0-016** Planning study for esophageal cancer: A dosimetric comparison of conformal radiotherapy, VMAT and Hybrid-VMAT
OMCC Masayoshi Miyazaki
- ★ **0-017** Advantage of FFF beam compared to FF beam for VMAT-SBRT plans in lung tumor
Kumamoto Univ. Naoto Yamaura
- ★ **0-018** A comparison between dose calculation algorithms for VMAT-SBRT plans in lung tumor
Kumamoto Univ. Takanori Matsuoka

4. Radiation Therapy (photon/electron) 4 (Respiratory Gating and Tracking Technique)

16:10–17:00

Moderator: Shuichi Ozawa

- 0-019** Basic study of respiratory gated irradiation using FFF beam
Toho Univ. Sakura Medical Center Teruo Ito
- 0-020** A simple quality assurance system for respiratory-gated radiotherapy using pulse information from linac
Komazawa Univ. Tomoyuki Kurosawa
- 0-021** Assessment of tracking accuracy by detecting laser position using CMOS camera in CyberKnife
NCCH Hiroyuki Okamoto
- 0-022** Investigation of uncertainty in 4D dose accumulation for lung SBRT
Tohoku Univ. Ryutaro Ikeda
- 0-023** Design and development of a non-rigid phantom that ventilates air for the quantitative evaluation of CT-based pulmonary ventilation imaging
Komazawa Univ. Shin Miyakawa

5. Medical Image and Information

17:10–17:50

Moderator: Atsushi Myojoyama

- 0-024** Automatic chest X-ray screening with a deep neural network
Teikyo Univ. Junichi Kotoku
- 0-025** Development of patient recognition system for radiotherapy
Tokyo Metropolitan Univ. Takatomo Ezura
- ★ **0-026** A feasibility study for analyzing abnormal motion using relative cross correlation in tracking moving tumors in radiation therapy
The Univ. of Tokyo Ritu Bhusal Chhatkuli
- ★ **0-027** Investigation of the correlation in radiomics features between EPID and digitally reconstructed radiography images
Kyushu Univ. Mazen Soufi

April 13 (Thu.) PACIFICO Yokohama Conference Center 419

6. Radiation Therapy (particle) 1 (Measurement)

13:00–14:00

Moderator: Toshiyuki Toshito

- 0-028** Time-resolved analysis of Cherenkov light from positron emitter as a new probe to high-precision measurement of nuclear reaction cross section
Waseda Univ. Takamitsu Masuda
- 0-029** Luminescence imaging of water during carbon-ion irradiation
Nagoya Univ. Seiichi Yamamoto
- 0-030** Relationship between Luminescence Images and Dose Distributions in Water for Therapeutic Proton Beam
Nagoya Univ. Takuya Yabe
- 0-031** Development of a low-energy X-ray camera for beam monitoring of particle therapy
Nagoya Univ. Kouki Ando
- 0-032** Measurement of radiation quality of Pencil Carbon Ion Beams using a Silicon Detector
Gunma Univ. Kohei Osaki
- 0-033** Proposal for dosimetry system using e^+e^- pair production events
Chiba Univ. Shota Kimura

- 7. Radiation Therapy (particle) 2 (QA)** **14:00–14:40** **Moderator: Hideyuki Mizuno**
- 0-034** Commissioning of the small-field and large-field proton beams in line scanning therapy for the Eclipse Proton treatment planning system
Aizawa Hosp. Yuya Sugama
- 0-035** Development of an online proton dose distribution monitoring system by using a fluorescent screen (I)
The Wakasa Wan Energy Research Center Fuyumi Ito
- 0-036** Testing a ZnS:Ag scintillator as a QA tool for small-field carbon ion therapy
Kitasato Univ. Takumi Narusawa
- ★ **0-037** Time saving lateral profile validation procedure utilizing simplified Monte Carlo calculation for patient specific QA of proton beam therapy
Hitachi Ltd. Takahiro Yamada
- 8. Nuclear Medicine 1** **14:50–15:50** **Moderator: Masayori Ishikawa**
- ★ **0-038** Whole gamma imaging concept: feasibility study of triple-gamma imaging
QST/NIRS Taiga Yamaya
- 0-039** Whole gamma imaging concept: Compton-PET imaging simulation for positron emitters
Chiba Univ. Yusuke Okumura
- 0-040** Development of whole-body PET system with 3 mm resolution and 1M\$
Chiba Univ. Kento Fujihara
- 0-041** Development of gamma-detectors for PET with position resolution of 0.5mm
Chiba Univ. Yusaku Emoto
- 0-042** Development of a circular shape Si-PM-based detector ring for positron emission mammography (PEM) system
Nagoya Univ. Kouhei Nakanishi
- 0-043** Development of second add-on PET/MRI prototype: Evaluation of PET imaging performance
QST/NIRS Fumihiko Nishikido
- 9. Nuclear Medicine 2** **15:50–16:50** **Moderator: Hideaki Tashima**
- 0-044** Development of a head motion tracking system for the helmet PET
QST/NIRS Yuma Iwao
- 0-045** Development of Monte Carlo Simulation Built-in Quantitative Iterative Reconstruction
Kindai Univ. Hosp. Kenta Sakaguchi
- 0-046** Study on the cause of edge artifact in PSF-based image reconstruction and its mitigation by Map-EM method with L1 regularization
Tokyo Metropolitan Univ. Hiroyuki Shinohara
- ★ **0-047** Joint estimation of activity and attenuation for a compact brain TOF-PET system : a simulation study
Tokyo Institute of Technology Risako Tanaka
- ★ **0-048** Separation of two radionuclides in small animal SPECT system
Hosei Univ. Shunsuke Shimodaira
- ★ **0-049** Multi-pinhole imaging with a triple head SPECT system
Hosei Univ. Hayao Kubota
- 10. Nuclear Medicine 3** **17:00–18:10** **Moderator: Tomoyuki Hasegawa**
- ★ **0-050** Development of a four-layered DOI-PET detector with quadrisectioned crystals on the top layer
Chiba Univ. Genki Hirumi

- ★ **0-051** Development of an isotropic DOI detector based on two-sided photon readout
QST/NIRS Akram Mohammadi
- ★ **0-052** Comparison of yttrium-90 Compton image, SPECT, and PET
Gunma Univ. Makoto Sakai
- ★ **0-053** Simulation study on parallel plane PET based positron marker tracking with a volume of response algorithm
Hokkaido Univ. Ryo Ogawara
- ★ **0-054** Development of a small prototype system toward real-time OpenPET image-guided surgery
QST/NIRS Hideaki Tashima
- ★ **0-055** CALCULATING ABSORBED DOSE IN THYROID DISEASE TREATMENT BY I-131, USING OLINDA/EXM.
Nguyen Huu Huan high school Nguyen Thi Phuong Thao
- ★ **0-056** USING CARIMAS TO DETERMINE THE DISTRIBUTION OF RADIATION ACTIVITY IN PATIENTS FROM PET IMAGES
Nguyen Huu Huan high school Nguyen Thi Phuong Thao

April 14 (Fri.) PACIFICO Yokohama Conference Center 418

11. Radiation Therapy (photon/electron) 5 (Treatment Planning and QA 1)

9:10–10:10

Moderator: Takeshi Kamomae

- 0-057** VMAT QA using MapCHECK2 and original phantom
Tatebayashi Kosei Hosp. Ayaka Shinohara
- ★ **0-058** Evaluation of MLC error sensitivity for VMAT QA: a comparison of various QA devices and metrics
The Univ. of Yamanashi Masahide Saito
- 0-059** Study of the difference in inhomogeneity correction of the treatment planning system and the gantry-mounted 3-dimensional detector
Seirei Hamamatsu General Hosp. Yumiko Adachi
- 0-060** Design and Development of a new Clarkson method that accounts for lateral scatter in inhomogeneous media
Komazawa Univ. Shunta Jinno
- ★ **0-061** Optimal Control Point for Practical Dose Calculation with AXB Algorithm in Lung Stereotactic Body Radiation Therapy
Chulalongkorn Univ. Lukkana Apipunyasopon
- 0-062** Acceleration of the photon transport simulation by voxel-based Boltzmann transport calculation method using parallel computing
Tokyo Metropolitan Univ. Takahito Chiba

12. Radiation Therapy (photon/electron) 6 (Treatment Planning and QA 2)

10:20–11:20

Moderator: Satoru Sugimoto

- ★ **0-063** Computer-assisted treatment planning approach with genetic algorithm-based optimization using similar cases for lung stereotactic body radiation therapy
Univ. of Kyushu. Shu Haseai
- 0-064** Assessment of adaptive radiation therapy with deformable image registration software
Kobe Univ. Naritoshi Mukumoto
- 0-065** Investigation to improve dose distribution by adjusting the beam parameters based on the dose calculation during a course of radiotherapy
Tohoku Univ. Suguru Dobashi

- ★ **0-066** The automated contouring framework of clinical target volumes based on the Bayesian inference for a prostate cancer radiation therapy
Univ. of Kyushu. Kenta Ninomiya
- 0-067** A concept for evaluation of time-variable dose-volume evaluating on the time-dose-volume manifold
Osaka Univ. Yusuke Anetai
- 0-068** Evaluation of oxygen enhancement ratio (OER) derived from cell survival curves
Hokkaido Univ. Ryota Yamada

13. Radiation Therapy (photon/electron) 7 (QA 1) 14:40–15:40 Moderator: Keisuke Usui

- ★ **0-069** Assessment of delivery accuracy of Dynamic WaveArc technique using dose reconstruction method
Kyoto Univ. Hideaki Hirashima
- ★ **0-070** The shift of the effective point of measurement and displacement perturbation factor at cylindrical chambers in high energy Photon beams
Gono Bishwabidyalay (Univ.) Paul Kumaresh Chandra
- 0-071** A source model for Monte Carlo dose calculation with the multi-point scattered model
Tohoku Univ. Yoshiki Ishizawa
- 0-072** Comparison of measured Synergy and Infinity linear accelerators: multi-institutional study
Suita Tokushukai Hospital Yuichi Akino
- 0-073** Consideration on the control of output dose in radiation therapy equipment
Iwate prefectural Isawa Hosp. Koji Ishita
- 0-074** The analysis of multi-institutional beam data of Clinac iX & Novalis Tx linear accelerators
OMCC Masaru Isono

14. Radiation Therapy (photon/electron) 8 (QA 2) 15:50–16:50 Moderator: Yu Kumazaki

- 0-075** Comparison of machine log-file and machine log-file with EPID image dose reconstruction methods using two commercial software programs
Tohoku Univ. Yoshio Kon
- 0-076** Improvement of dose analysis method using dose gradient information
Hokkaido Univ. Masayori Ishikawa
- 0-077** Fundamental study on pass rate change induced by various resolutions for film-based dose distribution analysis
Hokkaido Univ. Isshi Nara
- ★ **0-078** Performance evaluation of TLD sheet toward the dosimetry in the build-up region
Hiroshima Univ. Tatsuhiko Suzuki
- 0-079** Testing plastic scintillator disk for verification of the electron boost plan in breast cancer patients
Kitasato Univ. Yuya Tatsuno
- 0-080** Measurement of an energy spectrum of linear accelerator using UVC camera
Tokyo Metropolitan Univ. Kyohei Morita

April 14 (Fri.) PACIFICO Yokohama Conference Center 419

15. Diagnostic Imaging 1 (X-Ray/CT 1) 9:10–10:00 Moderator: Shinji Abe

- 0-081** Imaging properties of the digital mammography using pixelated-scintillator
Osaka Univ. Masao Matsumoto
- ★ **0-082** Simulation study for effective reduction procedure of scattered X-rays toward high accuracy material identification based on photon counting technique
Tokushima Univ. Takashi Asahara

- 0-083** Investigation of 940nm near-infrared-ray computed tomography scanner
Iwate Medical Univ. Hosp. Yuichi Sato
- 0-084** Novel photon-counting low-dose computed tomography using a multi-pixel photon counter (2)
Waseda Univ. Tsubasa Oshima
- ★ **0-085** Measurement of X-ray spectra using an LSO-small-photomultiplier detector and its application to quad-energy computed tomography
Iwate Medical Univ. Satoshi Yamaguchi
- 16. Diagnostic Imaging 2 (X-Ray/CT 2) 10:00–10:50 Moderator: Shinichi Wada**
- 0-086** Characteristics of a high-spatial-resolution dual cadmium-telluride-array detector and X-ray imaging
Iwate Medical Univ. Eiichi Sato
- 0-087** Image-quality improvement of quad-energy X-ray computed tomography using a readily available cadmium telluride detector
Iwate Medical Univ. Yasuyuki Oda
- 0-088** Effect of the number of MDCT scanning detector rows on image quality
Ryukyus Univ. Takahiro Fujimoto
- ★ **0-089** Usefulness of Combined Interpolation Method for Metal Artifact Reduction in Head and Neck Computed Tomography
Miyagi Cancer Center Akira Ito
- 0-090** Image quality of virtual monochromatic imaging in dual-energy CT for detection of acute ischemic stroke
Kitasato Univ. Hidetake Hara
- 17. Radiation Protection 11:00–11:50 Moderator: Hiroki Ohtani**
- 0-091** The protective effect of amino acids against plasmid DNA damage induced by X-ray irradiation
Kitasato Univ. Kouhei Kamada
- 0-092** Study of generalization of X-ray CT sources for Monte Carlo calculation.
QST/NIRS Yusuke Koba
- 0-093** Search for Reasons of Incidence of Lung Cancers by Measurement of Environmental Radiation based on Cherenkov Detection
Chiba Univ. Hiroshi Ito
- ★ **0-094** Medical physicist's challenges in Nepal in absence of rules and regulations
Bir Hosp. Adhikari Kanchan P.
- ★ **0-095** A space engineering application of therapeutic broad proton beam for a cosmic ray simulation
WERC Kyo Kume
- 18. Radiation Therapy (particle) 3 (Positioning) 14:40–15:30 Moderator: Taeko Matsuura**
- 0-096** Comparison between current and advanced technique in image guidance for proton beam therapy in lung
Univ. of Tsukuba Shunsuke Moriya
- 0-097** The positioning precision of In-room CT image-guided system in proton therapy facility and the first application to prostate cancer treatment.
Fukui Prefectural Hosp. Yoshikazu Maeda
- ★ **0-098** Predicting Interfractional Motion in Carbon Ion Radiation Therapy from CBCT-Based Bayesian Statistics
Gunma Univ. Daniel S. Bridges
- ★ **0-099** Analysis software to evaluate deviation of water-equivalent thickness along proton beam path between Plan CT and CBCT for proton therapy
Hokkaido Univ. Takaaki Fujii

- ★ **0-100** Development of a Carbon-Knife system: Patient positioning and fixation system
Gunma Univ. Keawsamur Mintra

19. Radiation Therapy (particle) 4 (Treatment Planning)

15:40–16:30

Moderator: Yoshikazu Maeda

- 0-101** Calculation of water equivalent ratio of metal materials in patient body in carbon ion radiotherapy
SAGA HIMAT Genyu Kakiuchi
- 0-102** Revision of calibration method for CT-number to stopping-power ratio conversion in treatment planning of particle radiotherapy
QST/NIRS Hosp. Nobuyuki Kanematsu
- ★ **0-103** Beam angle optimization incorporating anatomical heterogeneities for pencil beam scanning charged-particle therapy in head and neck cancer
Tokyo Women's Med. Univ. Chie Toramatsu
- 0-104** Geometrical low-dose-gradient junctioning technique for spot scanning proton beam therapy
Nagoya Proton Therapy Center Toshiyuki Toshito
- 0-105** A dosimetric evaluation method with setup, range and radiosensitivity uncertainties in fractionated carbon-ion therapy
QST/NIRS Makoto Sakama

April 15 (Sat.) PACIFICO Yokohama Conference Center 418

20. Radiation Therapy (particle) 5 (BNCT, Other)

9:10–10:00

Moderator: Shunsuke Yonai

- 0-106** Development of remote-changeable Bonner-sphere spectrometer for characteristic estimation in neutron irradiation field for BNCT
KURRI Yoshinori Sakurai
- 0-107** Dosimetric impact due to intratreatment positioning error in boron neutron capture therapy for the high-grade glioma
STBRC Takahiro Kato
- 0-108** Development of a new production method for patient immobilization implement by combination with 3D Printing technique for BNCT
Univ. of Tsukuba Hiroaki Kumada
- 0-109** An Approach for BNCT to be a General Radiation Therapy
K2BNCT Science & Engineering Laboratory Tooru Kobayashi
- ★ **0-110** An application of microdosimetric kinetic model to targeted radionuclide therapy
Gunma Univ. Yoshiyuki Hirano

21. Radiation Therapy (photon/electron) 9 (CBCT and SBRT)

10:00–11:00

Moderator: Akihiro Haga

- 0-111** Feasibility study on a new approach to make CT to electron density conversion table for CBCT-based dose calculation
Keiyukai Sapporo Hosp. Yuta Kobayashi
- 0-112** Image quality improvement in cone-beam CT using super-resolution technique
Teikyo Univ. Asuka Oyama
- ★ **0-113** Estimating target position from orthogonal cone-beam CT projections by dual-source kV X-ray imaging system with extracorporeal infrared marker
Kyoto Univ. Hiraku Iramina

- 0-114** Improving the imaging of thoracic tumors using four-dimensional cone-beam CT with combined shared projection data
Juntendo Univ. Keisuke Usui
- ★ **0-115** Computational analysis of rectum translation variability in prostate cancer radiation therapy
Kyushu Univ. Mohammad Haekal
- ★ **0-116** Process of stereotactic body radiation therapy for liver cancer at hue central hospital.
Hue Central Hosp. Le Trong Hung
- 22. Medical Physics Education** 11:00–11:20 **Moderator: Hiraku Fuse**
- ★ **0-117** Medical Physics in Bangladesh: Education and Profession
Ahsania Mission Cancer and General Hospital Md Akhtaruzzaman
- 0-118** Educational outcomes of a medical physicist program in Japan for past ten years with "Ganpro"
Tohoku Univ. Noriyuki Kadoya
- 23. Magnetic Resonance 1 (Function and Device)** 15:10–15:40 **Moderator: Toru Yamamoto**
- ★ **0-119** Reproducibility of the Asymptotic Analysis in Intravoxel Incoherent Motion MRI
Kyoto Univ. Yenpeng Liao
- ★ **0-120** Arteriolar vasomotor function obtained from spectral analysis of MR signal fluctuation in human brain: deterioration by normal aging
Hokkaido Univ. Minghui Tang
- 0-121** Development of small-sized dielectric pads for improved RF field homogeneity in MR imaging of the brain at 7T
NICT Takashi Ueguchi
- 24. Magnetic Resonance 2 (Compressed Sensing)** 15:40–16:10 **Moderator: Seiji Kumazawa**
- 0-123** Study on the quantitative accuracy of three-dimensional brain MRI using compressed sensing
Tokyo Metropolitan Univ. Hiroyuki Shinohara
- ★ **0-124** Optimization of random sampling for compressed sensing MRI
Kyorin Univ. Ryutaro Kawamura
- ★ **0-125** The development of the random sampling method using the Hermitian symmetry for compressed sensing MRI
Kyorin Univ. Takeyuki Hashimoto
- 25. Magnetic Resonance 3 (Contrast)** 16:20–17:00 **Moderator: Masahiro Umeda**
- 0-126** Enhancement of the transverse relaxation time shortening effect by oxygen molecules in viscous solution with cellular diffusivity
Hokkaido Univ. Masayuki Taguchi
- 0-127** Gadolinium contrast agent enhances longitudinal relaxation rate strongly in solution with intracellular viscosity
Teine Keijinkai Hosp. Ken Masuyama
- 0-128** Cancerous-region enhancement utilizing gadolinium-oxide nanoparticles and 7.0-T magnetic resonance imaging
Iwate Medical Univ. Eiichi Sato
- 0-129** Development of a text-data based learning tool simulating the contrast of MR image
Tokyo Metropolitan Univ. Hiroyuki Shinohara

April 16 (Sun.) PACIFICO Yokohama Conference Center 418

26. Brachytherapy 9:10–10:10 Moderator: Takashi Hanada

- 0-130** Development of an independent verification method using DICOM RT Plan in gynecology brachytherapy
Chiba Univ. Yoshinobu Furuyama
- 0-131** Novel dosimetric measurement using RGD for HDR Brachytherapy with 3D printed deformable female pelvis phantom
Tohoku Univ. Kota Abe
- 0-132** Development and principle verification for the total three-dimensional end-to-end evaluation system in brachytherapy
Tokai Univ. Hosp. Tomoko Kikuchi
- ★ **0-133** A simple method for verification of HDR brachytherapy source position inside applicators using an electron beam from a linear accelerator
Ryukyus Univ. Yasumasa Kakinohana
- ★ **0-134** Monte Carlo simulations analysis of dosimetric impacts of titanium applicator and tissue inhomogeneity for cervical intracavitary brachytherapy
Kyushu Univ. Tran Thi Thao Nguyen
- ★ **0-164** External beam radiotherapy and high dose rate brachytherapy treatment for carcinoma cervix in cancer hospital
B.P.Koirala memorial cancer Hosp. Chaurasia Pradumna Prasad

27. Radiation Measurement 1 (Neutron) 10:10–10:50 Moderator: Yuzuru Kutsutani-Nakamura

- ★ **0-135** A comparison of generating properties of ^{128}I and $^{134\text{m}}\text{Cs}$ in a self-activated CsI scintillator for different energy neutron fields
Univ. of Kyushu. Ryo Kakino
- 0-136** Fundamental study of a simple neutron-distribution measurement method by the self-activation of CsI plates using a CCD camera
Univ. of Kyushu. Masaaki Tokunaga
- 0-137** A design study of a handy neutron spectrometer for BNCT QA procedures
Univ. of Kyushu. Ryosuke Kurihara
- 0-138** Optical photon transport simulation with GEANT4 for the paired SOF detector improvement
Hokkaido Univ. Yuki Murayama

28. Radiation Measurement 2 (Solidstate Detector) 13:00–13:50 Moderator: Kyo Kume

- 0-139** Development of a compact dosimeter using a silicon X-ray diode and a long USB cable
Iwate Medical Univ. Michiaki Sagae
- ★ **0-140** Development of a semiconductor dosimeter for radiation therapy using a microminiature substrate
Iwate Medical Univ. Satoshi Yamaguchi
- ★ **0-141** Evaluation of two-dimensional dosimetry using Al_2O_3 thermoluminescence slabs for robotic radiosurgery
Tokyo Metropolitan Univ. Shin Yanagisawa
- ★ **0-142** Feasibility study of CBCT dose measurements with tissue-equivalent thermoluminescence sheet
Juntendo Univ. Chie Kurokawa
- 0-143** A sensitivity calibration of radiophotoluminescent glass dosimeter for scattered therapeutic x-ray in water equivalent phantom
Nagoya Univ. Shouichi Yokose

29. Radiation Measurement 3 (Ion Chamber and Dosimetry)

14:00–15:00

Moderator: Toru Kawachi

- | | | | |
|----------------|---|----------------------------|-----------------|
| 0-144 | Characteristics of liquid ionization chamber for photon and electron beams | Univ. of Tsukuba Hosp. | Hideyuki Takei |
| 0-145 | Humidity effect of a free air type ionization chamber | Komazawa Univ. | Yuuki Sato |
| 0-146 | Study of uncertainty in positioning ionization chamber at reference depth for various water phantoms | Fukui Univ. Hosp. | Naoki Kinoshita |
| 0-147 | Kilovoltage x-ray beam dosimetry using a 0.6 cc ionization chamber with a $N_{D,w}$ | The National Cancer Center | Yukihiro Uchida |
| ★ 0-148 | New dosimetry based on ^{60}Co absorbed dose-to-water calibration in diagnostic x-ray beams | Kumamoto Univ. | Suzuna Umeno |
| 0-149 | An Ion chamber calibration by the ionization current measurement in a high-energy photon beam from a clinical linac | Komazawa Univ. | Ken Hirayama |

April 16 (Sun.) PACIFICO Yokohama Conference Center 419

30. Radiation Therapy (particle) 6 (Biological Dose) 9:10–10:00

Moderator: Makoto Sakama

- | | | | |
|----------------|--|-------------------|------------------|
| ★ 0-150 | The effect of the oxygen enhancement ratio on clinical dose in carbon ion radiotherapy | Gunma Univ. | Athena Paz |
| ★ 0-151 | An estimation of cell survival using microdosimetric kinetic model and CR-39 in carbon ion irradiation | Gunma Univ. | Yoshiyuki Hirano |
| 0-152 | Skin damage caused by single doses of carbon ions | Gunma Univ. | Maika Yamaguchi |
| 0-153 | Biological washout effect of positron emitter after Carbon ion treatment | Gunma Univ. Hosp. | Takayoshi Ishii |
| ★ 0-154 | The protective effect of various amino acids on plasmid DNA damage induced by carbon ion irradiation | Kitasato Univ. | Katsunori Yogo |

31. Radiation Therapy (particle) 7 (Irradiation Technique)

10:00–10:40

Moderator: Yoshikazu Tsunashima

- | | | | |
|----------------|--|-------------|---------------|
| 0-155 | Present status of full energy scanning for carbon-ion therapy at the NIRS-HIMAC | QST/NIRS | Yousuke Hara |
| ★ 0-156 | Development of a new ridge filter with honeycomb geometry for a pencil beam scanning system in particle radiotherapy | QST/NIRS | Ryohei Tansho |
| ★ 0-157 | Multiple Scattering Effect on Carbon CT Image. | Gunma Univ. | Sung Hyun Lee |
| ★ 0-158 | Charged particle computed tomography using different particles | QST/NIRS | Cécile Bopp |

32. Radiation Therapy (particle) 8 (Respiratory Motion)

13:00–13:50

Moderator: Mutsumi Tashiro

- 0-159** Commissioning of Eclipse Treatment Planning System for Spot-scanning Nozzle in Hokkaido University Proton Therapy Center
Hokkaido Univ. Hosp. Takaaki Yoshimura
- ★ **0-160** The retrospective interplay effect evaluation for real-time image-gated proton therapy using the fiducial marker motion and treatment machine log
Hokkaido Univ. Shusuke Hirayama
- 0-161** Impact of 4D-CT ventilation imaging-based functional treatment planning for proton-SBRT
Tohoku Univ. Yoshiro Ieko
- 0-162** Markerless tumor tracking by classification of deep machine learning
Univ. of Tsukuba Toshiyuki Terunuma
- 0-163** A real-time single-shot energy subtraction image filter for markerless tumor tracking in radiotherapy
QST/NIRS Shinichiro Mori

Names of participating companies

3z Corporation
 Accuray Japan K.K.
 Accuthera Inc.
 AcroBio Corporation
 Advanced Media, Inc.
 ANZAI MEDICAL CO.,LTD.
 APEX Medical, Inc./IMAC Co.,Ltd.
 ARGO CORPORATION
 Array Corporation
 ASAHIROENTGEN Ind. Co., Ltd.
 AstroStage Inc.
 AUTO SYSTEM CO.,LTD. Medical Division
 BARCO Co.,Ltd.
 Bayer Yakuhin, Ltd.
 Biosensors Japan Co., Ltd.
 Blue·Bell Soft Consultant Corporation
 Brainlab K.K.
 Canon Lifecare Solutions Inc./AZE, Ltd.
 Carestream Health Japan Co.,Ltd.
 Chartwell Healthcare Corporation
 Chison Medical Imaging Co.,Ltd
 CHIYODA TECHNOL CORPORATION
 Chronos Medical Devices,Inc.
 Chugai Technos Corporation
 Climb Medical Systems, Inc.
 CMI, Inc.
 Codonics Limited K.K.
 CrossTec Inc.
 DAIICHI SANKYO CO., LTD
 DigitalCore Corporation
 Doctor-NET INC.
 DRTECH Corporation
 e Medical Tokyo Co.,Ltd.
 ECOTRON Co.,Ltd.
 EIZO Corporation/EIZO Medical Solutions Inc.
 Elekta K.K.
 Element HRC Co.,LTD
 EMF Japan Co., Ltd.
 Ergotron Inc.
 EURO MEDITECH CO.,LTD.
 Excel Creates Inc.
 FEI
 FINDEX Inc.
 FLAIR Co.,LTD.
 FREEILL,Co Ltd
 Fuji Flex Co.,Ltd
 Fuji Pharma Co., Ltd.
 Fujidenolo CO., Ltd.
 FUJIFILM Medical Co.,Ltd./FUJIFILM Corporation/
 FUJIFILM RI Pharma Co.,Ltd.
 FUJITSU LIMITED
 FUYO CORPORATION
 GADELIUS MEDICAL K.K.
 GE Healthcare Japan Corporation
 Global Electronics Corporation
 Good Health Software Promotion Council
 Goodman Co.,Ltd.
 Hitachi, Ltd.
 Hologic Japan,Inc
 Hoshina Co.,Ltd.
 IKEN Engineering Co.,Ltd.
 ImageONE Co.,Ltd.
 INFINITT JAPAN Co.,Ltd.
 INFOCOM CORPORATION
 Integral Corporation
 ISB CORPORATION
 ITEM Corporation
 J. MORITA MFG. CORP.
 The Japan Fair Trade Council of the Medical Devices
 Industry (JFTC)
 Japan Institute of Computer Assisted Radiology and
 Surgery
 J-MAC SYSTEM, INC.
 JPI Japan Co.,Ltd.
 Just Medical Corporation Co.,Ltd.
 JVC KENWOOD Corporation
 Kenko Tokina Co.,Ltd.
 KISSEI COMTEC CO.,LTD.
 KONICA MINOLTA JAPAN ,INC.
 KURARAY TRADING Co.,Ltd
 Kyorin Systemac Co.,Ltd.
 KYOTO KAGAKU CO., LTD.
 K.K. LAMTEC
 MAEDA&Co.,LTD.
 Mediark Inc.
 MEDICAL CREATE Co.,Ltd.
 Medical Expert,Inc.
 Mevion Medical Systems
 MIKASA X-RAY CO., LTD.
 Mitaya Manufacturing Co.,Ltd.
 Mitsubishi Electric Information Systems Corporation
 MIURA CORPORATION
 MNES Inc./LPixel Inc.
 MORIYAMA X-RAY EQUIPMENTS CO.,LTD.
 NAGASE&CO.,LTD.
 Nemoto Kyorindo Co., Ltd.
 NetCam Systems Corporation
 NIHON BINARY CO, LRD.
 Nihon Medi-Physics Co.,Ltd.
 Nihon Poladigital K.K.
 NIKKO FINES INDUSTRIES CO.,LTD.
 Nippon Electric Glass Co., Ltd.
 NMP Business Support Company, Limited.
 Nordic Neuro Lab AS/Physio-Tech Co., Ltd.
 Nova Biomedical K.K.
 OBAYASHI MFG. CO., LTD.
 ORION ELECTRIC CO.,LTD.
 Panasonic Lighting Device Co., Ltd.
 Panasonic Medical Solutions Co.,Ltd.
 PerkinElmer Japan Co.,Ltd./AD Science Inc.
 Philips Electronics Japan,Ltd.
 Photron M&E Solutions Inc.
 ProMedica Inc.
 PSP Corporation.
 Qualita corp./Engineering System Co., Ltd.
 Renaissance of Technology Corporation
 Ricoh Company,Ltd.
 RIKUTOH CORPORATION
 Rimage Japan Co.,Ltd
 R-TECH.INC
 RTQM system Inc.
 SANGYO KAGAKU CO.,LTD.
 Sctei Medical Labo K.K./SCETI K.K.
 SHEEN MAN CO.,LTD.
 SHIMADZU CORPORATION/SHIMADZU MEDICAL
 SYSTEMS CORPORATION
 Siemens Healthcare K.K.
 Sky Factory Japan/HSD Japan LLC
 Spellman High Voltage Electronics Corporation
 Star Product Limited
 TAKARA BELMONT CORPORATION
 TechMatrix Corporation
 TERARECON,INC.
 Thales Electron Devices S.A.S
 TOKYO KEIKI AVIATION INC.
 TORECK Co.,Ltd.
 TOSHIBA MEDICAL SUPPLY CO.,LTD.
 TOSHIBA MEDICAL SYSTEMS CORPORATION
 TOYO Corporation
 Toyo Medic Co.,LTD.
 UBIX Corporation
 Unfors RaySafe K.K.
 UNIVERSAL GIKEN CO.,LTD.
 U'sTEC System Development Co.,Ltd.
 VAREX IMAGING JAPAN K.K
 Varian Medical Systems K.K.
 ViewSend ICT Co.,Ltd./Fujikin Incorporated
 Vigoment Software Corporation
 WIN17 Co.,Ltd
 Yokogawa Medical Solutions Corporation
 Yoshida Denzai Kogyo Co.,Ltd.
 Ziosoft, Inc. /AMIN,Inc.

