

JRC 2018 Program

Innovative Science and Humanism in Radiology

The 77th Annual Meeting of the Japan Radiological Society

The 74th Annual Meeting of the Japanese Society of Radiological Technology

The 115th Scientific Meeting of the Japan Society of Medical Physics

The International Technical Exhibition of Medical Imaging 2018

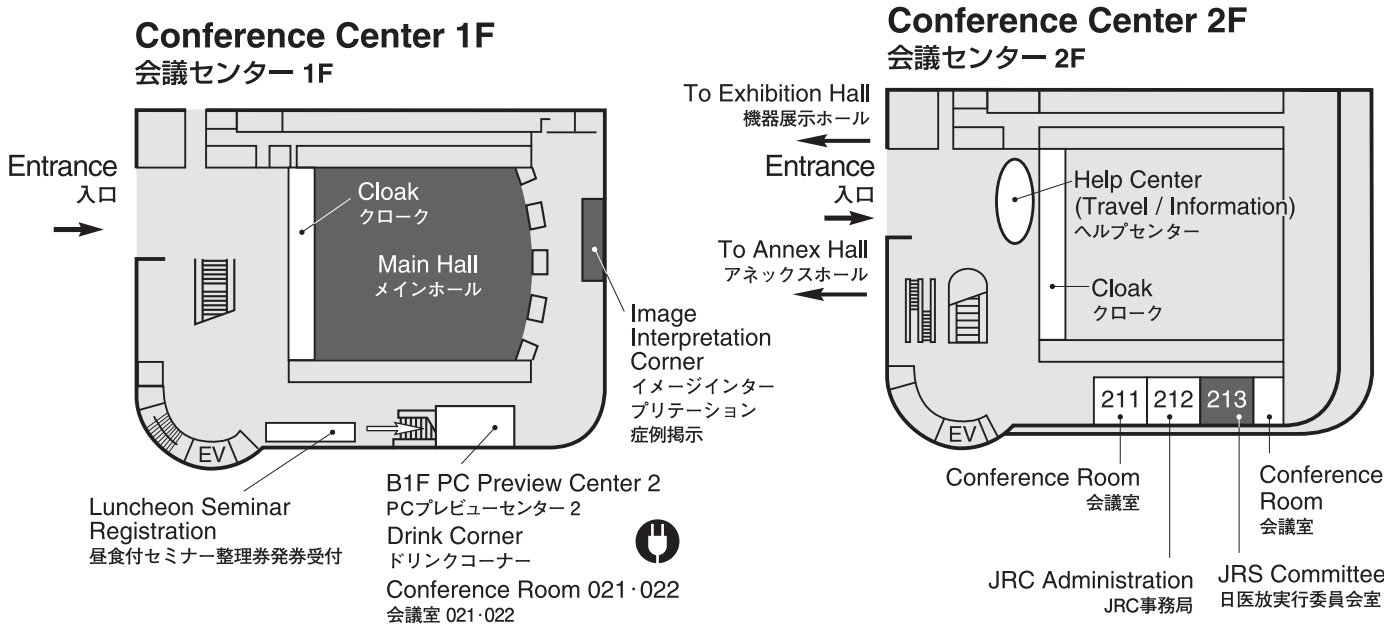
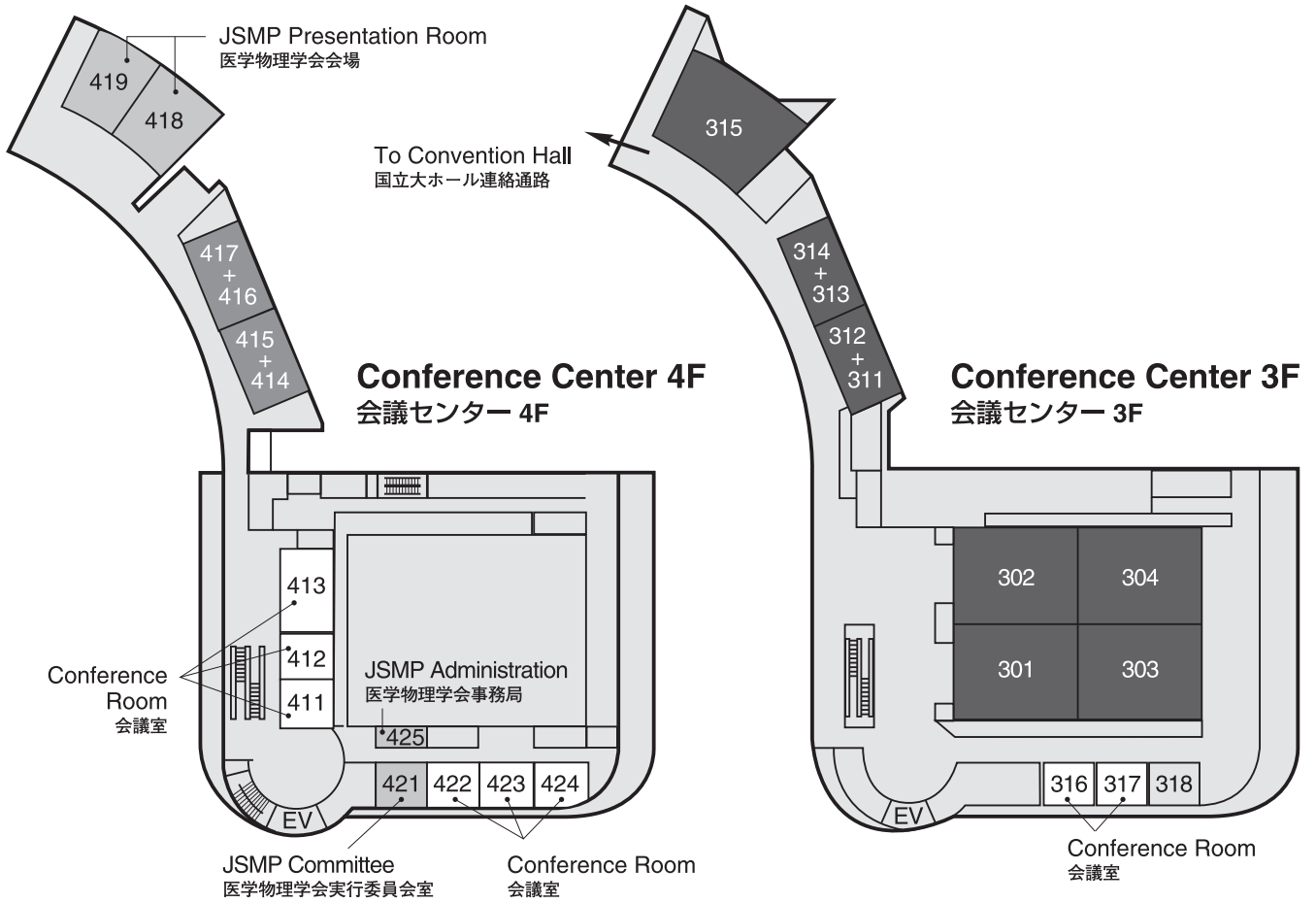
April 12 (Thu) - April 15 (Sun), 2018

PACIFICO YOKOHAMA

Venue Map

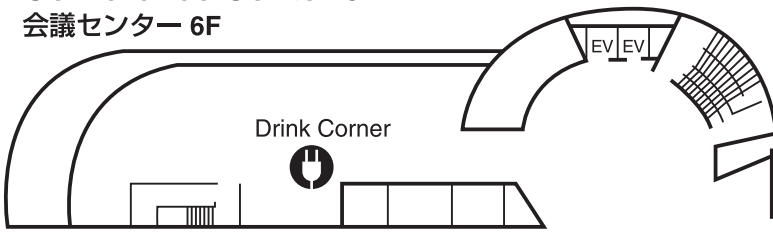
JRS 日医放会場
JSRT 技術学会会場
JSMP 医学物理学学会会場
Common 合同会場

Help Center (Conference Center 2F) ヘルプセンター	045-228-6444
JRS Committee (213) 日医放実行委員会室	045-228-6440
JSRT Committee (514) 技術学会実行委員会室	045-228-6441
JSMP Committee (425) 医学物理学学会実行委員会室	045-228-6442
ITEM Administration 工業会事務局	045-228-6634
JRC Administration (212) JRC 事務局	045-228-6443



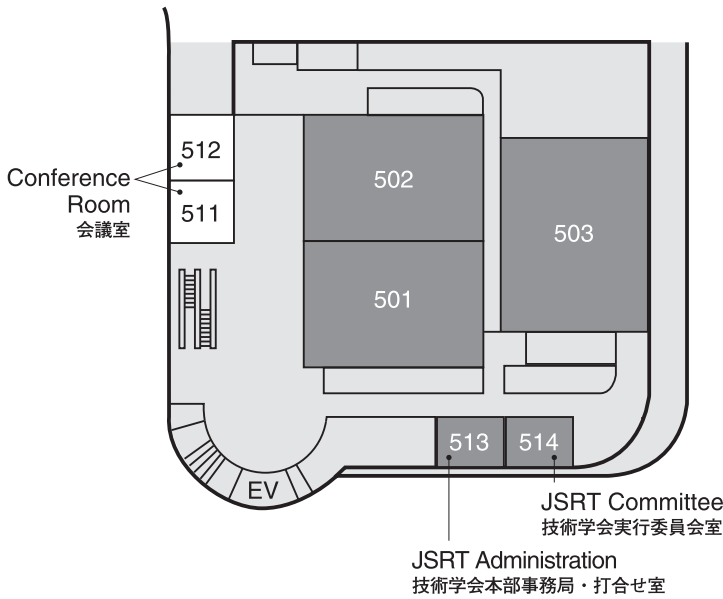
Conference Center 6F

会議センター 6F



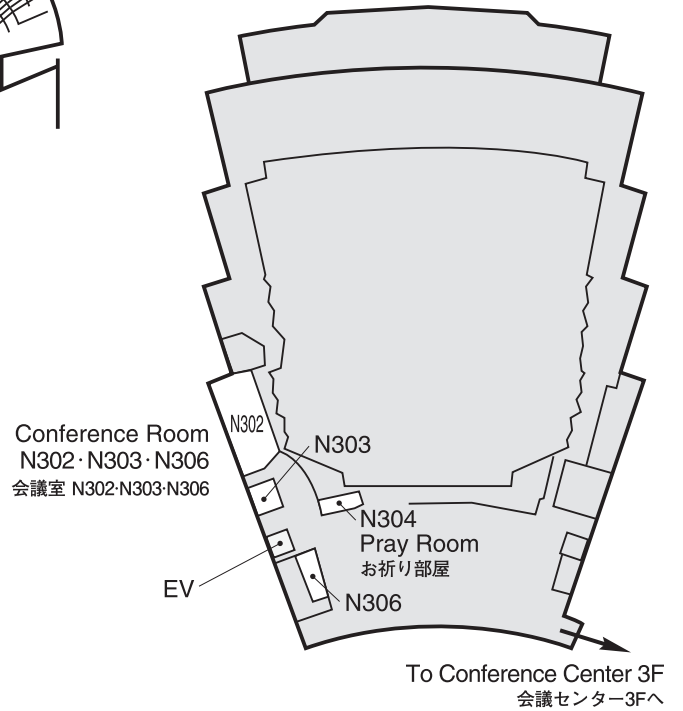
Conference Center 5F

会議センター 5F



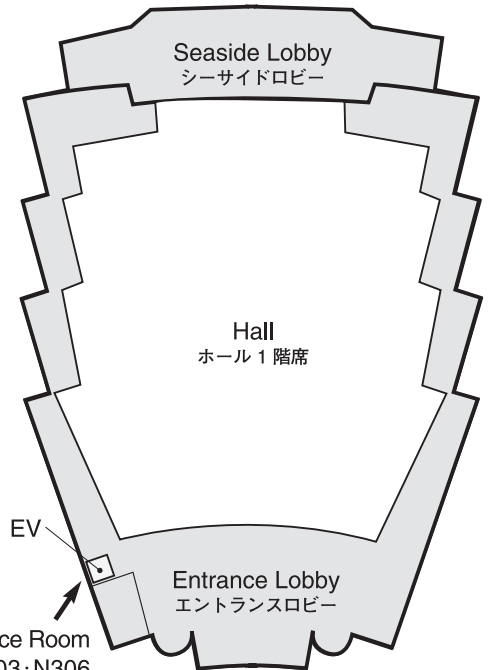
National Convention Hall 3F

国立大ホール 3F



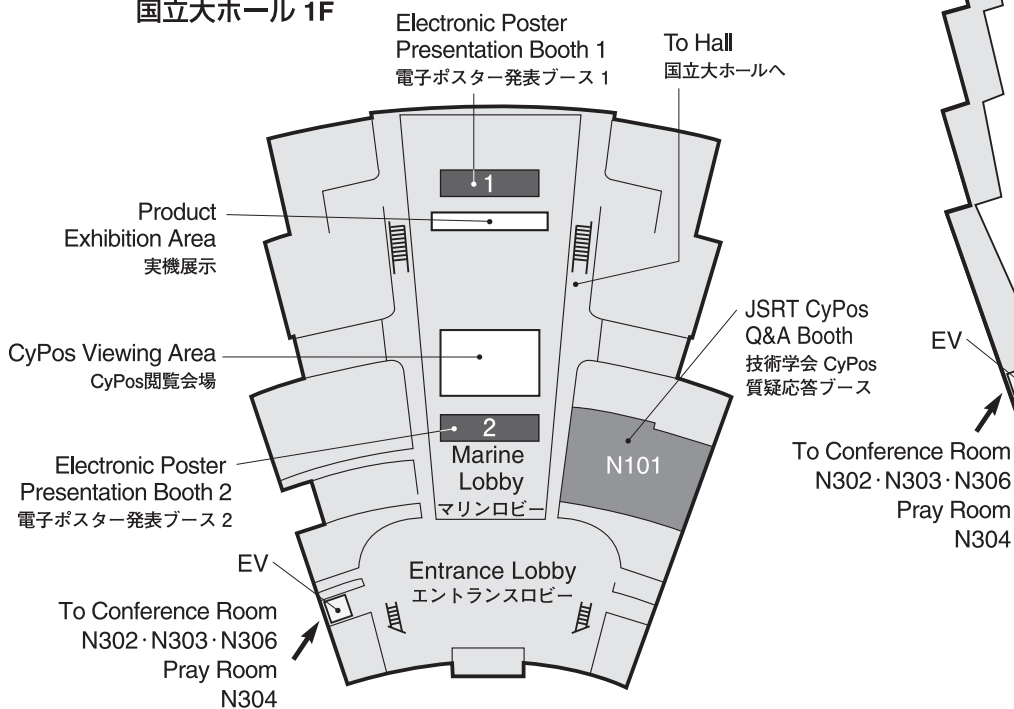
National Convention Hall 2F

国立大ホール 2F

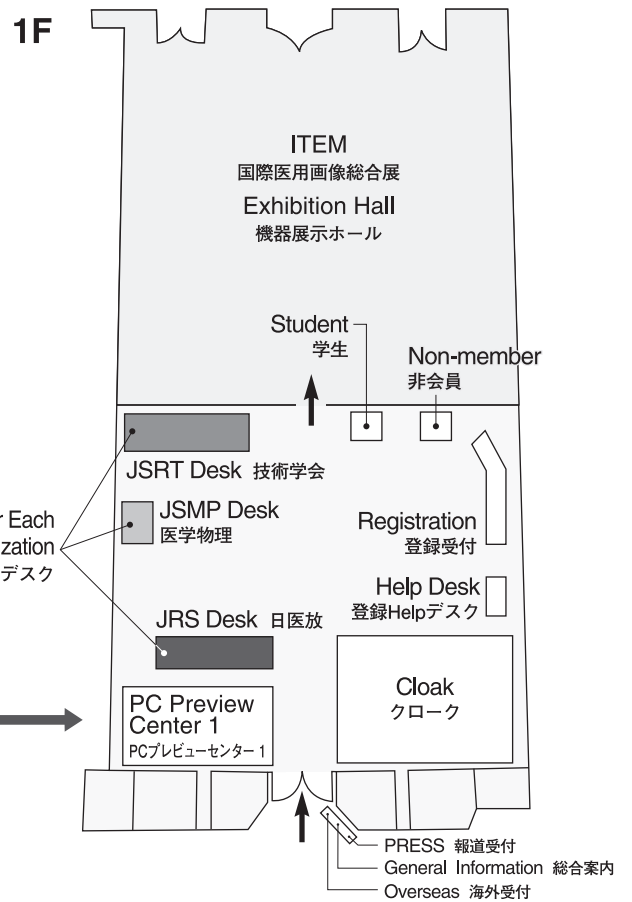
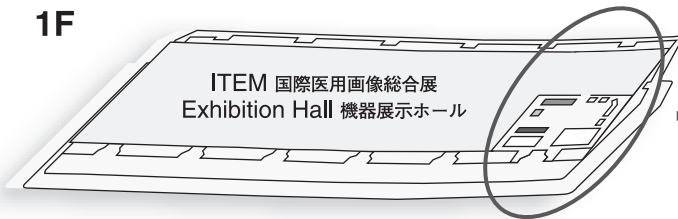
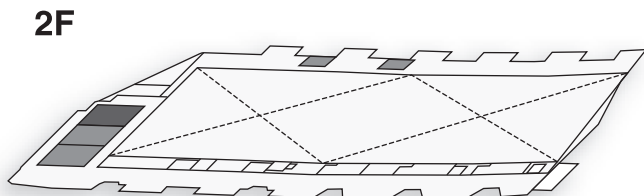
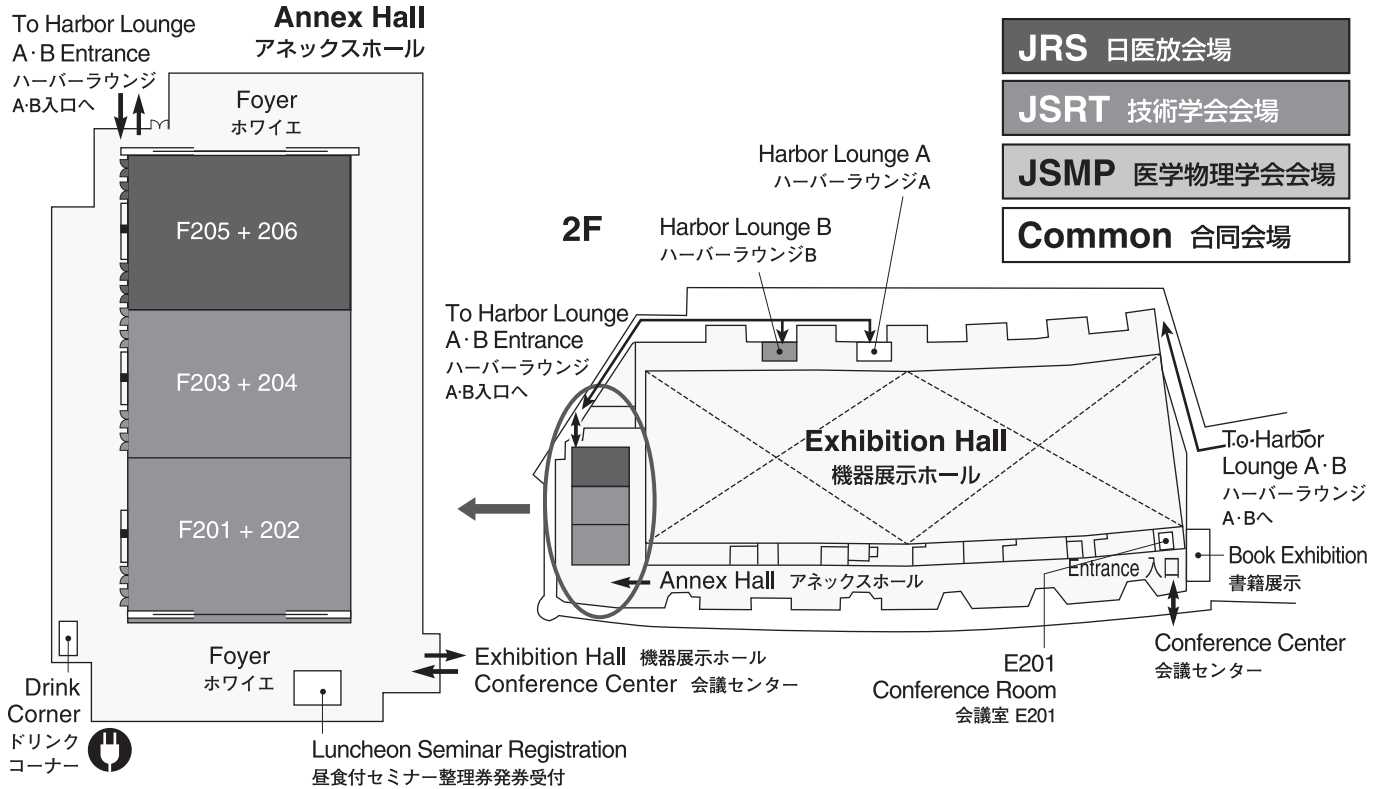


National Convention Hall 1F

国立大ホール 1F



Exhibition Hall



Time Table

April 12 (Thursday)

Venue		8	9	10	11	12	13
301	3F						
302							
303							
304							
313 + 314							
414 + 415	4F						
416 + 417							
418							
419							
421							JSMF Board of Directors
501	5F						
502							
503							
Harbor Lounge B	Annex Hall						
F201 + 202							
F203 + 204							
Marine Lobby	National Convention Hall						CyPos Viewing
Exhibition Hall							

13	14	15	16	17	18	19	20
Representative Assembly							
				1. Obstetrics/ Gynecology 1	Case-Based EL 1		
				2. Head and neck 1: Tumor	Case-Based EL 2		
				3. Chest 1: Lung cancer	Case-Based EL 3		
International Communication AOSOR-JRS Conjoint Session Recent Topics of Diffusion Weighted Imaging in Neuroimaging							
Measurement (Mammography) Radiation Dose Evaluation	Measurement (CT) Radiation Dose Evaluation 1	Measurement (CT) Radiation Dose Evaluation 2	Medical Informatics (Radiation Dose Management System), Other	Theme Session: Preclinical Study-Basic Technology 1	Theme Session: Preclinical Study-Basic Technology 2		
Broadcast (414 + 415)							
1. Radiation Therapy (photon/ electron) 1 (Commissioning)		2. Radiation Therapy (photon/ electron) 2 (Treatment planning 1)		3. Radiation Therapy (photon/ electron) 3 (Patient specific QA 1)		4. Radiation Therapy (photon/ electron) 4 (Outcome prediction- Radiomics)	5. Radiation Therapy (photon/ electron) 5 (IGRT)
6. Radiation Therapy (particle) 1 (Treatment planning)	7. Radiation Therapy (particle) 2 (LET- Stopping power)		8. Radiation Therapy (particle) 3 (Dosimetry)	9. Diagnostic Imaging 1 (Analysis- Evaluation)			
JSMP Board of Directors							
Nuclear Medicine (SPECT, Planar) Image Processing, Image Analysis 1		Nuclear Medicine (SPECT, Planar) Image Processing, Image Analysis 2		Nuclear Medicine (SPECT, Planar) Image Processing, Image Analysis 3, Radionuclide Therapy		Theme Session New Technology Development	Measurement (Angiography) Radiation Dose Evaluation
Radiation Protection (Angiography, Interventional Radiology) Radiation Exposures	Radiotherapy (Treatment Planning-1)	Radiotherapy (IGRT-1)	Radiotherapy (Body Surface Detector)	Radiotherapy (Breathing Management)	Radiotherapy (Brachytherapy)	Radiotherapy (Particle Therapy- 1)	Radiotherapy (Radiobiology)
Imaging Techniques and Research (CT) Performance Evaluation	Imaging Techniques and Research (CT) Iterative Reconstruction	Imaging Techniques and Research (CT) Artifact		Imaging Techniques and Research (CT) Metal Artifact	Imaging Techniques and Research (CT) Cardiac CT	Imaging Techniques and Research (CT) CT Colonography	Imaging Techniques and Research (CT) Perfusion
Terminal Viewing Room							
Imaging Techniques and Research (DR, IVR) Development		Imaging Techniques and Research (DR, IVR) Basic		Imaging Techniques and Research (General Radiography) Bone, Image Evaluation		Imaging Techniques and Research (DR, IVR); CBCT	Imaging Techniques and Research (General Radiography) Breast
Imaging (MRI) Brain: Image Analysis		Imaging Techniques and Research (MRI) Spine	Imaging Techniques and Research (MRI) Extremity MRA		Imaging Techniques and Research (MRI) MR Elastography	Imaging Techniques and Research (MRI) Diffusion	
CyPos Viewing							

	JRS
	JSRT
	JSMP
	Joint Session

April 13 (Friday)

Venue		8	9	10	11	12	13	
National Convention Hall		EL 1 [MOC Requirements] Radiation Safety Protection 1						
Main Hall	1F	EL 2 Gastrointestinal Radiology 1	Symposium 1 Diagnostic Imaging in the Hepatobiliary and Pancreatic Regions: Focusing on the Differentiation between Benign and Malignant Lesions			Luncheon Seminar 1 Topics of Contrast enhanced CT and MRI		
301	3F	EL 3 Nuclear Medicine 1	Symposium 2 New Frontiers of Fusion Imaging			Luncheon Seminar 2 New innovative generation of Canon MRI		
302		EL 4 Radiation Oncology 1	Joint Educational Session Diagnostic and Therapeutic Indications of Prostate Cancer			Luncheon Seminar 3 Clinical Applications of 3D printing in Cardiovascular Medicine		
303		EL 5 Neuroradiology 1	International Communication Introduction of RSNA	International Communication Introduction of ESR	Symposium 3 Standardization of Quantitative Imaging: Recent Topics of Quantitative Imaging Biomarker Alliance (QIBA)		Luncheon Seminar 4 Expanding Precision Medicine through innovation	
304		EL 6 Genitourinary Radiology 1	Special Focus Session 1 Female Imaging	4.Obstetrics/ Gynecology 2	5.Breast 1: Imaging Technique		Luncheon Seminar 5 Clinical topics of cardiac MRI	
311 + 312		EL 7 Cardiac Radiology 1	Invited Lecture 1	6.Cardiovascular 1: Great vessel		7.Cardiovascular 2: Coronary/ Imaging technique		
313 + 314		EL 8 Musculoskeletal Radiology 1	8.Artificial intelligence		9.IT/ Education/ Miscellaneous		Luncheon Seminar 7 Dynamic Chest Radiography Using Flat Panel Detector System: Technique and Clinical Usefulness	
315		EL 9 IVR 1	Invited Lecture 2	10.Abdomen 1: Abdominal disease/ Imaging technique		11.Abdomen 2: Gastrointestinal		
414 + 415		4F	Executive Committee Session 12 English Presentation Support Seminar (Radiation Protection/ Measurement)	EL 2 (Measurement)		51st. Measurement Division The Latest Topics on Hp(3)		Executive Committee Session 10 Introduction of Graduate Schools for Doctor Degree Part I
416 + 417			Broadcast (414 + 415)					Luncheon Seminar 9 "AI" technology in diagnostic imaging
418			Morning EL 1	10.Radiation Measurement 1	11.Radiation Measurement 2	12.Medical Image and Information 1 (General)		Lunch Time Lecture 1
419			EL Prevalence of research ethics Your presentation will be rejected	Satellite		Satellite		
501	5F		Expert Subcommittee Lecture (CT)	Collaborative Symposium in Medicine and Engineering Take Advantage of Radiological Technology			Executive Committee Session 3	
502		Expert Subcommittee Lecture (Imaging Sciences)	Imaging (General Radiography) Mammography, Other	CAD (Multi-modality) Image Analysis	CAD (Multi-modality) Diagnostic Support		Executive Committee Session 12 English Presentation Support Seminar (Imaging Sciences)	
503		Executive Committee Session 12 English Presentation Support Seminar (CT)	EL 1 (Diagnostic Imaging)	70th. Diagnostic Imaging Division Pursuing Better Imaging Techniques in Radiology Theme B: CT Review Reproducibility of 3DCTA and CT Protocol			Executive Committee Session 8	
Harbor Lounge B	Annex Hall	Terminal Viewing Room			Overseas Visitors Conference International Exchange Program			
F201 + 202		Executive Committee Session 12 English Presentation Support Seminar (MR)	Imaging (MRI) Liver, Gallbladder, and Pancreas	Imaging Techniques and Research (MRI) Heart and Great Vessel	Imaging Techniques and Research (MRI) Basic		Executive Committee Session 4	
F203 + 204		Expert Subcommittee Lecture (Nuclear Medicine)	Nuclear Medicine (SPECT, Planar) Clinical Technique	Nuclear Medicine (PET) Image Processing, Image Analysis 1	Nuclear Medicine (PET) Image Processing, Image Analysis 2			
F205 + 206		EL 10 Radiation Oncology 2	EL 11 Radiation Oncology 3	指導者講習会 1		Luncheon Seminar 10 Discussion: Chemoradiotherapy of unresectable stage II non-small cell lung cancer		
N101	National Convention Hall			Radiotherapy (Treatment Planning, Others)	Radiotherapy (Patient Immobilization, Others)			
Poster Presentation Booth 1		Poster 1. Interventional Radiology 1: Ablation/ Cryotherapy	Poster 2. Interventional Radiology 2: Embolization	Poster 3. Interventional Radiology 3: Embolization/ Miscellaneous				
Poster Presentation Booth 2		Poster 6.Chest 1: Imaging technique	Poster 7. Chest 2: Lung disease	Poster 8. Head and neck				
Marine Lobby		7:15~ CyPos Viewing						
2nd Basement Floor Ambassador's Ballroom	Yokohama Bay Hotel Tokyu B2F Queen's Grand Ballroom				International Communication The 3rd Asia Radiology Summit			
Exhibition Hall		ITEM 2018 Opening Ceremony	International Technical Exhibition of Medical Imaging (ITEM) 2018					

13	14	15	16	17	18	19	20
			Resident Seminar (Radiation Oncology) Essentials of Recent Advances in Radiation Oncology				
Opening Ceremony Keynote lecture	Honorary Member Award Ceremony	Joint Special Lecture	Joint Symposium 1 Management for Radiation Dose Reduction in Clinical Practice				
			Honorary Invited Lecture 1	Symposium 4 PET Imaging in Dementia			
			Symposium 5 Characteristics and Roles of Diagnostic Modalities in Breast Cancer				
			Symposium 6 The Education of Radiation Oncologists in the New Medical Specialist Training Program				
			Special Focus Session 2 Hepatic Imaging	12. Abdomen 3: Liver disease			
			EL (JJR Editorial)	13. Cardiovascular 3: Heart			
			Education	Imaging Techniques and Research (CT) Workstation: Noise Reduction	Imaging Techniques and Research (CT) Workstation		
			Broadcast (414 + 415)		Next Generation Session		
			13. Radiation Therapy (photon/ electron) 6 (Patient specific QA 2)	14. Radiation Therapy (photon/ electron) 7 (Treatment planning 2)			
			15. Radiation Therapy (particle) 4 (Commissioning)	16. Diagnostic Imaging 2 (Development)	Report from the QA/ QC committee 2016-17 on survey results		
			EL 3 (Medical Informatics)	31st. Medical Informatics Division The Latest Trend of Information Security			
			EL 4 (Image Sciences)	83rd. Image Sciences Division Basic of Scatter Removal -Scatter Removal Grids and Grid- like Image Processing are Similar but Different-			
			Expert Lecture 2	Imaging Techniques and Research (CT) Contrast Medium: Liver, Gallbladder, Pancreas	Imaging Techniques and Research (CT) Contrast Medium: Cardiovascular, Lung		
Terminal Viewing Room							
			Imaging (MRI) Head and Neck MRA, Cerebral Blood Flow	Imaging (MRI) Musculoskeletal	Clinical Safety and Other (MR)		
			Nuclear Medicine (PET) Image Processing, Image Analysis 3, Measurement Technique	Radiotherapy (Treatment Planning-2)	Radiotherapy (Dosimetry-1)		
			Imaging (MRI) Heart, Other			<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; flex-direction: column; gap: 5px;"> <div> JRS</div> <div> JSRT</div> <div> JSMP</div> <div> Joint Session</div> </div> </div>	
			Poster 4. Interventional Radiology 4: Technique/ Miscellaneous	Poster 5. IT/ Radiologic interpretation			
			Poster 9. Cardiovascular 1: Coronary	Poster 10. Musculoskeletal			
CyPos Viewing							
						Reception for All Participants (Congress Party)	
International Technical Exhibition of Medical Imaging (ITEM) 2018							

April 14 (Saturday)

Venue		8	9	10	11	12	13	
National Convention Hall		EL 12 [MOC Requirements] Radiation Safety Protection 2	Resident Seminar (Diagnostic) Introduction to Diagnostic Radiology for Avoiding Pitfalls					
Main Hall	1F	EL 13 Gastrointestinal Radiology 2	Joint Symposium 2 Establishing Fundamental Knowledge for the Clinic: An Invitation to Preclinical Research			Luncheon Seminar 11 Clinical Forefront with Next Generation CT Technology		
301	3F	EL 14 Genitourinary Radiology 2	Honorary Invited Lecture 2	Symposium 7 Meet Editor in Chief, Outstanding Reviewer and Researcher for Submitting Biomedical Publications			Luncheon Seminar 12 To the Next Stage of Dual Energy CT	
302		EL 15 Chest Radiology 1	Special Focus Session 3 Lung Imaging		14.Chest 2: Diffuse lung disease		Luncheon Seminar 13 The latest innovative medical care created by mass spectrometric techniques - Outcome of merging various technologies -	
303		EL 16 Neuroradiology 2	Symposium 8 Up-to-date on Pediatric Neurodevelopment.				Luncheon Seminar 14 Let's collect and convert data to information for artificial intelligence	
304		EL 17 Head and Neck Radiology 1	Invited Lecture 3	15.Head and neck 2: Temporal bone/ Miscellaneous	16.Neuroradiology 1: Cervical vessel		Luncheon Seminar 15 How to use Cingulate Island Sign in dementia diagnosis.	
311 + 312		EL 18 Nuclear Medicine 2	17.Nuclear Medicine 1: Tumor/ PET1	18.Nuclear Medicine 2: Tumor/ PET2	19.Nuclear Medicine 3: Tumors/ PET3		Luncheon Seminar 16 Topics of deep learning and its application to medical image recognition	
313 + 314		EL 19 Musculoskeletal Radiology 2	20.Radiation Oncology 1: Head/ Neck	21.Radiation Oncology 2: Chest			Luncheon Seminar 17 New Challenge For Image Diagnostics: Next Generation PACS Utilizing Big Data	
315		EL 20 IVR 2	22.Interventional Radiology 1: Artery/ Vein	23.Interventional Radiology 2: Embolization/ Puncture			Luncheon Seminar 18 Clinical and Research MRI of Brain using Simultaneous Multi-Slice technique.	
414 + 415		4F	Expert Subcommittee Lecture (Radiation Protection)	EL 6 (Radiation Protection)	46th. Radiation Protection Division The Frontier of Radiation Protection and Management		Executive Committee Session 12 English Presentation Support Seminar (Radiotherapy)	
416 + 417			Broadcast (414 + 415)					Luncheon Seminar 19 Clinical values of new era angiography system "Azurion"
418			17.Radiation Therapy (photon/ electron) 8 (Motion management)		18.Radiation Therapy (photon/ electron) 9 (Development- Others)		Lunch Time Lecture 2	
419	Morning EL 2		20.Radiation Measurement 3		Satellite			
501	5F		Expert Subcommittee Lecture (Measurement)	Symposium 2 Integration of Medical Engineering and Radiological Technology: Expected New Technology			Segi Award Winner's Lecture (Best Paper in 2017)	Executive Committee Session 2
502		Executive Committee Session 12 English Presentation Support Seminar (Diagnostic Imaging)	Expert Lecture 1	JSRT-JSMP Joint Lecture ★		EL 7 (Nuclear Medicine)	Executive Committee Session 12 English Presentation Support Seminar (Nuclear Medicine)	
503		Expert Subcommittee Lecture (CT)	EL 5 (Diagnostic Imaging)	70th. Diagnostic Imaging Division Pursuing Better Imaging Techniques in Radiology/ Theme C: MR Reconsideration of Pulse Sequence Aiming at Standardization of MRI Imaging			Executive Committee Session 5	
Harbor Lounge B	Annex Hall	Terminal Viewing Room			Standardization Forum Standardization of Quality Assurance and Radiological Equipment for Medical Imaging Departments-On Trend of Future and JIS (Japanese Industrial Standard) Original Bills Debated in 2017			
F201 + 202		Expert Subcommittee Lecture (Radiotherapy)	Imaging (CT) Ultra High Resolution CT: Resolution Characteristics	Imaging (CT) Ultra High Resolution CT: Z-axis Characteristics	Imaging (CT) Ultra High Resolution CT: Iterative Reconstruction	Imaging Techniques and Research (CT) Dual Energy: Performance Evaluation		Expert Subcommittee Lecture (Radiotherapy)
F203 + 204		Executive Committee Session 12 English Presentation Support Seminar (Medical Informatics)	Radiotherapy (Tomotherapy)		Radiotherapy (Treatment Planning- 3)		Expert Subcommittee Lecture (Medical Informatics)	Education Committee Session 2
F205 + 206		EL 21 Chest Radiology 2	EL 22 Breast Imaging			EL 23 Cardiac Radiology 2		Luncheon Seminar 20 How PACS can improve the GQL of radiologists and radiological technologists. - So lucky to use PDR-PACS in these situations! -
N101			Nuclear Medicine (SPECT, Planar, PET, Radionuclide Therapy)	Imaging (General Radiography) Image Evaluation				
Marine Lobby	National Convention Hall	7:15~	CyPos Viewing			Product Exhibition Core Time	CyPos Viewing	
Poster Presentation Booth 1			Poster 11. Cardiovascular 2: Heart/ Miscellaneous	Poster 12. Cardiovascular 3: Cardiac CT	Poster 13. Cardiovascular 4: Great vessel/ Miscellaneous			
Poster Presentation Booth 2			Poster 19. Abdomen 1: Gastrointestinal	Poster 20. Abdomen 2: Hepatobiliary/ Pancreas 1	Poster 21. Abdomen 3: Hepatobiliary/ Pancreas 2			
Exhibition Hall			International Technical Exhibition of Medical Imaging (ITEM) 2018					

13		14		15		16		17		18		19		20	
Radiotherapy (Irradiation Technique)		Radiotherapy (Particle Therapy-2)		Radiotherapy (Dosimetry-2)		Radiotherapy (IGRT-2)									
Joint Symposium 3 Current Status of Radiomics Research in Radiology						Special Program 1: Part 1 Musical Theatre Session		Special Program 1: Part 2 Special Talk Session Development of Human Resources in Sports		Image Interpretation Session					
Honorary Invited Lecture 3		Special Focus Session 4 Renal Imaging		24.Uroradiology 1: Vessel/ Urinary tract		25.Uroradiology 2: Tumor									
Symposium 9 Evaluation of Coronary Flow Reserve Using CT, MRI and Nuclear Medicine Techniques															
Special Focus Session 5 Advanced MR		26.Abdomen 4: GB/ Biliary tract		27.Abdomen 5: Pancreas/ Spleen											
Special Focus Session 6 Musculoskeletal Imaging		28.Musculoskeletal		Special Program 2 Radiology and Artificial Intelligence											
29.Chest 3: Lung blood flow/ Anatomy		30.Chest 4: Image analysis													
31.Neuroradiology 2: Imaging technique		32.Neuroradiology 3: Cerebrovascular		33.Neuroradiology 4: Tumor											
34.Interventional Radiology 3: Hepatobiliary/ Pancreas		35.Interventional Radiology 4: Oncology		36.Interventional Radiology 5: Neuro											
Radiation Protection (Multi Modality) Caregiver Exposure, Other		Radiation Protection (General Radiography) Breast		Radiation Protection (CT) Pediatric		Radiation Protection (Multi Modality) Dose Survey		Imaging Techniques and Research (Bone Mineral Density, Ultrasound) Other		JIRA Workshop Up-to-date Information about the Execution of the Medical Research Law					
Broadcast (414 + 415)															
19. Brachytherapy		Seminar Introduction of the Revised Standard Dosimetry of Absorbed Dose to Water in Brachytherapy. (Standard Dosimetry in Brachytherapy 18)				Symposium A Separate Calibration of a Radiotherapy Dosimeter									
Satellite										JSMF General Meeting of Members					
Nuclear Medicine (PET) Basic Technique		Preclinical Study-Basic Technology 1		Imaging Techniques and Research (CT) Dual Energy: Monochromatic Image		Imaging Techniques and Research (CT) Dual Energy: Iodine Map Image		Imaging Techniques and Research (CT) Abdomen							
Invited Lecture 1 ★		Invited Lecture 2 ★		76th. Nuclear Medicine Division Approach to Key Points for PET Experiment											
Imaging Techniques and Research (MRI) Urinary		Imaging Techniques and Research (MRI) Head		Symposium 3 Technical Innovation Required by MRI						Regular General Meeting					
Patient Safety Forum Medical Safety Professional Development -Visualizing Safety and Risk at Clinical Situations-		Radiation Safety Management Forum How to Improve the Training Program of Radiation Safety for Workers in a Hospital to Apply to the Revised Regulation in Japan?		Radiation Protection Forum Approach for Dose Optimization in CT Examinations											
Imaging (General Radiography) Noise Reduction, Other		Imaging (General Radiography) Scattered Radiation Correction Processing 1		Imaging (General Radiography) Scattered Radiation Correction Processing 2		Imaging (IVR, Other) Image Evaluation									
JSRT-JCS Joint Session The Mission of Radiological Technology in Cardiovascular Disease -The Latest and Optimum Technology Utilizing Basic Knowledge-				Theme Session Heart											
EL 24 Radiation Oncology 4		EL 25 Radiation Oncology 5		EL 26 Radiation Oncology 6											
Imaging Techniques and Research (MRI) Head and Neck		Imaging Techniques and Research (CT) Others		Imaging Techniques and Research (CT) Others 2											
CyPos Viewing		Product Exhibition Core Time		CyPos Viewing											
Poster 14. Nuclear Medicine 1: FDG-PET		Poster 15. Nuclear Medicine 2: Head/ Neck/ Neuro		Poster 16. Obstetrics/ Gynecology		Poster 17. Breast 1: MRI		Poster 18. Breast 2: Imaging technique/ Miscellaneous							
Poster 22. Neuroradiology 1: Cerebrovascular/ Tumor		Poster 23. Neuroradiology 2: Brain disease		Poster 24. Radiation Oncology 1: Chest											
International Technical Exhibition of Medical Imaging (ITEM) 2018															

■	JRS
■	JSRT
■	JSMF
□	Joint Session

April 15 (Sunday)

Venue		8	9	10	11	12	13	
National Convention Hall		Executive Committee Session 6	EL 9 (Radiotherapy)	76th. Radiotherapy Division Clinical Uses of Deformable Image Registration (DIR) in the Radiotherapy				
Main Hall	1F	EL 27 [MOC Requirements] Quality of Imaging Diagnosis	Symposium 10 Diagnostic imaging of drug-associated complications		EL 38 [MOC Requirements] Medical Ethics	Luncheon Seminar 21 The value of contrast-enhanced CT in the emergency care setting		
301	3F	EL 28 Gastrointestinal Radiology 3	Symposium 11 Diagnostic Imaging and Interventional Radiology in Portal Hypertension			Luncheon Seminar 22 Vision of 3.0T MR Faster scan technology		
302		EL 29 Respiratory Tumors	Symposium 12 Whole-body DWI: Past, Presence, and Future			Luncheon Seminar 23 Medical Payment System 2018		
303		EL 30 Neuroradiology 3	37.Neuroradiology 5: Brain disease	38.Cardiovascular4: Coronary disease		Luncheon Seminar 24 The Current Situation of Brain Amyloid Imaging and Its Future Prospects		
304		EL 31 Nuclear Medicine 3	39.Nuclear Medicine4: Cardiovascular	40.Nuclear Medicine5: Neuro	Special Program 3 JRS-JCR Joint Symposium on Gender Equality and Diversity, Work Style Reforms to Help Everyone Work in One's Own Ways (hosted by the Ministry of Health, Labour and Welfare)		Luncheon Seminar 25 Proper use and safety of iodinated contrast medium	
311 + 312		EL 32 Pediatric Radiology 1	41.Pediatric	42.Imaging modality/ Technique	43 Contrast material/ Basic/ Miscellaneous		Luncheon Seminar 26 Efficient reading on PACS: Latest advances of PACS Viewer and how to communicate with vendor	
313 + 314		EL 33 Head and Neck Radiology 2	44.Chest5: Lung disease	45.Chest6: Imaging technique		Luncheon Seminar 27 New Horizon of 4D Imaging		
315		EL 34 IVR 3	46.Radiation Oncology 3: Abdomen/ Pelvis	47.Radiation Oncology 4: Gastrointestinal/ Urinary		48.Uroradiology3: Adrenal gland/ Retroperitoneum	Luncheon Seminar 28 The future of radiological imaging	
414 + 415			Expert Subcommittee Lecture (Nuclear Medicine)	Nuclear Medicine (SPECT, Planar) Image Quality and Evaluation, Basic Technique, Equipment, Material	Nuclear Medicine (PET) Clinical Technique, Quality Control, Quality Assurance	Nuclear Medicine (PET) Image Quality and Evaluation	Executive Committee Session 1	
416 + 417			Broadcast (414 + 415)					Luncheon Seminar 29 Impact of spectral CT on clinical practice - Makes an impact double with AZE new technique -
418	4F	Morning EL 3	21.Medical Image and Information 2 (Radiomics)	22.Medical Image and Information 3 (Deep learning- Others)	Special Lecture Application of Deep Learning Technique to Radiation Imaging and Therapy		Lunch Time Lecture 3	
419			25.Nuclear Medicine	JSMP-JSMBE Joint Session				
421		JSMP Board of Directors						
501	5F	Expert Subcommittee Lecture (Imaging Sciences)	Imaging Techniques and Research (CT) Radiation Dose Optimisation	JSRT-JSMP Joint Sessions The Know-how Useful for Publication of Your Article in RPT			Award Ceremony for DoI-Prize and Most Citation Award, and Award Lectures	
502		Expert Subcommittee Lecture (Diagnostic Imaging)	EL 8 (Diagnostic Imaging)	70th. Diagnostic Imaging Division Pursuing Better Imaging Techniques in Radiology Theme A: General Radiography Helpful Sonographic Knowledge for General Radiology			Executive Committee Session 9	
503		Expert Subcommittee Lecture (Measurement)	Symposium 1 The Futures of Radiation Protection and Team Approach to Health Care		Measurement (Dosimeter) Radiation Dose Evaluation		Executive Committee Session 7	
Harbor Lounge B	Annex Hall	Terminal Viewing Room						
F201 + 202		Expert Subcommittee Lecture (Medical Informatics)	Imaging Techniques and Research (MRI) Extremity	Imaging Techniques and Research (MRI) Breast, Heart	Imaging Techniques and Research (MRI) Liver, Gallbladder, and Pancreas		Education Committee Session 1	
F203 + 204		Expert Subcommittee Lecture (Radiation Protection)	Imaging Techniques and Research (CT) Dual Energy: Clinical	Imaging Techniques and Research (CT) Ultra High Resolution CT: Cardiac	Imaging Techniques and Research (CT) Dose Reduction			
F205 + 206		EL 35 [MOC Requirements] Quality of Radiotherapy	EL 36 Chest Radiology 3	EL 37 Pediatric Radiology 2		Luncheon Seminar 30 Halcyon™ - Bringing simplicity and efficiency to modern radiotherapy		
Poster Presentation Booth 1		National Convention Hall		Poster 25.Radiation Oncology 2: Skin tumor/ Bone metastasis/ Miscellaneous	Poster 26. Radiation Oncology 3: Abdomen/ Gastrointestinal	Poster 27. Radiation Oncology 4: Head and neck		
Poster Presentation Booth 2			Poster 29. Uroradiology					
Marine Lobby	7:15~		CyPos Viewing					
Exhibition Hall		International Technical Exhibition of Medical Imaging (ITEM) 2018						

13	14	15	16	17	18	19	20
指導者講習会 2							
			Closing and Awards Ceremony				
49.Abdomen6: Liver tumor							
50.Breast2: Disease							
51.Cardiovascular5: Vessel CT/ Miscellaneous							
52.Nuclear Medicine6: Whole body							
53.Radiation Oncology 5: Bone metastasis/ Miscellaneous							
CAD (CT, General Radiography)		Imaging (General Radiography) Image Analysis					
Broadcast (414 + 415)							
23.Radiation Therapy (photon/ electron) 10 (MRI-guided radiotherapy)		24.Radiation Therapy (photon/ electron) 11 (Dosimetry)					
26.Magnetic Resonance		Session for students					
Executive Committee Session 11 Introduction of Graduate Schools for Doctor Degree Part II							
Imaging Techniques and Research (Tomosynthesis); Image		Imaging Techniques and Research (General Radiography) Chest, Other					
Imaging (MRI) Brain: Image Enhancement		Preclinical Study: Basic Technology 2					
Terminal Viewing Room							
Radiotherapy (Treatment Planning-4)		Radiotherapy (CBCT, Others)					
Imaging Techniques and Research (CT) Radiation Dose		Imaging Techniques and Research (CT) Head 3D-CTA					
Special Program 4 JCR Hour 2018 Pros and Cons of the Added-fee for Radiological Managements on Imaging-studies							
Poster 28: Radiation Oncology 5: Neuro							
CyPos Viewing							
International Technical Exhibition of Medical Imaging (ITEM) 2018							

■	JRS
■	JSRT
■	JSMP
□	Joint Session

Joint Sessions for Japan Radiology Congress

Opening Ceremony

- Opening Ceremony: April 13 (Fri.) 13:10-15:00 (Main Hall)

Keynote lecture

- President: Yutaka Imai (Tokai Univ.)
The 77th Annual Meeting of the Japan Radiological Society (JRS)
- Conference President: Shigeo Nishiki (Tenri Hosp.)
The 74th Annual Meeting of the Japanese Society of Radiological Technology (JSRT)
- Congress Chair: Hiroshi Oguchi (Nagoya Univ.)
The 115th Scientific Meeting of the Japan Society of Medical Physics (JSMP)
- Chairman: Kenichi Komatsu
Japan Medical Imaging and Radiological Systems Industries Association (JIRA)

Honorary Member Award Ceremony

- Honorary Member Award Ceremony: April 13 (Fri.) 13:50-14:20 (Main Hall)

Joint Special Lecture

- Joint Special Lecture: April 13 (Fri.) 14:20-15:00 (Main Hall)

- Merging Analytical and Medical Science for the Evolution of Healthcare
- Moderator: Yutaka Imai (Tokai Univ.)
Koichi Tanaka (Shimadzu Corporation)

Joint Symposium

- Joint Symposium 1: April 13 (Fri.) 15:10-17:10 (Main Hall)

「Management for Radiation Dose Reduction in Clinical Practice」

Moderator: Yusuke Inoue (Kitasato Univ.)
Yasuo Okuda (QST/NIRS)

Keynote Lecture ICRP and Priorities for Radiological Protection in Medicine

Claire Cousins (International Commission on Radiological Protection (ICRP), UK)

1. Radiation Dose Management in CT: Things to Do Right Now
Masaaki Akahane (International Univ. of Health and Welfare)
2. Radiation Dose Reduction in Pediatric Radiology: Current Situation in Japan
Osamu Miyazaki (National Center for Child Health and Development)
3. Dose Management Systems in Radiology Elmar Kotter (University of Freiburg/Medical Center, Germany)
4. Optimization of Medical Radiation Exposure for IVR in Japan Takao Ichida (Osaka City University Hosp.)
5. Evaluation of Radiation Dose from Cone Beam CT in Image-guided Radiation Therapy
Takeshi Ohno (Kumamoto Univ.)

- Joint Symposium 2: April 14 (Sat.) 9:10-11:50 (Main Hall)

「Establishing Fundamental Knowledge for the Clinic!: An Invitation to Preclinical Research」

Moderator: Takayuki Obata (QST/NIRS)
Shigeyoshi Saito (Osaka Univ.)

1. Preclinical Magnetic Resonance Imaging Study for Connect Animal and Human
Junichi Hata (RIKEN Brain Science Institute)
2. Preclinical Imaging Study Using Nuclear Medicine Technology Kodai Nishi (Nagasaki Univ.)
3. Predictive Biomarker for the Detection of Ionizing Radiation Toxicity Satoru Monzen (Hiroaki Univ.)
4. Things to Know before Using Imaging Biomarkers in the Clinic
Riwa Kishimoto (National Institute of Radiological Sciences)
5. Hopes and Requests from Clinical Side Masaaki Hori (Juntendo Univ.)

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6. Near Infrared Photoimmunotherapy for Cancer: A Newly Developed Technology Practically Useful for Patients
Hisataka Kobayashi (Molecular Imaging Program/National Cancer Institute/NIH, USA)

· Joint Symposium 3: April 14 (Sat.) 13:00-15:00 (Main Hall)

「Current Status of Radiomics Research in Radiology」 Moderator: Kohsuke Kudo (Hokkaido University Hosp.)
Jun'ichi Kotoku (Teikyo Univ.)

1. Concepts and Implementation of Radiomics in Medical Imaging Research
Samuel G. Armato III (The University of Chicago, USA)
2. Radiomics of Medical Imaging Using Multivariate Analysis and Artificial Intelligence
Kenichi Nakajima (Kanazawa Univ.)
3. Current Status and Perspectives of Radiomics for Personalized Radiation Therapy
Hidetaka Arimura (Kyushu Univ.)
4. Radiomics and Image Analysis
Akihiro Haga (Tokushima Univ.)

Joint Educational Session 

· Diagnostic and Therapeutic Indications of Prostate Cancer: April 13 (Fri.) 9:10-11:40 (302)

Moderator: Atsunori Yorozu (Tokyo Medical Center)
Masahiko Okumura (Kindai University Hosp.)

1. How Do Urologists Treat Prostate Cancer?
Akira Miyajima (Tokai Univ.)
2. Multiparametric MR Imaging of Prostate Cancer
Yasushi Kaji (Dokkyo Medical Univ.)
3. Radiotherapy for Prostate Cancer
Toshio Ohashi (Keio Univ.)
4. Radiopharmaceutical Agents for the Diagnosis and Treatment of Prostate Cancer
Mana Yoshimura (Tokyo Medical Univ.)
5. The Role of Radiotherapy Technologists in High-precision Radiotherapy for Prostate Cancer Patients
Ryu Kawamorita (Tane General Hosp.)
6. High-precision Radiotherapy for Prostate Cancer: The Role of Medical Physicists
Kaoru Ono (High-precision Radiotherapy Center, Hiroshima Heiwa Clinic)

Reception for All Participants (Congress Party)

- Reception for All Participants (Congress Party): April 13 (Fri.) 18:15-19:30
(Yokohama Bay Hotel Tokyu B2F Queen's Grand Ballroom)

Closing and Awards Ceremony

- Closing and Awards Ceremony: April 15 (Sun.) 15:00-16:15 (Main Hall)
Performance: JRC2018 Festival Orchestra

JRS Activities

Honorary Invited Lecture

- Honorary Invited Lecture 1: April 13 (Fri.) 15:10-15:40 (301)

Moderator: Kazunari Ishii (Kindai Univ.)

Michio Senda (Kobe City Medical Center General Hosp.)

Molecular Brain Imaging in Dementia: Current Status and Future Direction

Satoshi Minoshima (University of Utah, USA)

- Honorary Invited Lecture 2: April 14 (Sat.) 9:10-9:40 (301)

Moderator: Nagara Tamaki (Kyoto Prefectural Univ. of Medicine)

Kenji Nemoto (Yamagata Univ.)

Getting to the Truth: Challenges for Editor's, Authors, Reviewers, and Readers of Biomedical Publications

Herbert Y. Kressel (Harvard Medical School, Beth Israel Deaconess Medical Center, USA)

- Honorary Invited Lecture 3: April 14 (Sat.) 13:00-13:30 (301)

Moderator: Takehiko Gokan (Showa Univ.)

Takashi Koyama (Kurashiki Central Hosp.)

Imaging of Problematic Renal Masses: An Update

Seung Hyup Kim (Seoul National University Hospital, Korea)

International Communication

- Introduction of RSNA: April 13 (Fri.) 9:10-9:30 (303)

Moderator: Shigeru Ehara (Iwate Medical Univ.)

Shigeki Aoki (Juntendo Univ.)

Mary C. Mahoney (University of Cincinnati, USA)

- Introduction of ESR: April 13 (Fri.) 9:30-9:50 (303)

Moderator: Shigeru Ehara (Iwate Medical Univ.)

Shigeki Aoki (Juntendo Univ.)

Bernd Hamm (The Charité, Humboldt University of Berlin and Freie University, Germany)

- AOSOR-JRS Conjoint Session: April 12 (Thu.) 15:00-17:00 (313 + 314)

「Recent Topics of Diffusion Weighted Imaging in Neuroimaging」

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

Yoshiyuki Watanabe (Osaka Univ.)

Toshiaki Taoka (Nagoya Univ.)

1. Development of Diffusion Images

2. Clinical Utility of DWI in the Pediatric Brain: Review and Update

Pek-Lan Khong (The University of Hong Kong, China)

3. New Potential of Diffusion MRI

Koji Kamagata (Juntendo Univ.)

4. Clinical Usages of Diffusion Weighted and Tensor Imaging: Challenges and Difficulties

Norlisah Binti Mohd Ramli (University of Malaya, Malaysia)

5. Diffusion Weighted Imaging in Central Nervous System

Nalini Kant Mishra (All India Institute of Medical Sciences, India)

- The 3rd Asia Radiology Summit: April 13 (Fri.) 10:00-12:00 (2nd Basement Floor Ambassador's Ballroom)

Moderator: Noriyuki Tomiyama (Osaka Univ.)

Kei Yamada (Kyoto Prefectural Univ. of Medicine)

Invited Lecture

- Invited Lecture 1: April 13 (Fri.) 9:10-9:40 (311 + 312)
 Moderator: Sachio Kuribayashi (HIMEDIC Imaging Center at Lake Yamanaka)
 Whal Lee (Seoul National University Hospital, Korea)
 Aortic Emergencies
 Tuncay Hazirolan (Hacettepe University, Turkey)
- Invited Lecture 2: April 13 (Fri.) 9:10-9:40 (315)
 Moderator: Ryohei Kuwatsuru (Juntendo University Hosp.)
 Seishi Nakatsuka (Keio Univ.)
 Dual-Energy-CT with a Focus on Abdominal Imaging: New Perspectives and Clinical Applications
 Kristina Imeen Ringe (Hannover Medical School)
- Invited Lecture 3: April 14 (Sat.) 9:10-9:40 (304)
 Moderator: Takashi Kaneda (Nihon Univ. School of Dentistry at Matsudo)
 Toshinori Hirai (Univ. of Miyazaki)
 Medication Related Osteonecrosis of the Jaws: Imaging Findings and Classification
 Antonio Lo Casto (University of Palermo, Italy)

Special Focus Session

- Special Focus Session 1: April 13 (Fri.) 9:10-10:10 (304)
 「Female Imaging」
 Moderator: Kazuro Sugimura (Kobe Univ.)
 Hiroko Kawashima (Kanazawa Univ.)
 1. MRI of Endometriosis: State of the Art in 2018
 Catherine Roy (University of Strasbourg, France)
 2. The Clinical Implementation of Abbreviated Breast MRI to Screen Women with Dense Breasts
 Mitchell D. Schnall (University of Pennsylvania, USA)
- Special Focus Session 2: April 13 (Fri.) 15:10-16:10 (304)
 「Hepatic Imaging」
 Moderator: Yoshiki Asayama (Kyushu Univ.)
 Joo Hyeong Oh (Kyung-Hee University Medical Center, Korea)
 1. Radiologic Evaluation of Portal Flow Steal in Liver Transplantation Recipient
 Bohyun Kim (Ajou University Hospital, Korea)
 2. Liver MRI: Now and the Future
 Utaroh Motosugi (Univ. of Yamanashi)
- Special Focus Session 3: April 14 (Sat.) 9:10-10:10 (302)
 「Lung Imaging」
 Moderator: Noriyuki Tomiyama (Osaka Univ.)
 Sadayuki Murayama (Univ. of the Ryukyus)
 1. Pulmonary Fungal Infection
 Semin Chong (Samsung Medical Center, Korea)
 2. Small Airways Disease
 Gerald F. Abbott (Harvard Medical School, Massachusetts General Hospital, USA)
- Special Focus Session 4: April 14 (Sat.) 13:00-14:00 (301)
 「Renal Imaging」
 Moderator: Takehiko Gokan (Showa Univ.)
 Takashi Koyama (Kurashiki Central Hosp.)
 1. Imaging of Problematic Renal Masses: An Update
 Seung Hyup Kim (Seoul National University Hospital, Korea)
 2. New Developments in the Imaging of Renal Tumors
 Masahiro Jinzaki (Keio Univ.)

· Special Focus Session 5: April 14 (Sat.) 13:00-14:00 (303)

「Advanced MR」

Moderator: Hirokazu Fujiwara (Keio Univ.)

Nobuya Higuchi (Tokyo Medical Center)

1. Advanced MR Imaging

Robert E. Lenkinski (UT Southwestern Medical Center, USA)

2. Clinical Evaluation of Metabolic Biomarkers Observed by MRS

Masafumi Harada (Tokushima Univ.)

· Special Focus Session 6: April 14 (Sat.) 13:00-14:00 (304)

「Musculoskeletal Imaging」

Moderator: Takatoshi Aoki (University of Occupational and Environmental Health)

Masataka Uetani (Nagasaki Univ.)

1. Shoulder MR: Update and Current Controversies

Michael J. Tuite (University of Wisconsin, USA)

2. Common and Uncommon Conditions of the Knee MRI

Mamoru Niitsu (Saitama Medical Univ.)

Symposium

· Symposium 1: April 13 (Fri.) 9:10-11:50 (Main Hall)

「Diagnostic Imaging in the Hepatobiliary and Pancreatic Regions: Focusing on the Differentiation between Benign and Malignant Lesions」

Moderator: Takamichi Murakami (Kobe Univ.)

Toshifumi Gabata (Kanazawa Univ.)

Keynote Lecture

Non Invasive Diagnosis and Management of Benign Hepatocellular Tumors in Europe: Where Do We Stand in 2018?

Olivier Lucidarme (Pierre et Marie Curie & Sorbonne University, France)

1. Differentiation between Benign and Malignant Lesion on the Multistep Hepatocarcinogenesis Process

Satoshi Kobayashi (Kanazawa Univ.)

2. MR Imaging Diagnosis of Hepatocellular Adenoma: Imaging Features, Differential Diagnosis, and Recent Topics

Hiroki Haradome (Kitasato Univ.)

3. Diagnostic Imaging of the Biliary System: Differentiation between Benign and Malignant Lesions

Kengo Yoshimitsu (Fukuoka Univ.)

4. Tips and Pitfall for Differentiation between Benign and Malignant Solid Lesions of the Pancreas

Yasunari Fujinaga (Shinshu Univ.)

5. Differentiation between Benign and Malignancy in Pancreatic Cystic Lesions

Shunro Matsumoto (Oita Univ.)

· Symposium 2: April 13 (Fri.) 9:10-11:50 (301)

「New Frontiers of Fusion Imaging」

Moderator: Hirofumi Fujii (National Cancer Center Exploratory Oncology Research & Clinical Trial Center)

Noboru Oriuchi (Fukushima Medical Univ.)

Keynote Lecture

Fusion Imaging in Nuclear Medicine

Orazio Schillaci (University of Rome Tor Vergata, Italy)

1. New Era of Fusion Imaging by Simultaneous Acquisition with PET/MR Scanner

Munenobu Nogami (Kobe University Hosp.)

2. Cardiac Fusion Imaging: Two Sides of the Coin Reflecting Coronary Artery Disease

Tomonari Kiriyama (Nippon Medical School)

3. Oncology

Hiroaki Kurihara (National Cancer Center Hosp.)

4. New Frontiers of Fusion Images in Neuroimaging

Hidehiko Okazawa (Biomedical Imaging Research Center, Univ. of Fukui)

· Symposium 3: April 13 (Fri.) 10:00-11:30 (303)

「Standardization of Quantitative Imaging: Recent Topics of Quantitative Imaging Biomarker Alliance (QIBA)」

Moderator: Shigeki Aoki (Juntendo Univ.)

Ukhide Tateishi (Tokyo Medical and Dental Univ.)

1. Objectives and Current Status of RSNA/QIBA
Alexander R. Guimaraes (Oregon Health & Science University, USA)
 2. Recent Advances of J-QIBA Activities in CT and MRI, with Emphasis on Synthetic MRI
Akifumi Hagiwara (Univ. of Tokyo)
 3. Recent Activities and Future Aspects of Standardization and SUV Harmonization for a Quantitative FDG-PET Imaging
Go Akamatsu (National Institute of Radiological Sciences (QST-NIRS))
- Symposium 4: April 13 (Fri.) 15:10-17:40 (301)
〔PET Imaging in Dementia〕
Moderator: Kazunari Ishii (Kindai Univ.)
Michio Senda (Kobe City Medical Center General Hosp.)
- Keynote Lecture Molecular Brain Imaging in Dementia: Current Status and Future Direction
Satoshi Minoshima (University of Utah, USA)
1. Role of Neuroimaging in the Diagnostic Strategy for Senile Tauopathy and Alzheimer Disease
Aya Midori Tokumaru (Tokyo Metropolitan Medical Center of Gerontology)
 2. FDG PET in Diagnosis of Dementia Takashi Kato (National Center for Geriatrics and Gerontology)
 3. The Role of Amyloid PET Imaging in Dementia
Toshimitsu Momose (International Univ. of Health and Welfare School of Medicine)
 4. Tau PET Etsuko Imabayashi (Medical Headquarters, Eisai Co., Ltd.)
- Symposium 5: April 13 (Fri.) 15:10-17:40 (302)
〔Characteristics and Roles of Diagnostic Modalities in Breast Cancer〕
Moderator: Yasuo Nakajima (St. Marianna Univ. School of Medicine)
Ukihide Tateishi (Tokyo Medical and Dental Univ.)
- Keynote Lecture Breast Density: Risk Assessment and Screening
Mary C. Mahoney (University of Cincinnati, USA)
1. Breast Density Issues and Impacts on Mammography Screening
Takayoshi Uematsu (Shizuoka Cancer Center Hosp.)
 2. Effective Utilization of Digital Breast Tomosynthesis in Breast Cancer Screening
Mari Kikuchi (National Cancer Center Hosp.)
 3. Characteristics and Role of Adjunctive Ultrasonography in Breast Cancer Screening with Mammography
Eriko Tohno (Tsukuba International Breast Clinic)
 4. MRI Screening for Breast Cancer in Women at High Risk
Yoshihide Kanemaki (St. Marianna Univ. School of Medicine)
 5. Clinical Utility of a Dedicated Breast PET Scanner for Breast Cancer Screening
Yuji Nakamoto (Kyoto Univ. Hosp.)
- Symposium 6: April 13 (Fri.) 15:10-17:10 (303)
〔The Education of Radiation Oncologists in the New Medical Specialist Training Program〕
Moderator: Naoyuki Shigematsu (Keio Univ.)
Nobue Uchida (Tottori Univ.)
- Keynote Lecture Ground Design of New Medical Specialist Training Program in Radiology
Masumi Kadoya (Shinshu Univ.)
1. JASTRO's Role in Radiation Oncology Training Masatoshi Hasegawa (Nara Medical Univ.)
 2. Education of Radiation Oncologists in the Urban Core Hospital Restricting the Capacity Limits
Katsuyuki Karasawa (Tokyo Metropolitan Cancer and Infectious diseases Cancer Komagome Hosp.)
 3. Education of Radiation Oncology Residents in the Single Radiology Department That Chaired by a Diagnostic Radiologist
Shinji Naganawa (Nagoya Univ.)

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4. Geographical and Gender-equal Perspective in the Education of Radiation Oncologists
Keiko Shibuya (Yamaguchi Univ.)
5. Demand and Supply of Radiation Oncologists in Future
Yasushi Nagata (Hiroshima Univ., Graduate School of Biomedical and Health Sciences)
- Symposium 7: April 14 (Sat.) 9:10-11:10 (301)
[Meet Editor in Chief, Outstanding Reviewer and Researcher for Submitting Biomedical Publications]
Moderator: Nagara Tamaki (Kyoto Prefectural Univ. of Medicine)
Kenji Nemoto (Yamagata Univ.)
- Keynote Lecture Getting to the Truth: Challenges for Editor's, Authors, Reviewers, and Readers of Biomedical Publications
Herbert Y. Kressel (Harvard Medical School, Beth Israel Deaconess Medical Center, USA)
1. Role of JRS Members in Further Development of Japanese Journal of Radiology
Yukunori Korogi (Univ. of Occupational and Environmental Health)
2. Get Published a Memorable Scientific Article: Suggestions from a Reviewer
Hiromu Mori (Oita Univ.)
3. Encouraging Yourself to Write Scientific Papers
Shinji Naganawa (Nagoya Univ.)
- Symposium 8: April 14 (Sat.) 9:10-11:00 (303)
[Up-to-date on Pediatric Neurodevelopment.]
Moderator: Hiroshi Oba (Teikyo Univ.)
Hitoshi Terada (Toho Univ. Sakura Medical Center)
Yutaka Sato (University of Iowa, USA)
- Keynote Lecture Brain Injury in Premature Infants
1. Cranial MRI and Outcome of Infants Admitted to a Neonatal Intensive Care Unit
Floriss Groenendaal (Wilhelmina Children's Hospital/University Medical Center Utrecht, Netherlands)
2. Neural Circuit Development and Its Impairment Revealed by Synapse Imaging in Vitro and in Vivo
Shigeo Okabe (The Univ. of Tokyo)
3. 1H-MR Spectroscopy for Assessment of Pediatric Neurodevelopment and CNS Disorders
Noriko Aida (Kanagawa Children's Medical Center)
4. Brain Development Using Large Brain MRI Database
Yasuyuki Taki (Tohoku Univ.)
- Symposium 9: April 14 (Sat.) 13:00-15:40 (302)
[Evaluation of Coronary Flow Reserve Using CT, MRI and Nuclear Medicine Techniques]
Moderator: Hajime Sakuma (Mie Univ.)
Teruhito Mochizuki (Ehime Univ.)
- Keynote Lecture Cardiac Imaging 2018 - Old Questions and New Horizons
Joachim Lotz (University Medical Center Gottingen, Georg-August-University, Germany)
1. From Basic Aspects to Clinical Values of Myocardial Blood Flow and Myocardial Flow Reserve Measurements
Keiichiro Yoshinaga (Diagnostic and Therapeutic Nuclear Medicine, National Institute of Radiological Sciences)
2. Quantitative Assessment of Contrast-enhanced Myocardial MR Perfusion and CT Perfusion Imaging: Characteristics and Key Points for the Adequate Quantification
Yasutaka Ichikawa (Mie Univ. Hosp.)
3. The Recent Development of Stress Myocardial Perfusion Imaging Using Compressed Sensing Technique
Tomoyuki Kido (Ehime Univ.)
4. Insights into Myocardial Ischemia with Dynamic CT Perfusion
Noriko Oyama-Manabe (Hokkaido University Hosp.)
5. Quantitative Assessment of Myocardial Blood Flow with Semi-conductor Gamma Camera
Naoya Matsumoto (Nihon Univ.)

· Symposium 10: April 15 (Sun.) 9:10-10:40 (Main Hall)

「Diagnostic imaging of drug-associated complications」

Moderator: Fumikazu Sakai (International Medical Center, Saitama Medical Univ.)

Mitsuru Matsuki (Kindai Univ.)

1. Drug-Induced Imaging Features in the Central Nervous System
Satoshi Matsushima (Jikei Univ. School of Medicine)
2. Imaging Findings of Lung Injury Caused by Agents except Immune Checkpoint Inhibitors
Masahiko Kusumoto (National Cancer Center Hosp. East)
3. Imaging Findings of Lung Injury Caused by Immune Checkpoint Inhibitor Nivolumab
Hiroaki Sugiura (Keio Univ.)
4. Topics of Diagnostic Imaging Findings about the Complication of the New Drugs in the Abdominal Area
Noriatsu Ichiba (Otsu City Hosp.)
5. Effect of Agents Administered Prior to Nuclear Medicine Examinations
Mayuki Uchiyama (Jikei Univ. School of Medicine)

· Symposium 11: April 15 (Sun.) 9:10-11:10 (301)

「Diagnostic Imaging and Interventional Radiology in Portal Hypertension」

Moderator: Susumu Kanazawa (Okayama Univ.)

Kimihiko Kichikawa (Nara Medical Univ.)

1. Diagnostic Imaging for Interventional Management of Portal Hypertension
Kaoru Kobayashi (Hyogo College of Medicine)
2. Balloon-occluded Retrograde Transvenous Obliteration
Jun Koizumi (Tokai Univ.)
3. Current Status of Transjugular Intrahepatic Portosystemic Shunts for Portal Hypertension-related Complications
Akira Yamamoto (Osaka City Univ.)
4. The Other Treatment Options for or Portal Hypertension, PTO/PTS, PSE and PV Stent
Toshihiro Tanaka (Nara Medical Univ.)

· Symposium 12: April 15 (Sun.) 9:10-11:10 (302)

「Whole-body DWI: Past, Presence, and Future」

Moderator: Kazuro Sugimura (Kobe Univ.)

Yasuo Takehara (Nagoya Univ.)

1. DWIBS Revisited: 10 Key Points
Taro Takahara (Tokai Univ. School of Engineering)
2. Whole-body DW-MRI for Castration-resistant Prostate Cancer: Prediction of Clinical Course and Identification of Oligo-progressive Lesions as Targets for Loco-regional Therapy
Soichiro Yoshida (Tokyo Medical and Dental Univ.)
3. Experience Using Diffusion-weighted Whole-body Imaging with Background Body Signal Suppression (DWIBS) for the Diagnosis of Distant Metastasis in Breast Cancer
Yoshihide Kanemaki (St. Marianna Univ. School of Medicine)
4. Successful Launch of DWIBS in Public Hospitals
Kenichi Miyazaki (Yaizu City Hosp.)
5. Clinical Utilities of Body Diffusion-weighted Images
Kazuhiro Katahira (Kumamoto Chuo Hosp.)
6. Remarks
Fumihiko Wakao (National Cancer Center)

Image Interpretation Session

· Image Interpretation Session: April 14 (Sat.) 17:00-19:00 (Main Hall)

Moderator: Harushi Mori (Univ. of Tokyo)

Mitsuru Matsuki (Kindai Univ.)

Question Master: Toshihiro Furuta (Univ. of Tokyo)

Osamu Honda (Osaka Univ.)

Yumiko Tanaka (The Cancer Institute Hosp. of JFCR)

Discusser: Nobuhiro Fujita (Kyushu Univ.)
Jiro Munechika (Showa Univ.)
Chisa Banba (Kyoto Prefectural Univ. of Medicine)
Yasuhiro Minami (Keio Univ.)
Shigeaki Umeoka (Japanese Red Cross Wakayama Medical Center)
Yasuo Kosaka (Kanazawa Univ.)
Yoshiko Ueno (Kobe Univ.)

Special Program

- Special Program 1: Part 1 Musical Theatre Session: April 14 (Sat.) 15:45-16:10 (Main Hall)
"Marching Stage" by Tokai University Wind Orchestra
- Special Program 1: Part 2 Special Talk Session: April 14 (Sat.) 16:10-16:50 (Main Hall)
「Development of Human Resources in Sports」
Moderator: Yutaka Imai (Tokai Univ.)
Tatsunori Hara (Former Yomiuri Giants Manager)
Kousei Inoue (National Coach of All-Japan Judo Federation)
- Special Program 2: April 14 (Sat.) 15:30-17:00 (304)
「Radiology and Artificial Intelligence」
Moderator: Shigeaki Aoki (Juntendo Univ.)
Norio Nakata (Jikei Univ. School of Medicine)
Norio Nakata (Jikei Univ. School of Medicine)
Masahiro Jinzaki (Keio Univ.)
1. American Efforts on Artificial Intelligence
2. Japanese Efforts on Artificial Intelligence
3. Radiology and Artificial Intelligence: State-of-the-Art Technology from Each Vendor
Co-hosted by: Society of Artificial Intelligence in Medical Imaging
- Special Program 3: April 15 (Sun.) 10:50-11:50 (304)
「JRS-JCR Joint Symposium on Gender Equality and Diversity. Work Style Reforms to Help Everyone Work in One's Own Ways (co-hosted by the Ministry of Health, Labour and Welfare)」
Moderator: Aki Kido (Kyoto University Hosp.)
Kanakano Kumamaru (Juntendo Univ.)
Reiko Tomura (MSD K. K.)
1. Diversity & Inclusion, and Work Force Innovation
Panelists: Manabu Minami (Univ. of Tsukuba)
Keiko Kuriyama (Osaka National Hosp.)
Aki Kido (Kyoto Univ.)
Akihiro Sato (Sendai Medical Center)
Takuya Okada (Kobe Univ.)
Reiko Tomura (MSD K. K.)
Bunji Ishimaru (The Ministry of Health, Labour and Welfare)
- Special Program 4 JCR Hour 2018: April 15 (Sun.) 13:00-14:30 (F205 + 206)
「Pros and Cons of the Added-fee for Radiological Managements on Imaging-studies」
Moderator: Kei Yamada (Kyoto Prefectural Univ. of Medicine)
Masahiro Ida (Ebara Hosp.)
1. How Do We Manage 'Added-fee for Radiological Managements on Imaging-studies (ARMI)'
Takahiro Inoue (Chiba University Hosp.)
2. Radiologists Who Do Not Take ARMI
Kohsuke Kudo (Hokkaido University Hosp.)
3. Benefits of Stopping Obtaining Added-fee for Radiological Managements on Imaging-studies (ARMI)
Toshinori Hirai (Univ. of Miyazaki)

4. From the View Point of Defending Added-fee for Radiological Managements on Imaging-studies
Kei Takase (Tohoku Univ.)

Resident Seminar

- Resident Seminar (Diagnostic): April 14 (Sat.) 9:10-11:40 (National Convention Hall)
 - 「Introduction to Diagnostic Radiology for Avoiding Pitfalls」 Moderator: Kenji Ogawa (Nippon Koukan Hosp.)
Shigeo Okuda (Keio Univ.)
 - 1. How to Avoid the Pitfalls in Diagnostic Neuroradiology Takeki Shiina (Yokohama Medical Center)
 - 2. Introduction to Diagnostic Radiology: Avoiding Pitfalls in Chest Imaging
Yasuyuki Kurihara (St. Luke's International Hosp.)
 - 3. Image Findings of Spectrum of the Terminal Ileum Diseases Tamaki Ichikawa (Tokai Univ.)
 - 4. Common Pitfalls in Renal and Upper Urinary Tract Imaging and How to Avoid Them
Hirotaka Akita (Keio Univ.)
 - 5. Imaging of Female Pelvic Disease Hiroshi Shinmoto (National Defense Medical College)
- Resident Seminar (Radiation Oncology): April 13 (Fri.) 15:10-17:10 (National Convention Hall)
 - 「Essentials of Recent Advances in Radiation Oncology」 Moderator: Takeshi Akiba (Tokai Univ.)
Masaru Wakatsuki (Jichi Medical Univ.)
 - 1. Brain Tumor Ken Harada (Tokai Univ.)
 - 2. Recent Advances in Radiotherapy for Lung and Liver Malignancies: VMAT and SBRT Can Improve Radical Curability and Indication for Radiation
Atsuya Takeda (Ofuna Chuo Hosp.)
 - 3. A Review of Palliative Radiotherapy of Bone Metastases for Young Radiation Oncologists
Hiroshi Tanaka (Aichi Cancer Center Hosp.)
 - 4. Particle Therapies with Protons and Carbon Ions Tatsuya Ohno (Gunma Univ. Heavy Ion Medical Center)

Case-Based Educational Lecture

- Case-Based Educational Lecture 1: April 12 (Thu.) 16:40-17:40 (302)
 - Moderator: Yoshifumi Narumi (Osaka Medical College)
 - Meet the Expert: Learn the Tips of Diagnostic Imaging in the Female Pelvis through Case Presentation
Yumiko Oishi Tanaka (The Cancer Institute Hosp. of JFCR)
- Case-Based Educational Lecture 2: April 12 (Thu.) 16:40-17:40 (303)
 - Moderator: Manabu Minami (Univ. of Tsukuba)
 - Meet the Expert: Learn the Tips of Diagnostic Imaging in the Head and Neck Regions through Case Presentation
Ryutaro Ukisu (Kitasato Univ.)
- Case-Based Educational Lecture 3: April 12 (Thu.) 16:40-17:40 (304)
 - Moderator: Shuji Sakai (Tokyo Women's Medical Univ.)
 - Meet the Expert: Learn the Tips of Diagnostic Imaging in the Chest Region through Case Presentation
Masashi Takahashi (Yujin-Yamazaki Hosp.)

Educational Lecture

- Educational Lecture 1: April 13 (Fri.) 8:00-9:00 (National Convention Hall)
 - 「[MOC Requirements] Radiation Safety Protection 1」 Moderator: Kazuko Ohno (Kyoto College of Medical Science)
 - 1. Dose Management in CT: The Role of Radiologists
Masaaki Akahane (International Univ. of Health and Welfare)
 - 2. Epidemiology of Radiation Effects
Kotaro Ozasa (Radiation Effects Research Foundation)

- Educational Lecture 2: April 13 (Fri.) 8:00-9:00 (Main Hall)
 - 「Gastrointestinal Radiology 1」 Moderator: Hiroyuki Irie (Saga Univ.)
 - 1. Normal Anatomy and Developmental Contour Anomalies of the Pancreas Shunro Matsumoto (Oita Univ.)
 - 2. Imaging of the Pancreas with CT and MRI Shintaro Ichikawa (Univ. of Yamanashi)

- Educational Lecture 3: April 13 (Fri.) 8:00-9:00 (301)
 - 「Nuclear Medicine 1」 Moderator: Jun Hatazawa (Osaka Univ.)
 - 1. Impact of FDG-PET/CT in the Management of Hematologic Malignancy Shingo Baba (Kyushu Univ.)
 - 2. FDG PET/CT for Colorectal Cancer Yuka Yamamoto (Kagawa Univ.)

- Educational Lecture 4: April 13 (Fri.) 8:00-9:00 (302)
 - 「Radiation Oncology 1」 Moderator: Yoshikazu Kagami (Showa Univ.)
 - Radiation Therapy for Urological Diseases Hideomi Yamashita (University of Tokyo Hosp.)

- Educational Lecture 5: April 13 (Fri.) 8:00-9:00 (303)
 - 「Neuroradiology 1」 Moderator: Noriko Sato (National Center Hosp.)
 - 1. Imaging of Spinal Dysraphism: What Is inside Baby's Buttocks Kumiko Ando (Hyogo College of Medicine)
 - 2. Brain Anomalies: MR Evaluation and Differential Diagnosis Hidetsuna Utsunomiya (Takatsuki General Hosp.)

- Educational Lecture 6: April 13 (Fri.) 8:00-9:00 (304)
 - 「Genitourinary Radiology 1」 Moderator: Takayuki Yamada (St. Marianna University School of Medicine, Yokohama City Seibu Hosp.)
 - 1. Adrenal Incidentaloma Atsushi Nakamoto (Osaka Univ.)
 - 2. Differential Diagnosis of Adrenal Lesions Yuichi Kumagae (Kagoshima Univ.)

- Educational Lecture 7: April 13 (Fri.) 8:00-9:00 (311 + 312)
 - 「Cardiac Radiology 1」 Moderator: Kei Takase (Tohoku Univ.)
 - 1. Functional Evaluation by Cardiac CT Hidenobu Takagi (Iwate Medical Univ.)
 - 2. 4D Flow MRI Yasuo Takehara (Nagoya Univ.)

- Educational Lecture 8: April 13 (Fri.) 8:00-9:00 (313 + 314)
 - 「Musculoskeletal Radiology 1」 Moderator: Hideharu Sugimoto (Jichi Medical Univ.)
 - 1. Imaging of the Hip <Together with Recent Knowledge Implicating FAI> Asako Yamamoto (Teikyo Univ.)
 - 2. MR Imaging of the Elbow Masahiko Fujii (Kobe Minimally Invasive Cancer Center)

- Educational Lecture 9: April 13 (Fri.) 8:00-9:00 (315)
 - 「IVR 1」 Moderator: Kimihiko Kichikawa (Nara Medical Univ.)
 - 1. The Role of Radiologist in Stent-graft Procedure -EVAR- Masato Yamaguchi (Kobe University Hosp.)
 - 2. TEVAR: How the Radiologists Get Involved and What Is Wanted to Radiologist Norio Hongo (Oita Univ.)

- Educational Lecture 10: April 13 (Fri.) 8:00-9:00 (F205 + 206)
 - 「Radiation Oncology 2」 Moderator: Hiroshi Onishi (Univ. of Yamanashi)
 - Current Status of Radiotherapy for Lung Cancer Tomoki Kimura (Hiroshima University Hosp.)

- Educational Lecture 11: April 13 (Fri.) 9:10-10:10 (F205 + 206)
 - 「Radiation Oncology 3」 Moderator: Kazuhiko Ogawa (Osaka Univ.)

Individualization and Advanced Technologies of Radiation Therapy for Breast Cancer

Chikako Yamauchi (Shiga General Hosp.)

- Educational Lecture 12: April 14 (Sat.) 8:00-9:00 (National Convention Hall)
 - 「[MOC Requirements] Radiation Safety Protection 2」 Moderator: Yoshito Tsushima (Gunma University Hosp.)
 - 1. Safety Issues in Usage of Contrast Media in Central Department of University Hospital
Yoshifumi Narumi (Osaka Medical College)
 - 2. Health Effects of Radiation
Ohtsura Niwa (Radiation Effects Research Foundation)

- Educational Lecture 13: April 14 (Sat.) 8:00-9:00 (Main Hall)
 - 「Gastrointestinal Radiology 2」
 - Moderator: Tomoaki Ichikawa (International Medical Center, Saitama Medical Univ.)
 - 1. Imaging Diagnosis of Acute Pancreatitis
Satoshi Goshima (Gifu University Hosp.)
 - 2. Imaging Diagnosis of Chronic Pancreatitis
Yoshifumi Noda (Gifu Univ.)

- Educational Lecture 14: April 14 (Sat.) 8:00-9:00 (301)
 - 「Genitourinary Radiology 2」 Moderator: Kaori Togashi (Kyoto Univ.)
 - 1. Pregnancy-related Complications: The Appropriate Choice of Imaging Modality and Radiological Manifestations
Takahiro Tsuboyama (Osaka National Hosp.)
 - 2. Clinical and Imaging Features of Gestational Trophoblastic Disease
Yoshiko Ueno (Kobe Univ.)

- Educational Lecture 15: April 14 (Sat.) 8:00-9:00 (302)
 - 「Chest Radiology 1」 Moderator: Tae Iwasawa (Kanagawa Cardiovascular and Respiratory Center)
 - 1. Chest Radiographic Interpretation of the Mediastinum
Kazuto Ashizawa (Nagasaki Univ.)
 - 2. Mediastinal Compartments
Masaki Hara (Nagoya City West Medical Center)

- Educational Lecture 16: April 14 (Sat.) 8:00-9:00 (303)
 - 「Neuroradiology 2」 Moderator: Hitoshi Miki (Ehime Prefectural Central Hosp.)
 - 1. MR Imaging for Term Hypoxic-ischemic Encephalopathy
Katsumi Hayakawa (Red Cross Kyoto Daiichi Hosp.)
 - 2. Transition of MR Image after Birth
Toshiaki Taoka (Nagoya Univ.)

- Educational Lecture 17: April 14 (Sat.) 8:00-9:00 (304)
 - 「Head and Neck Radiology 1」 Moderator: Takao Kodama (Miyazaki Prefectural Miyazaki Hosp.)
 - 1. Diagnostic Imaging of Benign and Malignant Neoplasm in Salivary Glands
Etsushi Iida (Yamaguchi Univ.)
 - 2. Non-neoplastic Disorder of Salivary Gland
Minako Azuma (Univ. of Miyazaki)

- Educational Lecture 18: April 14 (Sat.) 8:00-9:00 (311 + 312)
 - 「Nuclear Medicine 2」 Moderator: Hiroshi Toyama (Fujita Health Univ.)
 - 1. Dementia - Brain Perfusion SPECT -
Tohru Shiga (Hokkaido Univ.)
 - 2. Imaging Biomarker for Dementia
Etsuko Imabayashi (Medical HQs, Eisai Co., Ltd.)

- Educational Lecture 19: April 14 (Sat.) 8:00-9:00 (313 + 314)
 - 「Musculoskeletal Radiology 2」 Moderator: Tsutomu Inaoka (Toho University Sakura Hosp.)
 - 1. Muscle MR: Non-traumatic and Traumatic Lesions
Yoshiko Hayashida (Univ. of Occupational and Environmental Health)
 - 2. MR Imaging of Entrapment Neuropathy
Masataka Uetani (Nagasaki Univ.)

- Educational Lecture 20: April 14 (Sat.) 8:00-9:00 (315)
 「IVR 2」 Moderator: Yoshiaki Narimatsu (Kawasaki Municipal Hosp.)
 1. The ISSVA Classification and Diagnosis of Vascular Malformations Keigo Osuga (Osaka Univ.)
 2. Interventional Radiology for Vascular Malformations Hidefumi Mimura (St. Marianna Univ. School of Medicine)

- Educational Lecture 21: April 14 (Sat.) 8:00-9:00 (F205 + 206)
 「Chest Radiology 2」 Moderator: Noriyuki Tomiyama (Osaka Univ.)
 1. Diagnostic Imaging of Anterior Mediastinal Mass Osamu Honda (Osaka Univ.)
 2. Imaging Characteristics of Nodular/Mass Lesions in Middle and Posterior Mediastinum
 Kiminori Fujimoto (Kurume Univ.)

- Educational Lecture 22: April 14 (Sat.) 9:10-10:40 (F205 + 206)
 「Breast Imaging」 Moderator: Hidetake Yabuuchi (Kyushu Univ.)
 1. Histopathology of Mastopathy / Fibrocystic Change and Non-Invasive Carcinoma of the Breast
 Takashi Tashiro (Shinko Hosp.)
 2. A Risk for Breast Cancer - Sclerosing Adenosis Hiroko Tsunoda (St. Luke's International Hosp.)
 3. Imaging of the Non-invasive Ductal and Microinvasive Breast Cancers
 Mariko Goto (Kyoto Prefectural Univ. of Medicine)

- Educational Lecture 23: April 14 (Sat.) 10:50-11:50 (F205 + 206)
 「Cardiac Radiology 2」 Moderator: Hiromitsu Hayashi (Nippon Medical School)
 1. The Scan Principle for Aortic Aneurysm Munemasa Okada (Yamaguchi University Hosp.)
 2. Imaging of Aortic Aneurysm Takuya Ueda (Tohoku University Hosp.)

- Educational Lecture 24: April 14 (Sat.) 13:00-14:00 (F205 + 206)
 「Radiation Oncology 4」 Moderator: Kenji Nemoto (Yamagata Univ.)
 Radiotherapy for Hepatobiliary and Pancreatic Cancers Satoaki Nakamura (Kansai Medical Univ.)

- Educational Lecture 25: April 14 (Sat.) 14:10-15:10 (F205 + 206)
 「Radiation Oncology 5」 Moderator: Masaharu Hata (Yokohama City Univ.)
 Radiation Therapy 5: Uterine Cervical Cancer Masaru Wakatsuki (Jichi Medical Univ.)

- Educational Lecture 26: April 14 (Sat.) 15:20-16:20 (F205 + 206)
 「Radiation Oncology 6」 Moderator: Shinya Hayashi (Fujita Health Univ.)
 Palliative Radiotherapy Naoki Nakamura (National Cancer Center Hosp. East)

- Educational Lecture 27: April 15 (Sun.) 8:00-9:00 (Main Hall)
 「[MOC Requirements] Quality of Imaging Diagnosis」 Moderator: Hiroshi Kondoh (Tottori Univ.)
 1. Information Technology for Diagnostic Imaging Hidefumi Fujisawa (Showa University Northern Yokohama Hosp.)
 2. Radiology and IT Security Hideo Gobara (Okayama University Hosp.)

- Educational Lecture 28: April 15 (Sun.) 8:00-9:00 (301)
 「Gastrointestinal Radiology 3」 Moderator: Hiromu Mori (Oita Univ.)
 1. Imaging Features of Rare Cystic Lesions of the Pancreas Yoshihiko Fukukura (Kagoshima Univ.)
 2. Pancreas Lesions in Systemic Diseases (Focusing on IgG4-related Disease)
 Dai Inoue (Kanazawa University Hosp.)

- Educational Lecture 29: April 15 (Sun.) 8:00-9:00 (302)

〔Respiratory Tumors〕 Moderator: Masahiko Kusumoto (National Cancer Center Hosp. East)

General Rules of TNM Staging System for Malignant Tumors: How to Apply the TNM Rules?

Hisao Asamura (Keio Univ.)

- Educational Lecture 30: April 15 (Sun.) 8:00-9:00 (303)

〔Neuroradiology 3〕 Moderator: Reiichi Ishikura (Hyogo College of Medicine)

 1. Molecular Mechanisms and Neuroimages of Cortical Dysgenesis Which Appears Not to Be Genetic
Mitsuhiro Kato (Showa Univ.)
 2. Gene and Imaging 2
Harushi Mori (Univ. of Tokyo)

- Educational Lecture 31: April 15 (Sun.) 8:00-9:00 (304)

〔Nuclear Medicine 3〕 Moderator: Hirotaka Maruno (Toranomon Hosp.)

 1. The Examination Methods of Myocardial Perfusion SPECT Shigeki Nagamachi (Fukuoka University Hosp.)
 2. How to Evaluate the Myocardial Perfusion SPECT Imaging: From Visual Assessment to Interpretation of Functional Data
Keisuke Kiso (National Cerebral and Cardiovascular Center)

- Educational Lecture 32: April 15 (Sun.) 8:00-9:00 (311 + 312)

〔Pediatric Radiology 1〕 Moderator: Masashi Koyama (Okazaki City Hosp.)

 1. Imaging of Abusive Head Trauma (AHT)
Mikiko Miyasaka (National Center for Child Health and Development)
 2. Diagnostic Imaging of Child Abuse. - Extracranial Injuries - Eiji Oguma (Saitama Children's Medical Center)

- Educational Lecture 33: April 15 (Sun.) 8:00-9:00 (313 + 314)

〔Head and Neck Radiology 2〕 Moderator: Yoshihiro Toyama (Kagawa Univ.)

 1. Imaging of the Thyroid Disease: CT and MRI
Noriyuki Fujima (Hokkaido University Hosp.)
 2. Ultrasonography in Thyroid Diseases
Hiroko Satake (Nagoya Univ.)

- Educational Lecture 34: April 15 (Sun.) 8:00-9:00 (315)

〔IVR 3〕 Moderator: Takuji Yamagami (Kochi Univ.)

 1. Lung Biopsy, Preoperative Marking Prior to VATS
Hiroshi Miura (Kyoto Prefectural Univ. of Medicine)
 2. Lung RFA: Current Status and Clinical Consideration
Haruyuki Takaki (Hyogo College of Medicine)

- Educational Lecture 35: April 15 (Sun.) 8:00-9:00 (F205 + 206)

〔〔MOC Requirements〕 Quality of Radiotherapy〕 Moderator: Masatoshi Hasegawa (Nara Medical Univ.)

Quality of Radiotherapy
Hiroyuki Muramatsu (Kiryu Kosei General Hosp.)

- Educational Lecture 36: April 15 (Sun.) 9:10-10:10 (F205 + 206)

〔Chest Radiology 3〕 Moderator: Kiyoshi Murata (Shiga Univ. of Medical Science)

 1. Chest Trauma Imaging
Yasuyuki Kurihara (St. Luke's International Hosp.)
 2. Imaging of Congenital Lung Anomalies in the Adult
Shigeki Misumi (The Jikei Univ. School of Medicine)

- Educational Lecture 37: April 15 (Sun.) 10:20-11:20 (F205 + 206)

〔Pediatric Radiology 2〕 Moderator: Yoshinobu Akasaka (Hyogo Children's Hosp.)

 1. Pediatric Abdominal Emergency Imaging in "Neonate", "Infant", and "Toddler"
Chihiro Tani (Hiroshima Univ.)
 2. Image Findings of Abdominal Emergencies in Childhood and Adolescence
Motoo Nakagawa (Nagoya City Univ.)

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- Educational Lecture 38: April 15 (Sun.) 10:50-11:50 (Main Hall)
「[MOC Requirements] Medical Ethics」 Moderator: Naoyuki Shigematsu (Keio Univ.)
Conflict of Interest in Medical Research
Hitoshi Arima (Yokohama City Univ., International College of Arts and Sciences)

- Educational Lecture (JJR Editorial): April 13 (Fri.) 15:10-16:10 (311 + 312)
How to Review Submitted Articles; Tips for JJR Reviewers
Yukunori Korogi (Univ. of Occupational and Environmental Health)

指導者講習会

- 指導者講習会 1: April 13 (Fri.) 10:50-11:50 (F205 + 206)
Masumi Kadoya (Shinshu Univ.)
- 指導者講習会 2: April 15 (Sun.) 13:00-14:00 (National Convention Hall)
Yasushi Kaji (Dokkyo Medical Univ.)

Luncheon Seminar

- Luncheon Seminar 1: April 13 (Fri.) 12:00-12:50 (Main Hall)
「Topics of Contrast enhanced CT and MRI」 Moderator: Yasuyuki Yamashita (Kumamoto Univ.)
 1. Optimization of iodine and gadolinium contrast medium administration using perfusion simulator
Toru Higaki (Hiroshima Univ.)
 2. Clinical conditions and imaging findings relating to abnormal laboratory data (second fascicle).
LDH and ALP; which do you trust? Takashi Koyama (Kurashiki Central Hosp.)Sponsored by: Eisai Co., Ltd.
- Luncheon Seminar 2: April 13 (Fri.) 12:00-12:50 (301)
「New innovative generation of Canon MRI」 Moderator: Shinji Naganawa (Nagoya Univ.)
 1. Clinical Application of New High Resolution 3D Imaging ~Additional Value for Accurate Diagnosis~
Kohei Hamamoto (Saitama Medical Center, Jichi Medical Univ.)
 2. Impact of Deep Learning Reconstruction on MR Images
Mika Kitabatake (Kumamoto Univ.)Sponsored by: Canon Medical Systems Corporation
- Luncheon Seminar 3: April 13 (Fri.) 12:00-12:50 (302)
「Clinical Applications of 3D printing in Cardiovascular Medicine」
Moderator: Yasushi Koyama (Sakurabashi Watanabe Hosp.)
Akira Kurata (Ehime Univ.)
Sponsored by: Bayer Yakuhin, Ltd.
- Luncheon Seminar 4: April 13 (Fri.) 12:00-12:50 (303)
「Expanding Precision Medicine through innovation」 Moderator: Katsuyoshi Ito (Yamaguchi Univ.)
 1. How can Dual Source CT contribute to "precision medicine" and "personalized medicine"?
Morikatsu Yoshida (Amakusa Medical Center)
 2. How can we take advantage of Dual Energy imaging in abdominal emergency medicine?
Takehiko Gokan (Syowa Univ.)Sponsored by: Siemens Healthcare K. K.

- Luncheon Seminar 5: April 13 (Fri.) 12:00-12:50 (304)

〔Clinical topics of cardiac MRI〕

	Moderator: Norihiko Yoshimura (Niigata Univ.)
1. MRI for cardiac sarcoidosis in a clinical setting	Atsushi Kono (National Cerebral and Cardiovascular Center)
2. Clinical utilization of cardiac MRI	Tomoyuki Kido (Ehime Univ.)

Sponsored by: FujiPharma Co., Ltd.

- Luncheon Seminar 6: April 13 (Fri.) 12:00-12:50 (311 + 312)

〔Potentiality of Diagnosis Support Service utilizing AI〕

	Moderator: Kazuo Awai (Hiroshima Univ.)
1. Diagnostic Support Technology for Breast Ultrasound and Prostate MRI	Hirokazu Nosato (National Institute of Advanced Industrial Science and Technology (AIST))
2. EIRL: AI Medical Image Diagnostic Support Technology	Yuki Shimahara (LPixel Inc.)

Sponsored by: NOBORI Ltd.

- Luncheon Seminar 7: April 13 (Fri.) 12:00-12:50 (313 + 314)

〔Dynamic Chest Radiography Using Flat Panel Detector System: Technique and Clinical Usefulness〕

	Moderator: Masahiro Jinzaki (Keio Univ.)
Technique	Rie Tanaka (Kanazawa Univ.)
Clinical Usefulness(1)	Yoshitake Yamada (Keio Univ.)
Clinical Usefulness(2)	Tomoyuki Hida (Brigham and Women's Hospital, Harvard Medical School/Kyushu Univ.)

Sponsored by: KONICAMINOLTA, INC.

- Luncheon Seminar 8: April 13 (Fri.) 12:00-12:50 (315)

〔Next generation diagnostic imaging!〕

	Moderator: TBC
1. IQon spectral CT opens a door for new era of cardiovascular imaging	Noriko Manabe (Hokkaido Univ.)
2. Clinical impact of C SENSE - Beyond the time saving -	Kazuhiro Katahira (Kumamoto Chuo Hosp.)

Sponsored by: Philips Japan, Ltd.

- Luncheon Seminar 9: April 13 (Fri.) 12:00-12:50 (416 + 417)

〔"AI" technology in diagnostic imaging〕

	Moderator: Takamichi Murakami (Kobe Univ.)
1. Advancement of image diagnostic assistance using artificial intelligence	
- RSNA 2017 announcements and trends in expanded application of artificial intelligence -	Norio Nakata (Tokyo Jikei Medical Univ.)
2. Present and future prospects of FUJIFILM's AI utilization in image diagnostic assistance	Yuanzhong Li (FUJIFILM Corporation)

Sponsored by: FUJIFILM Medical Co., Ltd.

- Luncheon Seminar 10: April 13 (Fri.) 12:00-12:50 (F205 + 206)

〔Discussion, Chemoradiotherapy of unresectable stage III non-small cell lung cancer〕

	Moderator: Yasumasa Nishimura (Kindai Univ.)
	Takayasu Kurata (Kansai Medical Univ.)
	Hideyuki Harada (Shizuoka Cancer Center)

Sponsored by: AstraZeneca K. K.

- Luncheon Seminar 18: April 14 (Sat.) 12:00-12:50 (315)
 「Clinical and Research MRI of Brain using Simultaneous Multi-Slice technique.」
 Moderator: Tomohisa Okada (Kyoto Univ.)
 Masaki Hori (Juntendo Univ.)

Sponsored by: Siemens Healthcare K.K.
- Luncheon Seminar 19: April 14 (Sat.) 12:00-12:50 (416 + 417)
 「Clinical values of new era angiography system "Azurion"」
 1. Innovation and actual ability of "Azurion" in Intervention
 2. Usefulness of Azurion in PAD Intervention
 Moderator: Keigo Osuga (Osaka Univ.)
 Hideyuki Takimura (Tokyo General Hosp.)
 Yoshiaki Yokoi (Kishiwada Tokushukai Hosp.)

Sponsored by: Philips Japan, Ltd.
- Luncheon Seminar 20: April 14 (Sat.) 12:00-12:50 (F205 + 206)
 「How PACS can improve the QOL of radiologists and radiological technologists.
 - So lucky to use PSP-PACS in these situations! -」
 Moderator: Masataka Uetani (Nagasaki Univ.)
 Kazuhiro Katahira (Kumamoto Chuo Hosp.)

Sponsored by: PSP Corporation.
- Luncheon Seminar 21: April 15 (Sun.) 12:00-12:50 (Main Hall)
 「The value of contrast-enhanced CT in the emergency care setting」
 Moderator: Takamichi Murakami (Kobe Univ.)
 Hiroshi Kondo (Teikyo Univ.)

Sponsored by: DAIICHI SANKYO CO., LTD.
- Luncheon Seminar 22: April 15 (Sun.) 12:00-12:50 (301)
 「Vision of 3.0T MR Faster scan technology」
 Moderator: Osamu Abe (The University of Tokyo)
 Yasuyuki Kobayashi (St. Marianna Univ.)
 Utaroh Motosugi (Univ. of Yamanashi)

Sponsored by: GE Healthcare Japan
- Luncheon Seminar 23: April 15 (Sun.) 12:00-12:50 (302)
 「Medical Payment System 2018」
 Moderator: Shigeki Aoki (Juntendo Univ.)
 Masahiro Ida (Ebara Hosp.)

Sponsored by: Bayer Yakuhin, Ltd.
- Luncheon Seminar 24: April 15 (Sun.) 12:00-12:50 (303)
 「The Current Situation of Brain Amyloid Imaging and Its Future Prospects」
 Moderator: Yusuke Inoue (Kitasato Univ.)
 Kazunari Ishii (Kindai Univ.)

Sponsored by: Nihon Medi-Physics Co., Ltd.
- Luncheon Seminar 25: April 15 (Sun.) 12:00-12:50 (304)
 「Proper use and safety of iodinated contrast medium」
 1. Proper use of contrast material based on the contrast-enhanced CT theory
 2. Safety of iodinated contrast medium injection for CT
 Moderator: Yasuyuki Yamashita (Kumamoto Univ.)
 Satoshi Goshima (Gifu Univ.)
 Tatsuya Gomi (Toho Univ. Ohashi Medical Center)

Sponsored by: FujiPharma Co., Ltd.

· Luncheon Seminar 26: April 15 (Sun.) 12:00-12:50 (311 + 312)

「Efficient reading on PACS: Latest advances of PACS Viewer and how to communicate with vendor」

Moderator: Yasushi Kaji (Dokkyo Medical Univ.)

Hiroaki Arakawa (Dokkyo Medical Univ.)

Satoru Takahashi (Takatsuki Hosp.)

Sponsored by: Carestream Health Japan Co., Ltd.

· Luncheon Seminar 27: April 15 (Sun.) 12:00-12:50 (313 + 314)

「New Horizon of 4D Imaging」

Moderator: Kei Takase (Tohoku Univ.)

1. Post-processing in cardiac MRI: Clinical utility of Ziostation2

Yoshiaki Morita (National Cerebral and Cardiovascular Center)

2. New insight of cardiac 4D analysis using CT strain and coronary flow map

Michinobu Nagao (Tokyo Women's Medical Univ.)

Sponsored by: Ziosoft, Inc./Amin Co., Ltd

· Luncheon Seminar 28: April 15 (Sun.) 12:00-12:50 (315)

「The future of radiological imaging」

Moderator: Kazuo Awai (Hiroshima Univ.)

1. Capability of HITACHI 3T TRILLIUM OVAL in the abdominal imaging

Yuko Nakamura (Hiroshima Univ.)

2. Towards Radiology Support with AI

Takashi Shirahata (Hitachi, Ltd.)

Sponsored by: Hitachi, Ltd.

· Luncheon Seminar 29: April 15 (Sun.) 12:00-12:50 (416 + 417)

「Impact of spectral CT on clinical practice - Makes an impact double with AZE new technique -」

Moderator: Masahiro Jinzaki (Keio Univ.)

Kazuhiro Katahira (Kumamoto Chuo Hosp.)

Sponsored by: AZE, Ltd.

· Luncheon Seminar 30: April 15 (Sun.) 12:00-12:50 (F205 + 206)

「Halcyon™ - Bringing simplicity and efficiency to modern radiotherapy」

Moderator: Tetsuo Akimoto (National Cancer Center Hospital East)

Parag Sanghvi (University of California San Diego Health, USA)

Sponsored by: Varian Medical Systems K.K.

Educational Exhibition Programs

April 12 (Thu.)~April 15 (Sun.)

Neuro/Head/Neck

- E001** Waste Clearance System in the Brain (Glymphatic System) and Gd Deposition of the Brain
Toshiaki Taoka / Dept. of Radiology, Nagoya University
- E002** Presurgical Functional MRI: Requisites
Shunji Mugikura / Diagnostic Radiology, Tohoku University
- E003** Imaging Findings of Focal Cortical Dysplasia Based on the New ILAE Classification
Eriko Takabayashi / Dept. of Radiology, Asahikawa Medical university&Hospital
- E004** Imaging of Hypertrophic Pachymeningitis with ANCA-associated Vasculitis
Mariko Doai / Dept. of Radiology, Kanazawa Medical University
- E005** Demonstration of Perforating Arteries by Ultra-High-Resolution Brain CT Angiography
Miho Gomyo / Dept. of Radiology, Kyorin University Faculty of Medicine
- E006** The Significance of MR Imaging in Diagnosis of Facial Palsy
Ayumi Kato / Dept. of Radiology, Faculty of Medicine, Tottori University
- E007** Neuroimaging in Traumatic Head Injure: Dual Energy CT
Norihito Naruto / Dept. of Radiology, Univ. of Tayama
- E008** Clinical Imaging in Acute Ischemic Stroke
Masahiro Nawata / Dept. of Radiology, Tominaga Hospital
- E009** Structural and Functional Imaging in Autosomal Dominant Spinocerebellar Degeneration in Japan
Makoto Ochi / Dept. of Radiology, Nagasaki Kita Hospital
- E010** Temporal Bone CT Evaluation of Middle Ear Cholesteatoma Using Ultra-high-resolution CT
Arisa Ohara / Dept. of Radiology, Kyorin University Faculty of Medicine
- E011** Pseudocontinuous Arterial Spin Labeling: Clinical Applications and Usefulness for Head and Neck Entities
Maki Umino / Dept. Radiology, Mie University School of Medicine
- E012** MR and CT Angiography Findings of Common Carotid and Cervical Internal Carotid Artery Variations
Akira Uchino / Dept. of Diagnostic Radiology, Saitama Medical University International Medical Center
- E013** Imaging Characteristics of Malignant Sinonasal Tumors
Akiko Kato / Dept. of Radiology, Gifu University School of Medicine
- E014** Central Skull Base Lesions: Anatomy, Tumor and Tumor-like Lesions
Ayano Ishiyama / Dept. of Radiology, Nagasaki University Hospital

- E015** Clinical Utility of Perfusion CT for Treatment Strategy in Head and Neck Squamous Cell Carcinoma
Munetaka Matoba / Dept. of Radiology, Kanazawa Medical University

- E016** Diplopia: CT and MR Imaging Diagnosis
Yosuke Kano / Dept. of Radiology, Kitasato University School of Medicine

Chest

- E017** Pulmonary Anatomical Points for Lobectomy
Hideaki Otsuji / PET Nishinokyou Hospital
- E018** Imaging Findings of Lesions of the Pulmonary Vessels
Yoshiyuki Ozawa / Dept. of Radiology, Nagoya City University Graduate School of Medical Sciences
- E019** Spectrum of Findings in Patients with Influenza Virus Associated Pneumonia
Yuki Shiroma / Department of Radiology, University of the Ryukyus Hospital, Okinawa, Japan
- E020** Mycobacteriosis in Immunosuppressive Patients: Imaging Findings
Kiyomi Furuya / Dept. Radiology, National Kyushu Medical Center
- E021** Do You Check Lines and Tubes on Routine Thoracic Imaging?
Kengo Fujimoto / Dept. Radiology, Kagawa University School of Medicine
- E022** Pulmonary Nodules with Unexpected Diagnosis after Resection
Hiromitsu Sumikawa / Department of Diagnostic Radiology, Osaka International Cancer Institute
- E023** High Resolution CT Findings of Diffuse Alveolar Hemorrhage (DAH)
Fumi Kameda / Dept. of Radiology, Yamaguchi University Graduate School of Medicine.

Cardiovascular

- E024** Noninvasive Fractional Flow Reserve Derived from Coronary CT Angiography: Past, Present and Future
Hidenobu Takagi / Dept. of Radiology, Iwate Medical University
- E025** Hypoplastic Left Heart Syndrome. The Fundamental Knowledge of the Pathophysiology and Morphological Changes
Norihito Hashizume / Department of radiology, Showa University Northern Yokohama Hospital
- E026** Revisiting Normal Variants and Collateral Circulation of Renal Arteries after Embolization
Shoichi Takekawa / Dept. of Diagnostic Radiology, Southern TOHOKU General Hospital
- E027** Spectrum of IgG4 Related Disease: Response to Steroid Therapy
Motoaki Sato / Depart. of Radiology, Kamagaya General Hospital
- E028** Coronary Artery Calcification: What Radiologists Should Know
Makoto Amanuma / Dept. of Radiology, Takase Clinic

- E029** Coronary Risk Factors: What and How Much to Consider for Assessment of Coronary CT Angiography
Makoto Amanuma / Dept. of Radiology, Takase Clinic
- E030** Diagnostic Imaging of Heart Tumors and Mimicking Tumors
Shunta Ishitoya / Department of Radiology, Asahikawa Medical University, Asahikawa, Japan
- E031** Aortic Disease in the Emergency Room: Pictorial Review
Takashi Norikane / Department of Radiology, Faculty of Medicine, Kagawa University
- E032** Vascular Malformation: Aortic Arch Malformation and Inferior Vena Cava Malformation
Ryuzo Sekiguchi / Dept. of Radiology, Toho University Ohashi Medical Center

Hepatobiliary/Pancreas

- E033** How Do You Manage Hepatic Portal Venous Gas (HPVG)?
Yuko Sano / Dept. of Radiology, Kyoto Yamashiro General Medical Center
- E034** CT and MRI Images of Pancreatic Neuroendocrine Tumors: Typical and Non-typical Images
Akihiko Kanki / Dept. of Radiology, Kawasaki Medical School
- E035** Imaging of Pediatric and Adult Patients with Anomalous Pancreatobiliary Ductal Junction
Takaharu Tsuda / Dept of Radiology, Ehime University Graduate School of Medicine
- E036** Imaging of IPMC: What the Radiologists Need to Know
Reiji Sugita / Dept. of Radiology, Sendai Open HP
- E037** Hepatic Lesions Accompanied by Dilatation of the Intrahepatic Bile Duct
Kiyohito Yamamoto / Dept. of Radiology, Osaka Medical College
- E038** Knack and Pitfalls of Interpretation of Gd-E0B-DTPA Enhanced MRI
Kitao Azusa / Department of Radiology, Kanazawa University Hospital
- E039** Multimodality Imaging and Clinical Manifestations of Hepatobiliary and Pancreatic Mucinous Neoplasms
Tetsuya Tachiiri / Dept. of Radiology, Nara Medical University Hospital
- E040** Imaging of Hypervascular Tumors of the Pancreas
Yasuomi Fujimoto / Dept. of Radiology, Asahikawa Medical College

Gastrointestinal

- E041** A New Diagnostic Standard Practice in Radiological Gastric Cancer Screening
Takahiro Itoh / Dept of Radiology, Nara Medical University
- E042** Differentiation of Groin Masses: New Findings on the Discrimination Point of the Femoral Hernias
Takashi Furuie / Dept. of Radiology, Tokyo metropolitan Ohtsuka hospital
- E043** Volvulus of the Gastrointestinal Tract: Clinical and Radiological Characteristics
Kazuya Matsunari / Dept. of Radiology, Showa University Northern Yokohama Hospital

- E044** Imaging Manifestations of Hereditary Gastrointestinal Tract Diseases and Associated Lesions
Hitoshi Abo / Dept. Diagnostic Radiology, Toyama Prefectural Cent. Hospital
- E045** Imaging of Lower Gastrointestinal Bleeding
Eliko Tanaka / Dept. of Radiology, Showa University Fujigaoka Hospital
- E046** Diagnostic Recipe for Gastric Tumor: Correlation of Radiological Features with Histopathological Findings
Kiyoyuki Minamiguchi / Dept. of Radiology, Nara Medical University

Uroradiology

- E047** Clinical Utility of PI-RADS 2 Assessment: Correlation of Multiparametric MRI and PI-RADS Version 2 Assessment with Prostate Whole Mount Histology
Takashi Tanaka / Dept. of Radiology, Okayama University Hospital
- E048** Detection and Characterization of Small Renal Cell Carcinoma ($\leq 4\text{cm}$) on Non-Contrast CT
Aiko Gobara / Dept. of Radiology, Shimane University Faculty of Medicine
- E049** Percutaneous Nephrolithotomy: Role of Multidetector Computed Tomography in Pre- and Post-Surgical Assessment
Natsuko Kobayashi / Dept. of Radiology, SUNY Upstate Medical University

Obstetrics/Gynecology

- E050** Clinical and Radiological Features of Urogenital Torsion
Chisa Yoneima / Dep. of Radiology, Nara Medical University
- E051** The Supporting Structures of the Female Pelvis: Radiological and Pathological Features with Emphasis on MR Imaging
Takeru Fukunaga / Division of Radiology, Tottori University Faculty of Medicine
- E052** Diagnostic and Therapeutic Strategy for Germ Cell Tumors of the Ovary
Mayumi Takeuchi / Dept. of Radiology, Tokushima University

Breast

- E053** Relationship between Breast MRI and Concept about Progression Pathways of Development of Invasive Cancer from DCIS
Takayoshi Uematsu / Dept. of Breast Imaging and Breast Intervention
- E054** Imaging Findings of Benign Breast Lesions: Diagnostic Difficulty in Excluding Malignancy
Yukihsa Takayama / Dept. of Radiology, Kitakyushu Municipal Medical Center
- E055** Appearance of Complex Cystic Breast Masses: Focusing on US and MRI
Satoko Ishigaki / Dept. of Radiology, Nagoya University Graduate School of Medicine

Musculoskeletal

- E056** Imaging Features of Primary Synovial Chondromatosis: Comparison with Histopathological Findings
Ayako Mikoshi / Dept. of Radiology, National Defense Medical College
- E057** Imaging of Chest Wall Tumors and Tumor-like Lesions
Naoki Kunitomo / Dept. of Radiology, Jichi Medical University School of Medicine
- E058** Ultrasonography Diagnosis of Superficial Soft-tissue Lesions: Clinicopathological Correlation with Imaging Findings
Kohei Hamamoto / Dept. of Radiology, Saitama Medical Center, Jichi Medical University

Pediatric

- E059** Xp, CT and MRI Imaging Characteristics of Pediatric Leukemia
Satoshi Yabusaki / Dept. of Diagnostic and Interventional Radiology, Hokkaido University Hospital
- E060** Pathological Intracranial Calcification in Childhood: A Pictorial Review
Shigeo Kuwashima / Department of Radiology Dokkyo Medical University
- E061** Rare Neurologic Complications of Pediatric Cancer
Tetsuhiko Okabe / Dept. of Radiology, Yokohama City University
- E062** Fetal MRI: Minimal Essentials for Clinical Examination
Katsutoshi Horiuchi / Department of Radiology, Nara Medical University

Whole body

- E063** Possibility of Deep Learning Technique in CT Image Reconstruction
Yuko Nakamura / Diagnostic Radiology, Hiroshima University
- E064** FAKE CASES That Mimic Localized Cellulitis
Keita Inoue / Dept. Radiology, Otsu Red cross Hospital
- E065** Diagnostic Imaging of the Teratomas; What a Strange Tumor!
Shinya Hattori / Dept. of Radiology, Chiba University Hospital
- E066** Imaging of Lipoma
Naofumi Watanabe / Dept. of Radiology, Asahikawa Medical University

Emergency

- E067** Diffuse Axonal Injury and Diffuse Vascular Injury: Pathological and Radiological Features
Yumi Tai / Dept. of Radiology, Nara Prefectural Seiwai Medical Center
- E068** MR Imaging of Acute Abdomen Correlated with CT Imaging: A Pictorial Essay
Akitoshi Inoue / Dept. of Radiology, Higashi-Ohmi General Medical Center

Miscellaneous

- E069** Clinical Impacts of Ultra-high-resolution CT Combined with Iterative Reconstruction Algorithm
Yuusuke Kinnoshita / Dept. of Radiology, Kyorin University Faculty of Medicine
- E070** Review of CT Imaging Related with Complications from the Administration of Iodinated Contrast Media
Takayoshi Shinya / Dept. of Radiology, Okayama University Hospital
- E071** Pharmacological Prevention of Allergic-like Reactions Caused by Iodinated and Gadolinium-based Contrast Media: A Systematic Review
Hiroyasu Umakoshi / Dept. of Radiology, Komaki City Hospital
- E072** Oft Overlooked Lesions of the Diaphragmatic Crura and Retrocrural Space
Nishiyama Tomoya / Dept. of Radiology, St Luke's International Hospital
- E073** Imaging of Paraganglioma: A Comprehensive Review
Shuji Nagata / Dept. of Radiology, Kurume University School of Medicine

Nuclear Medicine

- E074** MRI and Nuclear Medicine Imaging Patterns of Frontotemporal Dementia
Atsushi Nakanishi / Dept. of Radiology, Juntendo University School of Medicine
- E075** Test-retest Reproducibility of Specific Binding Ratio for DAT Scan by Using Bland-Altman Analysis
Atsutaka Okizaki / Department of Radiology, Asahikawa Medical University
- E076** Usefulness of Gallium-67 Scintigraphy with CT and MRI Findings for Differentiation of Malignant Tumors and Inflammatory Lesions of the Jaws
Ichiro Ogura / Radiology, The Nippon Dental University Niigata Hospital
- E077** The Effects of Apitherapy in Preventing Salivary Gland Disorder during I-131 Ablation in Patients with Differentiated Thyroid Cancer
Michihiro Nakayama / Dept. of Radiology, Asahikawa Medical University
- E078** FDG-PET/CT Imaging of Tumor and Tumor-like Hepatic Lesions: Correlation between Uptake and the Molecular Mechanism
Kumi Ozaki / Dept. of Radiology, Fukui Prefectural Hospital
- E079** Diagnosis of Recurrence and Metastasis of Prostate Cancer Using Nuclear Medicine Imaging
Hayato Kaida / Dept. of Radiology, Kindai University Faculty of Medicine
- E080** FDG PET/CT Findings of Central Nerve System Lymphoma: A Pictorial Essay
Koya Nakatani / Dept. of Diagnostic Radiology, Kurashiki Central Hospital
- E081** Pitfalls and Artifacts in the Interpretation of Oncologic FDG-PET/CT
Mana Ishibashi / Dept. of Radiology, Tottori Univ.

Radiation Oncology

- E082** Diagnostic Imaging of Breast Cancer for Accelerated Partial Breast Irradiation (APBI)
Kazunori Kubota / *Dept. of Diagnostic Radiology, Tokyo Medical and Dental University*

Interventional Radiology

- E083** Early Experiences in the Treatment of Hepatic Malignancy with Transarterial Chemoembolization (TACE) Using Drug-eluting Beads
Kotaro Yasui / *IVR center, Okayama Saiseikai General Hospital*
- E084** TACE Marking of HCC by Diluted and Warmed Lipiodol Emulsion with Contrast Material for CT-guided RFA
Taichi Kurose / *Dept. of Diagnostic Radiology, Hiroshima Prefectural Hospital*
- E085** Fundamentals of Imaging Strategies and Interventional Radiology Procedures for Gastrointestinal Arterial Bleeding for Trainees
Satoru Morita / *Dept. of Diagnostic Imaging and Nuclear Medicine, Tokyo Women's Medical University Hospital*
- E086** Central Venous Access Port with Translumbar Inferior Vena Cava Cannulation
Shuji Kariya / *Dept. of Radiology, Kansai Medical University*
- E087** CT Guided Biopsy for the Analysis of Epidermal Growth Factor Receptor (EGFR) T790M Mutation
Miyuki Nakatani / *Dept. of Radiology, Kansai Medical University*
- E088** Two Ways to Make PVP Safe
Hiroshi Nakatake / *Dept. of Radiology, NCGM*
- E089** Usefulness of Dynamic Density Optimization (DDO) in Venous Interventional Radiology (IVR) for the Purpose of Reducing Motion Artifacts
Hidekatsu Tateishi / *Dept. of Radiology, Kyorin University Faculty of Medicine*
- E090** The Method of Virtual Liver Parenchymal Perfusion Using Existing 3-dimensional Workstation and Simulation Software in Conventional Transcatheter Arterial Chemoembolization
Mitsuhiro Kinoshita / *Tokushima University Hospital*
- E091** Rationale of Biliary Stent with Antireflux System for Lower Biliary Obstruction
Hiroshi Anai / *Dept. of Radiology and R&D Center for IVR, Nara City Hospital*
- E092** Novel Sedative Method for Interventional Radiology Procedures: Utility of Dexmedetomidine
Emiko Chiba / *Dept. of Radiology, Saitama Medical Center, Jichi Medical University*
- E093** To Better Understand "Micro Balloon Catheter with a Side Hole."
Kazuhiro Yamamoto / *Dept. of Radiology, Osaka Medical College*

Autopsy imaging

- E094** Post-mortem Imaging for Detecting the Cervical Spine Injuries; Utility, Pitfalls, and Promising Modalities
Yohsuke Makino / *Dept. of Forensic Medicine, The University of Tokyo*

- E095** Roles of Postmortem Imaging Diagnosis in Medical Settings

Seiji Shiotani / *Dept. of Radiology, Seirei Fuji Hospital*

- E096** Interpretation of Postmortem CT in the Forensic Field; When It's Helpful, When It's Not

Maiko Yoshida / *Chiba University Center for Education and Research in Legal Medicine, Chiba, Japan*

IT/PACS/Education

- E097** Artificial Intelligence Using Neural Network Architecture For Radiology (AINNAR)

Takuya Hiraishi / *Dept. of Radiology, NCGM*

- E098** Guide to Implementations of Deep Learning System in Radiology

Naoki Yoshioka / *Diagnostic Radiology Center, Mita Hp., International University of Health and Welfare*

- E099** Artificial Intelligence Using Neural Network Architecture for Radiology (AINNAR): The Decoding of the Technical Terms in AI

Fumiya Uchiyama / *Dept. of Radiology, NCGM*

- E100** Superficial Learning about "Deep Learning": What Radiologists Should Know

Rintaro Ito / *Dept. of Radiology, Nagoya University School of Medicine*

- E101** Learning Materials Based on "Instructional Design" to Improve Educational Skills of Medical Doctors

Shoko Ariyoshi / *Dept. of Radiology, Yamaguchi University Graduate School of Medicine*

- E102** How to Read Chest CT and MRI Films.: The First Step

Jiro Terada / *Freelance*

Oral Presentation Programs

April 12 (Thu.)

15:40-16:30 (302)

1. Obstetrics/Gynecology 1 Shinya Fujii

- 001** Evaluating Myometrial Invasion of Endometrial Cancer Patients with Reduced Field-of-view Diffusion-weighted Imaging
Akira Akutsu / Dept. of Radiology, Chiba University Hospital
- 002** Diffusion-Tensor Imaging of the Uterus and Endometrial Carcinoma: Comparison with Immunohistochemical Findings
Ichiro Yamada / Dept. of Diagnostic Radiology and Nuclear Medicine, Graduate School, Tokyo Medical and Dental University
- 003** Dynamic Contrast-enhanced MR Imaging Using Fatsat-DISCO for the Evaluation of the Female Pelvis and Vascular Anatomy
Kenshi Kawamura / Dept. of Radiology, Seirei Hamamatsu General Hospital
- 004** The Relationship between Preoperative Magnetic Resonance Imaging Findings and Uterine Fibroid Reduction after Uterine Artery Embolization
Hiroshi Shimizu / Dept. of Radiology, Kansai Medical University
- 005** Withdrawn

15:40-16:30 (303)

2. Head and neck 1: Tumor Masayuki Maeda

- 006** MR Imaging of Orbital Solitary Fibrous Tumor: Radiologic-pathologic Correlation
Ryuhei Masuno / Dept. of Radiology, Tokyo Medical University
- 007** Imaging Findings of Primary IgG4-related Cervical Lymphadenopathy
Masaya Kawaguchi / Dept. of Radiology, Gifu University School of Medicine
- 008** Usefulness of Dual-layer CT in Follow-up Examinations: Differentiation between Posttreatment Changes and Recurrent Squamous Cell Carcinomas in Head and Neck
Koji Takumi / Department of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences
- 009** The Value of Dynamic Monitoring of Thyroglobulin Doubling Time in Differentiated Thyroid Carcinoma
Xieyi Zhang / Department of Diagnostic Radiology and Nuclear Medicine, Gunma University
- 010** CT Characteristics of Eosinophilic Lymphoid Granuloma in the Neck and Maxillofacial
Peng Gao / Department of Imaging, the Central Hospital of Luoyang, Henan, China

15:30-16:30 (304)

3. Chest 1: Lung cancer Hiroaki Arakawa

- 011** The Chest HRCT and CE-CT Findings of the Peripheral Squamous Cell Carcinoma with Pathological Correlation
Nobukata Kazawa / Dept. of Radiology, Nagoya City University School of Medicine

- 012** Prognosis Evaluation in Clinical Stage I Lung Cancer Based on the 8th Version of the Union for International Cancer Control
Shingo Iwano / Dept. of Radiology, Nagoya University Graduate School of Medicine

- 013** Three-dimensional Volumetry of Solid Component in Subsolid Lung Cancer on Multi-detector CT Predicts the Prognosis
Shinichiro Kamiya / Dept. of Radiology, Nagoya University Graduate School of Medicine

- 014** HRCT Texture Analysis for Ground-glass Nodules: Distinguishability of Adenocarcinoma in Situ or Minimally Invasive Adenocarcinoma from Invasive Adenocarcinoma
Yamazaki Motohiko / Dept. of Radiology, Niigata University Medical and Dental Hospital

- 015** Machine Learning Based on Texture Analysis with Spectral CT Imaging to Distinguish Moderate/Poor- and Well Differentiate Adenocarcinoma of the Lung
Takeshi Nakaura / Department of Radiology, Kumamoto University

- 016** Optimal Protocol for Evaluation of Dual-input Perfusion in Lung Cancer
Ying Zhang / Department of Radiology, Renji Hospital, School of Medicine, Shanghai Jiaotong University

April 13 (Fri.)

10:20-10:50 (304)

4. Obstetrics/Gynecology 2 Junko Takahama

- 017** Postmenopausal Uterine Peristalsis Assessed by Cine MR Imaging
Miho Yamakawa / Dept. of Diagnostic Imaging, Osaka General Medical Center
- 018** Variation of Signal Intensity on Diffusion-Weighted Image of Uterine Adenomyosis: Comparison with Uterine Malignancies
Ryo Yajima / Dept. of Diagnostic Radiology, Kyoto University
- 019** Evaluation of Therapeutic Response to Radical Chemotherapy and Radiation Therapy in Patients with Cervical Cancer Using Volume CT Perfusion
Yue Dong / Department of Radiology, Cancer Hospital of China Medical University

11:00-11:50 (304)

5. Breast 1: Imaging Technique Mitsuhiro Tozaki

- 020** 'T2-Hyper Rim' and 'Delayed Rim' Signs in Breast Carcinoma: Subtype Discrimination
Roka Namoto Matsubayashi / Breast Care Center, Kyushu Medical Center
- 021** Comparison of Qualitative and Quantitative Assessment in Differentiating Benign from Malignant Breast Solid Masses with US Elastography
Tomouyuki Fujioka / Diagnostic Radiology, Tokyo Medical and Dental University

- 022** Evaluation of DW-MRI and 18FFDGPET for Early Prediction of Triple Negative Breast Cancer Response to Paclitaxel Treatment in Mouse Model
Huong Nguyen Thu / *Department of Diagnostic Imaging and Nuclear Medicine, Gunma university*
- 023** Ultrafast and High Spatial DCE-MRI with CAIPIRINHA-Dixon-TWIST-VIBE Technique for Breast Lesions: Quantitative Analysis of Pharmacokinetics Parameters
Tao Ai / *Department of Radiology, Tongji Hospital, Tongji Medical College of HUST*
- 024** Influence of Temporal Resolution on the Pharmacokinetic Analysis for Breast Lesions: Based on CAIPIRINHA-Dixon-TWIST-VIBE Technique
Tao Ai / *Department of Radiology, Tongji Hospital, Tongji Medical College of HUST*

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

6. Cardiovascular 1: Great vessel

Daisuke Utsunomiya

- 025** Chronological CT Imaging Changes of Ulcer-like Projections in Aortic Dissection
Kotomi Iwata / *Dept. of Radiology, Nippon Medical School*
- 026** Effect of Hypertension on the Distensibility of Ascending Aorta, Descending Aorta and Pulmonary Artery Using 640 Slice-Volume CT
Dawei Wang / *The First Affiliated Hospital of Hebei North University*
- 027** Clinical Application of Whole Aorta and Coronary CT Angiography Combined with Low Radiation Dose, Low Contrast Medium Dose Protocol
Yu Feng / *Department of Radiology, The First Affiliated Hospital of Sun Yat-Sen University*
- 028** Analysis of Elasticity Characteristics of Ascending Aorta, Descending Aorta and Pulmonary Artery Using 640 Slice-volume CT
Fei Yang / *Department of Medical Imaging, The First Affiliated Hospital of Hebei North University*
- 029** Analysis of Distensibility Characteristics of Left Anterior Descending Branch, Ascending Aorta, Descending Aorta and Pulmonary Artery Using 640 Slice-Volume CT
Fei Yang / *Department of Medical Imaging, The First Affiliated Hospital of Hebei North University*
- 030** Application of Prospective ECG-gated 640-slice CT Angiography of the Whole Aorta and Coronary Arteries in Stanford a Aortic Dissection
Zhenping Xiao / *Department of Radiology, General Hospital of Anshan Iron & Steel Group*

11:00-11:50 (311+312)

7. Cardiovascular 2: Coronary/Imaging technique

Kei Takase

- 031** The Effect of Heart Rate on Image Quality in Subtraction Coronary CT Angiography
Masafumi Kidoh / *Dept. of Radiology, Kumamoto University*
- 032** Withdrawn

- 033** The Clinical Value of Prospective ECG-triggered Dual-source CT Coronary Angiography for Children with Coronary Artery Lesion Due to Kawasaki Disease
Mingqing Kou / *Department of Medical Image, Shaanxi Provincial People's Hospital*

034 Withdrawn

- 035** The Effect of Bolus Tracking ROI Position within the Descending Aorta on Luminal Enhancement of the Coronary Arteries in CCTA
Ryo Kurokawa / *Department of Radiology, Graduate School of Medicine, The University of Tokyo*

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

8. Artificial intelligence

Hiroshi Kondoh

- 036** Artificial Intelligence Using Neural Network Architecture for Radiology (AINNAR): Competition of Classifiers in Detection of Metastasis on Head MRI
Tomoyuki Noguchi / *Dept. of Radiology, NCGM*
- 037** Development and Validation of Deep Learning Algorithms for Diagnosing Breast Cancers in Mammograms
Daiju Ueda / *Dept. Radiology, Osaka City University Graduate School of Medicine*
- 038** Development and Validation of Deep Learning Algorithms for Detecting Cerebral Aneurysms in MRA
Daiju Ueda / *Dept. Radiology, Osaka City University Graduate School of Medicine*
- 039** Artificial Intelligence Using Neural Network Architecture for Radiology (AINNAR): Classification of Head MR Imagings
Daichi Higa / *Dept. of Radiology, NCGM*
- 040** Artificial Intelligence Using Neural Network Architecture for Radiology (AINNAR): Competition of Classifiers in Classification of Computed Radiography
Yusuke Kawata / *Dept. of Radiology*
- 041** Three-dimensional Convolutional Neural Network for Detection of Traumatic Subarachnoid Hemorrhage on Non-contrast-enhanced Head CT Image
Takafumi Nemoto / *Dept. of Radiology, Keio University School of Medicine*

10:20-11:10 (313+314)

9. IT/Education/Miscellaneous

Naoki Mihara

- 042** Evaluation of EPRs Sharing System Using the Cloud Technologies as a next Generation PACS for Radiologists
Hiroshi Kondoh / *Div. Medical Informatics, Tottori University Hospital*
- 043** Improvement of Resident Education and Clinical Contribution by Modified Reading System Introducing "Triage Reader"
Yukinori Okajima / *Dept. of Radiology, Shinshu Univ. School of Medicine*
- 044** Improvement of Reading Efficiency by Modified Reading System "Triage Reader": Rearrangement of Workload Balance between Full- and Part-time Radiologists
Akira Yamada / *Dept. of Radiology, Shinshu Univ. School of Medicine*

045 Profit and Loss Statement for CT and MRI Examinations in the Radiology Department at the Hospital
Hiroshi Demachi / *Department of Diagnostic Radiology, Toyama Prefectural Central Hospital*

046 Item Response Theory in Radiology For "Post P<0.05 Era"
Mizuho Nishio / *Dept. of Diagnostic Imaging and Nuclear Medicine, Kyoto University Graduate School of Medicine*

9:50-10:40 (315)

10. Abdomen 1: Abdominal disease/Imaging technique Akihiro Nishie

047 Fat Suppressed Using Adiabatic Pulse 3D-T1WI with Combination of Parallel Imaging and Compressed Sensing on a Wide-bore 3T Unit
Motoyuki Katayama / *Dept. of Radiology, Seirei Hamamatsu General Hospital*

048 Gadoteric Acid-enhanced Dynamic MRI Using Combined Parallel Imaging and Compressed Sensing Reconstruction Compared with Conventional Methods
Nobuyuki Kawai / *Dept. of Radiology, Gifu University School of Medicine*

049 Optimal Window Setting in Dual-energy Monochromatic CT of the Abdomen
Yoshifumi Noda / *Department of Radiology, Gifu University*

050 Abdominal Complications Following Hematopoietic Stem Cell Transplantation – The Role of Imaging
Diana Foyedo Soares / *Department of Radiology, IPO-Porto*

051 Relative Electron Density Derived from Dual Energy CT in Abdominal Biphasic Enhanced Scanning
Lu Li / *Department of Radiology, China-Japan Friendship Hospital*

10:50-11:40 (315)

11. Abdomen 2: Gastrointestinal Yukihisa Saida

052 Factors Associated with Spicular Projections of Colon Cancer on Computed Tomography Colonography
Tsuyoshi Morimoto / *Dept. Radiology, St. Marianna University School of Medicine, Yokohama City Seibu Hospital*

053 Pseudo Continuous Arterial Spin Labeling Perfusion MRI of Rectal Cancer: Utility in Predicting Response to Neoadjuvant Chemotherapy
Yuichi Kumagai / *Dept. of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences*

054 Gastric Adenocarcinoma Mimicking Hilar Cholangiocarcinoma in a 4-Year-Old Girl
Wensri Sevni Kurniawati / *Department of Radiology, University of Hasanuddin*

055 Magnetization Transfer MRI Can Characterize the Degree of Intestinal Fibrosis in Patients with Crohn's Disease
Xuehua Li / *Department of Radiology, The First Affiliated Hospital of Sun Yat-Sen University*

056 Evaluation of Dual-Energy CT in Differentiating Metastatic from Non-metastatic Lymph Nodes in Primary Colorectal Cancer
Xiangran Cai / *Department of Radiology, Jinan university*

16:20-17:20 (304)

12. Abdomen 3: Liver disease Katsuyoshi Ito

057 Radiological Estimation of the Liver Fibrosis with a Routine CT Examination Based on Non-rigid Registration Technique
Akihiro Nishie / *Department of Clinical Radiology, Kyushu University*

058 Intraindividual Comparison of Double Arterial-phases Using Compressed Sensing Reconstruction with Conventional Single Arterial-phase for Gadoteric Acid Liver MR Imaging
Masataka Nakagawa / *Dept. of Radiology, Kumamoto University School of Medicine*

059 Quantitative Analysis of Liver Functional Reserve Using Gd-EOB-DTPA MR Imaging
Manduul Enkhjargal / *Department of Diagnostic Radiology and Nuclear Medicine, University of Gunma*

060 Correlation Study between Transient Hepatic Attenuation Differences in Left Hepatic Lobe and Hepatic Artery Variation by MSCT
Huanjun Wang / *Department of Radiology, First Affiliated Hospital of Sun Yat-Sen University*

061 Initial Study of One-Step Perfusion and Contrast-Enhanced CT Scan in Liver: Feasibility and Optimization
Peijie Lu / *Department of Radiology, The First Affiliated Hospital of Zhengzhou University*

062 Evaluation of Hepatic Warm Ischemia-reperfusion Injury in Rabbit Models: CT Perfusion Study
Qian Ji / *Department of Radiology, Tianjin First Central Hospital, Tianjin, China*

16:20-17:30 (311+312)

13. Cardiovascular 3: Heart Kakuya Kitagawa

063 Quantitative Evaluation of Ischemic Myocardium Using Dynamic CT: Comparison with ¹⁵O-H₂O PET
Chietsugu Katoh / *Faculty of Health Sciences, Hokkaido University*

064 Accuracy and Usefulness of CT Quantification of Myocardial Blood Flow: Comparison with ¹⁵O-water Positron Emission Tomography
Masafumi Takafuji / *Dept. of Radiology, Mie University Hospital*

065 Dynamic Computed Tomography Myocardial Perfusion: Comparison of Prognostic Significance of Absolute Value and Relative Value in Myocardial Blood Flow
Satoshi Nakamura / *Dept. of Radiology, Mie University Hospital*

066 Left and Right Ventricular Normal Flow Patterns and Their Energy Dynamics with 4D Flow MRI
Kousuke Nakaji / *Dept. of Radiology, Kyoto Prefectural University of Medicine*

067 The Meaning of Unenhanced Left Ventricular Wall in Non-ECG-gated Enhanced CT.; Is Our Diagnosis of "Myocardial Infarction" of Service?
Eiji Sugihara / *Dept. of Diagnostic imaging, Osaka General Medical Center*

068 Diagnostic Probing for Left Auricle Thrombus and Pre-thrombus Status through Low Dosage Dual-phase Cardiological Scanning
Hubing Duan / *Department of Radioactivity, People's Hospital of Inner Mongolia, China*

- 069** One-stop Stress Dynamic Myocardial CT Perfusion: Comparison with Conventional Invasive Coronary Angiography and Fractional Flow Reserve
 Yan Yi / Department of Radiology, Peking Union Medical College Hospital, Peking Union Medical College

April 14 (Sat.)

10:20-11:20 (302)

14. Chest 2: Diffuse lung disease Takeshi Johkoh

- 070** Continuous Measurement of the Bronchial Dimensions at 2nd-6th Generations and Lung Density on Four-dimensional Dynamic-ventilation CT in COPD and Non-smokers
 Shigetaka Sato / Dept. of Radiology, Shiga University of Medical Science
- 071** Diaphragmatic Motion Analysis during Forced Breathing Using Dynamic Chest Radiography: Comparison between COPD Patients and Normal Subjects
 Tomoyuki Hida / Dept. of Radiology, Brigham and Women's Hospital, Harvard Medical School
- 072** HRCT Features of Interstitial Lung Disease Patients with Antisynthetase Syndrome
 Atsushi Yoshida / Dept. of Radiology, Tenri Hospital
- 073** 3D Polka-dot Sign on 3D Images of Low-attenuation Area Extracted from Chest CT Can Indicate Lymphangiomyomatosis
 Akitoshi Saito / Dept of Radiology, Yamanashi Prefectural Central Hospital
- 074** CT Findings of Arc-Welders' Pneumoconiosis: Comparison with Silicosis
 Masashi Takahashi / Dept. of Radiology, Yujin-Yamazaki Hospital
- 075** Relationship between CT Activity Score with Lung Function and the Serum Angiotensin Converting Enzyme in Pulmonary Sarcoidosis on Chest HRCT
 Jianghui Duan / Department of Radiology, China-Japan Friendship Hospital

9:50-10:40 (304)

15. Head and neck 2: Temporal bone/

Miscellaneous Keiko Toyoda

- 076** The Visibility of Microstructures of the Temporal Bone Using Ultra-High Resolution CT
 Koji Yamashita / Department of Clinical Radiology, Graduate School of Medical Sciences, Kyushu University
- 077** Usefulness of Ultra-high-resolution CT for Improving Image Quality in Temporal Bone CT
 Hisae Shiga / Dept. of Radiology, Kyorin University Faculty of Medicine
- 078** Withdrawn
- 079** Auditory Pathway and Speech Center and Cochlear Implant Rehabilitation Using DTI
 Hanlin Wang / Department of Radiology, General Hospital of the Yangtze River
- 080** The Orbital Right Dose Scanning Technology of 320-row Volume CT
 Chongwen Mao / Second People's Hospital of Yunnan Province

10:50-11:50 (304)

16. Neuroradiology 1: Cervical vessel

Satoshi Terae

- 081** Prediction of Severe Stenosis of the Proximal Internal Carotid Artery by Cerebral MR Angiography
 Masashi Yasuike / Dept. of Radiology, Kyoto Prefectural University of Medicine
- 082** 4D Flow MRI Analysis of Cerebral Blood Flow before and after High-flow EC-IC Bypass Surgery for ICA Aneurysm
 Erika Orita / Dept. of Radiology, Nippon Medical School
- 083** Quantitative Susceptibility Mapping of Carotid Atherosclerotic Plaque
 Yohei Ikebe / Dept. of Radiology, Nagasaki University Hospital
- 084** Type 2 Diabetes Is Related to Increased Carotid Plaque Inflammation—A Novel Finding of Dynamic Contrast-enhanced MR Imaging
 Beibei Sun / Department of Radiology, Ren Ji Hospital, School of Medicine, Shanghai Jiao Tong University
- 085** Relationship between Clinical Symptoms and Carotid Plaque Composition Evaluated with 320 Detector CT Angiography
 Hongliang Sun / Department of Radiology, China-Japan Friendship Hospital
- 086** Association between Hemodynamic Depression during Carotid Angioplasty Stenting and Carotid Artery Plaque Composition Evaluated by 320-detector CT
 Yanyan Xu / Department of Radiology, China-Japan Friendship Hospital

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

17. Nuclear Medicine 1: Tumor/PET1

Seigo Kinuya

- 087** Clinical Efficacy of 68Ga-DOTATOC-PET/CT for Detection of Ectopic ACTH-producing Tumors
 Yuji Nakamoto / Dept. of Radiology, Kyoto University Hospital
- 088** Quantitative Analysis of a Newly-developed Mobile PET Scanner According to Three Different Layouts of Detectors
 Masao Watanabe / Dept. of Diagnostic Imaging and Nuclear Medicine, Kyoto University
- 089** Heterogeneity of HPV Positive and Negative Oropharyngeal Squamous Cell Carcinoma by FDG PET/CT
 Brent J. King / Department of Radiology, University of Texas Southwestern Medical Center
- 090** Synthesis and Evaluation of Tc-99m and Fluorescence Labeled Elastin-Derived Peptide for Multimodal Tumor Imaging in Murine Tumor Model
 Dae-Weung Kim / Department of Nuclear Medicine and Research Unit of Molecular Imaging Agent (RUMIA), Wonkwang University School of Medicine

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

18. Nuclear Medicine 2: Tumor/PET2

Makoto Hosono

- 091** Value of Volumetric Analysis of 18F-FDG-PET/CT for Predicting the Risk of Recurrence in Differentiated Thyroid Cancer after Total Thyroidectomy
 Masatoyo Nakajo / Department of Radiology, Kagoshima Prefectural Oshima Hospital

- 092** Evaluation of Various FDG Uptake of Left Ventricular Myocardium in FDG-PET Study
Tatsuya Yoneyama / *Thyroid, Public Central Hospital of Mattou Ishikawa*
- 093** Positron Emission Tomography (PET) Imaging of Vascular Endothelial Growth Factor (VEGF) with ⁶⁴Cu-labeled Bevacizumab in Endometriosis Mouse Model
Amartuvshin Tumenjargal / *Department of Diagnostic radiology and Nuclear medicine, Graduate School of Medicine, Gunma University*
- 094** Iodine 125 Labeling of FABP4 Aids in Exploring Mechanism of Its Clearance from Circulation
Suman Shrestha / *Department of Radiology and Nuclear Medicine, Gunma University*

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

19. Nuclear Medicine 3: Tumors/PET3

Yoshihiro Nishiyama

- 095** Changes of FDG-PET Parameters after Carbon-ion Radiotherapy in Patients with Pancreatic Cancer
Ryuichi Nishii / *Dept. of Molecular Imaging and Theranostics, NIRS*
- 096** Influence of Severe Chronic Hyperglycemia for Diagnostic Performance in FDG-PET/CT
Kousuke Kitaguchi / *Dept. Radiology, Kyoto University Graduate School of Medicine*
- 097** Selected PET Radiomic Features Remain the Same: Clinical Validation with PET/CT & PET/MRI
Tetsuya Tsujikawa / *Biomedical Imaging Research Center, University of Fukui*
- 098** Quantitative Fluctuation of a New Bayesian Penalized-Likelihood Reconstruction Algorithm in Ga-68 DOTATOC PET/CT
Takayoshi Ishimori / *Dept. of Diagnostic Imaging and Nuclear Medicine, Graduate School of Medicine, Kyoto University*
- 099** Radiolabeled Peptide for Apoptosis Imaging
Citra R. A. P. Palangka / *Department Diagnostic Radiology and Nuclear Medicine*

9:10-10:00 (313+314)

20. Radiation Oncology 1: Head/Neck

Etsuo Kunieda

- 100** High Dose Radiation Therapy to High Grade Glioma Did Not Improve Patient Outcome: Retrospective Study
Akihiro Nomoto K / *National Institute of Radiological Sciences Hospital*
- 101** Prognostic Impact of Local Treatment in Brain Metastases from Gastrointestinal and Hepatobiliary Cancer
Hirotake Saito / *Dept. of Radiology and Radiation Oncology, Niigata Univ. Graduate School of Medical and Dental Sciences*
- 102** Initial Experiences of Single-isocenter Volumetric Radiosurgery for Patients with Multiple Brain Metastases
Megumi Uto / *Dept. Radiation Oncology and Image-applied Therapy, Kyoto University Graduate School of Medicine*
- 103** A Retrospective Study of 3D-CRT/IMRT and Concomitant Intra-arterial Chemotherapy for Maxillary Sinus Carcinoma
Jun Hashiba / *Dept. of Radiology, Chiba University Hospital*

- 104** Intra-arterial Chemotherapy (IACT) Combined with Radiotherapy for Locally Advanced Tongue Cancer; Using a New Device: ECAS (External Carotid Arterial Sheath)
Miwako Nomura / *Dept. of Radiation Oncology, Ise Red Cross Hospital*

10:10-11:10 (313+314)

21. Radiation Oncology 2: Chest Takashi Uno

- 105** A Phase I Clinical Trial of Proton Beam Therapy for Patients with Early Breast Cancer
Takeshi Arimura / *Medipolis Proton Therapy and Research Center*
- 106** A Phase III Study of Durvalumab in Patients with Stage III, Locally Advanced, Unresectable NSCLC: PACIFIC
Takayasu Kurata / *Dept. of Respiratory Oncology, Kansai Medical University Hospital*
- 107** Reticular Shadow Could Be Correlated with Risk of Radiation Pneumonitis after Radiation Therapy of Lung Cancer
Hideaki Miyazaki / *Dept. of Radiology, Juntendo University School of Medicine*
- 108** Respiratory Signal Prediction during Respiratory-gated Radiotherapy
Hisashi Johno / *Dept. of Radiology, Univ. of Yamanashi*
- 109** Evaluation of Positional Differences between Bone-Matching and Fiducial-Marker-Matching in Target Localization of Expiratory Breath-Hold Radiation Therapy for Pancreatic Cancer
Ryo Ashida / *Dept. of Radiation Oncology and Image-applied Therapy, Kyoto University Graduate School of Medicine*
- 110** Comparison of Radiation Dermatitis between Hypofractionated and Conventional Fractionation Post-operative Radiotherapy in Patients with Breast Cancer
Hideya Yamazaki / *Department of Radiology, Kyoto Pref. Medical School*

9:10-10:00 (315)

22. Interventional Radiology 1: Artery/Vein

Osamu Ikeda

- 111** In-stent Restenosis Evaluation Using an Ultra-high Resolution CT Scanner with 160-detector Rows of 0.25-mm Section Thickness: A Phantom Study
Hiromitsu Onishi / *Dept. of Radiology, Osaka University Graduate School of Medicine*
- 112** Efficacy of Preoperative Planning for TEVAR Based on the Greater Curvature Measurement Using Virtual Stentgraft Image
Shinichi Iwakoshi / *Dept. of Radiology, Nara Medical University*
- 113** The Patency after Vascular Access Intervention Therapy (VAIVT) Using Carbon Dioxide Digital Subtraction Angiography (CO₂-DSA) in Hemodialysis Patients
Yutaro Tasaki / *Department of Radiology, Nagasaki University Hospital*
- 114** Evaluation of Removal of Central Venous Port System
Masanori Yamashita / *Dept. of Radiology, Kyoto Prefectural University of Medicine*
- 115** Key to Success with IVC Filter Removal
Georgia Priona / *Department of Radiology, Royal Victoria Infirmary*

10:10-11:10 (315)

23. Interventional Radiology 2: Embolization/**Puncture**

Sojiro Morita

- 116** Outcomes of Transcatheter Arterial Embolization for Controlling Acute Extraperitoneal Hemorrhage
Mitsuteru Tsuchiya / *Dept. of Radiology, Seirei Hamamatsu General Hospital*
- 117** The Relationship between Gelatin Sponge Preparation Methods and the Incidence of Intrauterine Synechia Following Uterine Artery Embolization for Postpartum Hemorrhage
Atsushi Saiga / *Dept. of Radiology, Chiba University Hospital*
- 118** Clinical Results of Transarterial Embolization for Spontaneous Intramuscular Hematomas
Yasuyuki Ono / *Dept. of Radiology, Kansai Medical University*
- 119** Evaluation of CT-guided Percutaneous Drainage for Postsurgical Abscess Following Lower Gastrointestinal Tract Surgery
Yutaka Ueno / *Dept. of Radiology, Kansai Medical University*
- 120** Clinical Significance of Prophylactic Embolotherapy of Lower Gastrointestinal Bleeding in Left Ventricular Assist Device Recipients
Shihong Li / *Department of Radiology, University of Iowa*
- 121** Comparison of Percutaneous Co-axial Cutting Needle and Fine Needle Aspiration Techniques in CT-guided Lung Biopsy
Haibo Zhang / *Department of Radiology, China-Japan Friendship Hospital*

14:10-15:10 (301)

24. Uroradiology 1: Vessel/Urinary tract

Takuji Araki

- 122** Dynamic Contrast MR Imaging of Renal Vasculature Using Fatsat-DISCO with Simultaneous Injection of Gadobutrol and Saline
Takahiro Yamada / *Dept. of Radiology, Seirei Hamamatsu General Hospital*
- 123** Determination of Glomerular Filtration Rate from Fractional Renal Accumulation of Iodinated Contrast Material: A Technique Development and Validation Study
Ning Wu / *Department of Radiology, the 309th Hospital of Chinese People's Liberation Army*
- 124** Single-kidney Glomerular Filtration Rate (GFR): Measurement from the Combination of Computed Tomography (CT) and Serum Creatinine (SCr)
Tingting Ma / *Department of Radiology, the 309th Hospital of Chinese People's Liberation Army*
- 125** Hollowed Adrenal Gland Sign in Patients of Septic Shock: Prevalence, CT Appearance and Consequence
Jian Guan / *Department of Radiology, First Affiliated Hospital of Sun Yat-Sen University*
- 126** Withdrawn
- 127** Multiple-phase CT Volume-rendered Reconstruction and Image Fusion for Displaying Pelvic Vas Deferens and Adjacent Structure: Preliminary Study
Huanjun Wang / *Department of Radiology, First Affiliated Hospital of Sun Yat-Sen University*

15:20-16:20 (301)

25. Uroradiology 2: Tumor

Yasuyuki Yamashita

- 128** Review of Radiological Size Classifications of Renal Cell Carcinoma: Are New Grading Criteria Required?
Fumiyasu Tsushima / *Dept. of Radiology, Hirosaki University School of Medicine*
- 129** Assessment of Tumor Detection and Aggressiveness of Prostate Cancer: Evaluating with the Pharmacokinetic Parameters Derived from Dynamic Contrast-enhanced MR Imaging
Akira Yamamoto / *Dept. of Radiology, Kawasaki Medical School*
- 130** Measurement on 3D-FSE-T2WI Is Useful to Predict Early Recovery of Continence after Radical Prostatectomy in Patients with Prostate Carcinoma
Tatsuya Shimizu / *Department of Radiology, University of Yamanashi*
- 131** Utility of Whole-Lesion Apparent Diffusion Coefficient Analysis for Predicting Outcomes of Patients with Prostate Cancer on Active Surveillance
Tutomu Tamada / *Dept. of Radiology, Kawasaki Medical School*
- 132** Withdrawn
- 133** Differentiation between Small Clear Cell Renal Cell Carcinoma and Renal Oncocytoma Using Texture Analysis with CT
Haibo Zhang / *Department of Radiology, China-Japan Friendship Hospital*

14:10-15:10 (303)

26. Abdomen 4: GB/Biliary tract

Kazuhiko Ueda

- 134** Influence of Cholecystectomy on the Flow of Bile in the Bile Duct: Assessment by Cine-dynamic MRCP with Spatially-selective IR Pulse
Hidemitsu Sotozono / *Dept. of Radiology, Kawasaki Medical School*
- 135** CT Findings of Ceftriaxone Associated Pseudolithiasis
Rika Yoshida / *Dept. of Radiology, Shimane University, Faculty of Medicine*
- 136** Magnetic Resonance Cholangiopancreatography with Combined Parallel Imaging and Compressed Sensing Reconstruction Compared with Conventional MRCP
Shoma Nagata / *Dept. of Radiology, Gifu university, School of Medicine*
- 137** Gradient and Spin Echo Technique in MRCP: Comparison of Image Quality and Image Acquisition Time with Conventional 3D TSE Sequence
Morikatsu Yoshida / *Dept. of Radiology, Amakusa Medical Center*
- 138** Evaluation of Influence of Oral Ingestion in Flow Dynamics of Bile with Cine Dynamic MRCP and Spatially Selective IR Pulse
Takeshi Fukunaga / *Department of Radiology, Kawasaki Medical School*
- 139** Withdrawn

15:20-16:00 (303)

27. Abdomen 5: Pancreas/Spleen

Satoshi Goshima

- 140** Radiological Findings and Risk Factors of the Hepatic Infarctions after Pancreatoduodenectomy
Daisuke Shindo / *Dept. of Diagnostic and Interventional Radiology, Osaka City University Graduate School of Medicine*
- 141** Extracellular Volume Fraction of the Pancreas Is Elevated in Patients with Chronic Hepatitis C: Preliminary Data
Keiko Sakamoto / *Dept. of Radiology, Fukuoka University*
- 142** A Clinical Study of CT Perfusion Imaging of Microcirculatory Changes in Acute Pancreatitis
Xiao long Chen / *Department of CT, Shaanxi Provincial People's Hospital*
- 143** Management of Splenic Trauma over 5 Years at a UK Major Trauma Centre (MTC)
James Y Graham / *Department of Radiology, Royal Victoria Infirmary, Newcastle, UK, NE1 4LP*

14:10-15:20 (304)

28. Musculoskeletal

Hajime Fujimoto

- 144** Quantitative Analysis of Metacarpophalangeal Joint Space Volume in Rheumatoid Arthritis on HR-pQCT Imaging
Nozomi Oki / *Department of Radiological Sciences, Nagasaki University Graduate School of Biomedical Sciences*
- 145** To Evaluate Radiographic Changes of Pre- and Post-CIRT: Which Parameter Is Useful for Evaluating Post-CIRT Patient Prognosis
Wataru Anno / *Dept. of Diagnostic and Interventional Radiology, Kanagawa Cancer Center*
- 146** Ectopic Gas in the Fibular Graft after Anterior Cervical Corpectomy and Fusion (ACCF)
Asae Nozawa / *Dept. of Radiology, Gifu University School of Medicine*
- 147** Anatomical Evaluation on CT for Bone Marrow Aspiration and Biopsy
Ikumi Igarashi / *Dept. of Radiology, Shizuoka Medical Center*
- 148** Study of Scanning Methods on the Effects of SEMAR to Reduce Beam Artifact Caused by Hip Prosthesis
Liu Yang / *Tianjin First Center Hospital*
- 149** Initial Study of SEMAR Technology: Reduction of Metal Artifacts of Pelvic CT in Patients with Hip Prosthesis
Jing Yu / *Department of Radiology, Tianjin First Center Hospital*
- 150** The Value of a New Single Energy Metal Artifact Reduction Algorithm in Post-surgery Follow-up of Patients with Hip Tumor Prostheses
Lei Ding / *Department of Radiology, the First Affiliated Hospital of Sun Yat-sen University*

13:00-14:10 (311+312)

29. Chest 3: Lung blood flow/Anatomy

Shuichi Ono

- 151** Evaluation of the Branching Pattern of the Left Upper Pulmonary Veins Using Thin-section CT and Three-dimensional CT
Makiko Murota / *Dept. of Radiology, Faculty of Medicine, Kagawa University*

- 152** Evaluation of the Branching Pattern of the Left Lower Pulmonary Veins Using Thin-section CT and Three-dimensional CT
Mariko Ishimura / *Dept. of Radiology, Faculty of Medicine, Kagawa University*

- 153** Quantitative CT Evaluation of Small Pulmonary Vessels in Patients with Acute Pulmonary Embolism
Shoichiro Matsushita / *Dept. of Radiology, St. Marianna University School of Medicine*

- 154** The Clinical Value of 4D Flow for Estimating mPAP in CTEPH Patients
Shigeo Okuda / *Dept. of Radiology, Keio University School of Medicine*

- 155** Utility of Single-energy Metal Artifact Reduction (SEMAR) on Helical Lung Computed-tomography in Patients with Pulmonary Arteriovenous Malformation after Coil Embolization
Yudai Asano / *Dept. of Radiology, Okayama University Hospital*

- 156** Comparison of Spectral CT and Conventional CT in Bronchial Artery Imaging Quality
Zhi Y. Zhou / *Department of Radiology, The Fourth Hospital of Harbin Medical University*

- 157** 320-row Volume CT Pulmonary Angiography Using Double Low Technique in the Diagnosis of Pulmonary Embolism: A Preliminary Study
Xiao J. Fu / *Department of Radiology, Harbin Medical University*

14:20-15:20 (311+312)

30. Chest 4: Image analysis

Shin Matsuoka

- 158** Efficiency of Lung Volume Measurements Using CT Auto-segmentation Technique in Acute Respiratory Distress Syndrome (ARDS)
Akira Nishiyama / *Diagnostic Radiology and Radiation Oncology, Graduate School of Medicine, Chiba University*

- 159** Continuous Measurement of Main Bronchial Dimensions and Mean Density in Upside and Downside Lung on Dynamic-Ventilation CT at Lateral Position
Yukihiro Nagatani / *Dept. of Radiology, Shiga University of Medical Science*

- 160** 3D Computer-Aided Diagnosis System on Thin-Section CT: Quantitative Assessment of Disease Severity and Therapeutic Response in Patients with Polymyositis/ Dermatomyositis
Yoshiharu Ohno / *Dept. of Radiology, Kobe University Graduate School of Medicine*

- 161** Computer-based Computed Tomography Analysis for Detecting Interstitial Lung Disease; A Prospective Study
Shota Takehara / *Kanagawa Cardiovascular and Respiratory Center*

- 162** Quantitative Analysis Using Paired Inspiratory and Expiratory CT for Differentiating Cystic Lung Diseases
Kazuhiro Suzuki / *Dept. of Radiology, Juntendo Univ*

- 163** The Radiomics Prognostic Score (RadScore): The New Prognostic Imaging Biomarker after Stereotactic Body Radiation Therapy in Patients with Lung Cancer
Suguru Wakana / *Post graduate clinical training center, Univ. of Yamanashi*

13:00-14:10 (313+314)

31. Neuroradiology 2: Imaging technique

Yukio Miki

- 164** Deviation of Intracranial Structures Depending on the Posture: Evaluation in Healthy Population Using a 320-detector Row Upright CT
Yoichi Yokoyama / Department of Diagnostic Radiology, Keio University School of Medicine
- 165** The Application of Combined Parallel Imaging and Compressed Sensing Reconstruction Technique to Synthetic MRI
Yukichi Tanahashi / Dept of Radiology, Gifu University Hospital
- 166** Comparison of Magnetization Transfer Ratio between Two Magnetic Units
Yasutaka Fushimi / Department of Diagnostic Imaging and Nuclear Medicine, Kyoto University Graduate School of Medicine
- 167** Effects of GdCl₃ or GBCAs on Hippocampal Synaptic Transmission
Odgerel Zorigt / Department of Diagnostic Radiology and Nuclear Medicine, University of Gunma
- 168** Usefulness of Turbo Spin-echo Diffusion-weighted Imaging for Evaluating Various Pituitary Lesions
Zaw Aung Khant / Department of Radiology, University of Miyazaki
- 169** Withdrawn
- 170** Withdrawn

14:20-15:20 (313+314)

32. Neuroradiology 3: Cerebrovascular

Makoto Sasaki

- 171** Assessment of Extracranial-Intracranial Bypass for Intracranial Major Trunk Stenoocclusive Lesions by Whole-Brain Vessel Wall Imaging
Kazuhiro Tsuchiya / Dept. of Radiology, Saitama Medical Center, Saitama Medical University, Saitama, Japan
- 172** Chronic Intracranial Artery Stenosis: Comparison of Whole-brain Arterial Spin Labeling with CT Perfusion
Bing Tian / Department of Radiology, Changhai hospital of Shanghai
- 173** Withdrawn
- 174** Optimization Plan Exploration for Head and Neck CTA about Using 320-slice Volume CT
Chongwen Mao / The Second People's Hospital of Yunnan Province
- 175** Clinical Value of Head CTA Combined with ECG Gating in Evaluating the Stability of Cerebral Aneurysms
ShaoDong Cao / Harbin Medical University
- 176** Value of 320-row Dynamic CT Angiography in the Diagnosis of Spinal Vascular Malformation
Jia Ni Zou / Department of Radiology, Wuhan General Hospital of People's Liberation Army

15:30-16:30 (313+314)

33. Neuroradiology 4: Tumor

Takashi Yoshiura

- 177** Machine Learning for Prediction of Glioma Grade on Unenhanced Brain Computed Tomography
Hiroyuki Uetani / Department of Diagnostic Radiology, Graduate School of Medical Sciences, Kumamoto University
- 178** Histogram Analysis of Amide Proton Transfer-weighted Imaging: Comparing Glioblastoma and Metastatic Brain Tumor in Enhancing Tumors and Peritumoral Regions
Kiyohisa Kamimura / Dept. of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences
- 179** Feasibility of Amide Proton Transfer MR Imaging for Differentiation between Glioblastomas and Primary Central Nervous System Lymphomas
Masanori Nakajo / Department of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences
- 180** A Deep Learning Approach for Automated Brain Tumor Detection Using T2WI with Single Shot Multibox Detector, Preliminary Study
Takashi Abe / Dept. of Radiological Sciences, School of Medicine, UCLA
- 181** Improvement in Automated Detection of Brain Tumor Using Deep Learning: 2nd Report
Takashi Abe / Dept. of Radiological Sciences, David Geffen School of Medicine, UCLA
- 182** Withdrawn

13:00-13:50 (315)

34. Interventional Radiology 3: Hepatobiliary/Pancreas

Koichiro Yamakado

- 183** Comparison between Superselective Transarterial Chemoembolization with 3D-safety Margin and Radiofrequency Ablation for Solitary Small Hepatocellular Carcinoma
Hideyuki Nishiofuku / Dept. of Radiology, IVR Center, Nara Medical University
- 184** Short-term Outcomes of Transarterial Chemoembolization (TACE) with CDDP-loaded HepaSpheres and Porous Gelatin Particles for Hepatocellular Carcinoma from a Single-Center Experience
Noboru Maeda / Dept. of Diagnostic and Interventional Radiology, Osaka International Cancer Institute
- 185** Development of Pumping Emulsification Device with Glass Membrane to Form Ideal Lipiodol Emulsion in Transarterial Chemoembolization
Toshihiro Tanaka / Dept. of Radiology, IVR Center, Nara Medical Univ.
- 186** Technical Outcomes of Endovascular Tracking Marker Implantation for Real Time Tracking Irradiation for Pancreatic Cancer
Akira Imaizumi / Dept. of Radiology, University of Yamaguchi
- 187** Transcatheter Embolization for Postpancreatectomy Hemorrhage
Yuto Chanoki / Dept. of Radiology, IVR Center, Nara Medical University

14:10-15:10 (315)

35. Interventional Radiology 4: Oncology

Yasuaki Arai

- 188** Efficacy of Intra-arterial Bi-weekly Infusion with Concomitant Radiotherapy for Advanced Maxillary Sinus Cancer
Soma Kumasaka / Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma University Hospital
- 189** Therapeutic Results of Intra-arterial Chemoradiotherapy for Symptomatic Bulky Lymph Node Metastasis: Initial Experience
Joichi Heianna / Dept. of Radiology, University of the Ryukyus Graduate School of Medical Science
- 190** Usefulness of Modified RENAL Nephrometry Score in Predicting Renal Function after Cryotherapy for Renal Masses
Yoshiki Asayama / Department of Advanced Imaging and Interventional Radiology, Kyushu University
- 191** Investigation of Effects of Body Temperature Decrease by Cryotherapy for Renal Cancer
Shinji Saruya / Dept. of Radiology, Kyoto Prefectural University of Medicine
- 192** Palliative Local Chemotherapy for Symptomatic Pelvic Metastases
Akihiko Seki / Dept. of Medical oncology, Suita Tokushukai Hospital
- 193** Quantitative Analysis of Perfusion CT Allows Prediction of Treatment Response in Renal Tumors Treated by Cryoablation
Oyunbold Lamid-Ochir / Department of Diagnostic Radiology and Nuclear Medicine, Gunma University Graduate School of Medicine

15:20-16:20 (315)

36. Interventional Radiology 5: Neuro

Daisuke Itoh

- 194** Plaque Protrusion during Carotid Artery Stenting: Risk Factors Determined by MR Plaque Imaging
Katsutoshi Takayama / Department of Radiology and Interventional neuroradiology, Ishinkai Yao General Hospital
- 195** Endovascular Therapy for Vertebral Arteriovenous Fistula: Types and Procedures
Satoshi Takahashi / Dept. of Radiology, Akita University School of Medicine
- 196** Effectiveness of Evaluation with DynaCT System for Intra-arterial Chemotherapy for Advanced Head and Neck Cancers: Comparison with Angio-CT System
Takeshi Wada / Dept. of Radiology and IVR center, Nara Medical University
- 197** Percutaneous Vertebroplasty Is a Safe and Effective Treatment for Super Elderly Patients with Vertebral Fractures
Shunsuke Kamei / Dept. of Radiology, NCGM
- 198** MR-guided Focused Ultrasound (MRgFUS) Vim Thalamotomy for Essential Tremor : A Single Center Experience with a One-year Follow up
Toshio Yamaguchi / Research Institute for Diagnostic Radiology, Shin-yurigaoaka General Hospital

- 199** MR-guided Focused Ultrasound (MRgFUS) Vo Thalamotomy for Focal Hand Dystonia (Musician's Dystonia) : A Pilot Study
Toshio Yamaguchi / Research Institute for Diagnostic Radiology, Shin-yurigaoaka General Hospital

April 15 (Sun.)

9:10-10:10 (303)

37. Neuroradiology 5: Brain disease Osamu Abe

- 200** Pre-Wallerian Degeneration on Diffusion Weighted Image (DWI) in To-term Neonates with Hypoxic-ischemic Encephalopathy (HIE)
Katsumi Hayakawa / Department of Diagnostic Radiology, Red Cross Kyoto Daiichi Hospital
- 201** A Quantitative Evaluation of Rapid Eye Movement Sleep Behavior Disorder Using Quantitative Susceptibility Mapping and Neuromelanin Imaging
Masahiro Fujiwara / Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine
- 202** Evaluation of the Glymphatic System by Commissural Fiber Based DTI Analysis along Perivascular Space (Commissural DTI-ALPS)
Toshiaki Taoka / Dept. of Radiology, Nagoya University
- 203** Assessment of Skin Folds on the Scalp in GH-producing Pituitary Adenomas
Kosuke Hida / Department of Radiology, Fukuoka University
- 204** Combined Application of Multi-parameter Semiquantitative ASPECTS to Assess Infarction Severity in Acute Ischemic Stroke
Juan Chen / Department of Radiology, Beijing Hospital
- 205** Sexual Dimorphism in Gray Matter-to-White Matter and Gray Matter-to-Cerebrospinal Fluid Volumetric Ratios from MRI Human Brain Images
Ali Bourisly / Biomedical Engineering Unit, Department of Physiology, Faculty of Medicine, Kuwait University

10:20-11:20 (303)

38. Cardiovascular4: Coronary disease

Daisuke Utsunomiya

- 206** Effect of the Pulmonary Circulation on the Quality Image in Coronary Computed Tomography Angiography (CCTA)
Tien Nguyen-Cong / Department of Diagnostic Radiology and Nuclear Medicine, Gunma University Graduate School of Medicine
- 207** Diagnostic Value of 320-detector Row CCTA for Coronary Artery Disease with Total Occlusion
Xiu T. Wang / Department of Radiology, Harbin University
- 208** Withdrawn
- 209** Application Research of Temporal Resolution-Cardiac Cycle Characteristic Curve in CT Coronary Angiography
Ping Xia / Department of Radiology, The Central Hospital, Xuzhou, China
- 210** The Influence of Adrenal Adenoma on the Formation of Coronary Atherosclerotic Plaque
Bo Li / Department of Radiology, Daqing People's Hospital

- 211** Characteristics of Type 2 Diabetics with Coronary Artery Disease: Evaluation by 320-row Coronary CT Angiography According to Different Diabetic Duration
Xiao J. Fu / *Department of Radiology, Harbin Medical University*

9:10-10:00 (304)

39. Nuclear Medicine4: Cardiovascular

Tadaki Nakahara

- 212** Usefulness of Regional Phase Analysis in Monitoring Pre- and Post- Percutaneous Coronary Intervention (PCI) in Patients with Ischemic Heart Disease
Tamasa Terada / *Dept. of Radiology, Miyazaki University*
- 213** FDG-PET in the Patients with Ventricular Assist Device: Non-pathological FDG Uptake and Drive-line Infection
Takuro Isoda / *Department of Clinical Radiology, Graduate School of Medical Sciences, Kyushu University*
- 214** Effects of Steroids on Liver FDG Uptake : Measurement of Metabolic Volume of Cardiac Sarcoidosis
Sho Furuya / *Dept. of Radiology, Hokkaido University Hospital*
- 215** Simultaneous Assessment of Myocardial Blood Flow and Left Ventricular Function with N-13 Ammonia ECG-gated PET
Noriyuki Shuke / *Dept. of Radiology, Kushiro Kojinkai Memorial Hospital*
- 216** The Comparison of Quantitative SPECT/CT Scoring of MIBG Cardiac Scintigraphy and the Heart-to-mediastinum Ratio in IQ-SPECT System
Hiroshi Mori / *Dept. of Nuclear Medicine, Kanazawa University Hospital*

10:10-10:40 (304)

40. Nuclear Medicine5: Neuro Hiroshi Matsuda

- 217** The Association between rCBF Asymmetrical Index on Early FP-CIT SPECT and Laterality of SBR of Striatum in Parkinson's Disease
Masanari Nonokuma / *Dept. of Radiology, Fukuoka University School of Medicine*
- 218** Usefulness of Quantitative Parameter of the Caudate on 123I-ioflupane SPECT in Diagnosing Parkinson's Disease
Yoichi Mizutani / *Radiology, Faculty of Medicine, University of Miyazaki*
- 219** Is the Disease Specific rCBF Parameters Available for Diagnosing for Alzheimer's Disease with Unilateral Blood Flow Decrease?
Shinji Tanaka / *Dept. of Radiology, Fukuoka University School of Medicine*

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

41. Pediatric

Kumiko Nozawa

- 220** Dual Source Computed Tomography for Infants with Congenital Cardiovascular Disease without ECG Triggering: Clinical Usefulness and Reducing Radiation Dose
Natsuhiko Saito / *Dept. of Radiology, Nara Medical University School of Medicine*
- 221** Incidental Findings on Torso CT in Pediatric Trauma Patients
Takeshi Miura / *Dept. of Radiology, National Center for Child Health and Development*

- 222** Evaluation of the Pediatric Pulmonary Diseases by MR Imaging with Ultra-short Echo Time (UTE-MRI): Preliminary Clinical Study
Yoshiko Matsubara / *Dep. of Radiology, Hiroshima University Hospital*

- 223** Mediastinal Soft Tissue Mass in Congenital Unilateral Pulmonary Vein Atresia: A Retrospective Review of Seven Cases

Reiko Okamoto / *Dept. of Radiology, National Center for Child Health and Development*

- 224** Biliary Duct Visualization Using Gd-EOB-DTPA in Pediatric Patients: Correlation with Liver Function
Mikiko Miyasaka / *Dept. of Radiology, National Center for Child Health and Development*

- 225** Specific CT Characteristics of Classic Congenital Mesoblastic Nephroma and Correlation with Ultrasound and Pathology

Yingqian Chen / *Department of Radiology, First Affiliated Hospital of Sun Yat-sen university, China*

10:20-11:00 (311+312)

42. Imaging modality/Technique

Chietsugu Katoh

- 226** Ultrahigh-resolution Computed Tomography and Model-based Iterative Reconstruction Improved Detectability of Small Abdominal Vessels in a Phantom
Hiroyuki Morisaka / *Diagnostic Radiology of Saitama International Medical Center*

- 227** Clinical Application of One New CT Body Surface Locating Ring

Fei Yang / *Department of Medical Imaging, The First Affiliated Hospital of Hebei North University*

- 228** MR Examination on Patients with MR-conditional Cardiac Device: Time and Cost

Shoko Abe / *Dept. of Radiology, Shizuoka Medical Center*

- 229** Photoacoustic Imaging of Hand Arteries Compared with Non-contrast Magnetic Resonance Angiography
Masako Kataoka / *Dept. of Radiology, Kyoto University*

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

43. Contrast material/Basic/Miscellaneous

Yoshito Tsushima

- 230** Molecular Mechanism of Osteoblast Differentiation Regulated by Icaritin

Zengfa Huang / *Department of Radiology, The Central Hospital of Wuhan, Tongji Medical College, Huazhong University of Science and Technology, Wuhan 430014, China*

- 231** Analysis of GBCAs Deposition Mechanism in Mice Following Single Dose Administration

Putri Andriana / *Department of Diagnostic Radiology and Nuclear Medicine, Gunma University*

- 232** Lung Weight Estimation Using Postmortem CT in Forensic Cases

Hideki Hyodoh / *Cause of death investigation, Hokkaido University Faculty of Medicine*

- 233** Advances in Imaging Research on Multiple Organ Dysfunction of Paraquat Poisoning

Rongqing Sun / *The Fourth Affiliated Hospital of Kunming Medical University*

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

44. Chest5: Lung disease Yoshiharu Ohno

- 234** Radiation Sensitivity of Patients with past History of Lung Cancer
Hiroaki Sakane / Dept. Radiology, Hiroshima University Graduate School of Medicine
- 235** Computer-aided Diagnosis of Lung Nodule Using Deep Convolutional Neural Network: Usefulness of Transfer Learning
Mizuho Nishio / Dept. of Diagnostic Imaging and Nuclear Medicine, Kyoto University Graduate School of Medicine
- 236** Differentiation between Malignant and Benign Pulmonary Lesions with Electron Density and Effective Z Using Dual-Energy CT Imaging
Xiaoliang Chen / Department of Radiology, China-Japan Friendship Hospital
- 237** 3.0T MRI for Long-term Observation of Lung Nodules Post Cryoablation: A Pilot Study
Jing Li / Department of Radiology, Henan Cancer Hospital
- 238** Study on the Relationship between Cavity Contraction Percentage and Benign and Malignant Cavities
JianXia Cao / Department of Radiology, the 309th Hospital of Chinese People's Liberation Army
- 239** Ground-Glass Nodules at First-pass Dual-input Perfusion CT: Histopathologic Comparisons on the Origin and Quantity of Blood Supply
Su Wang / Department of Radiology, the 309th Hospital of Chinese People's Liberation Army

10:20-11:20 (313+314)

45. Chest6: Imaging technique

Hidetake Yabuuchi

- 240** Pulmonary Emphysema Quantification on CT at 7mAs Using AIDR3D and Association with Body Habitus: Comparison with 84 and 42mAs
Yukihiro Nagatani / Dept. of Radiology, Shiga University of Medical Science
- 241** Effect of Matrix Size on the Image Quality of Ultra-High Resolution CT of the Lung
Akinori Hata / Dept. Radiology, Osaka University Graduate School of Medicine
- 242** 3D Lung Motion Assessment on Inspiratory/Expiratory Thin-Section ADCT: Capability for Pulmonary Functional Loss and Clinical Stage Evaluations in Smokers
Yoshiharu Ohno / Dept. of Radiology, Kobe University Graduate School of Medicine
- 243** Time Resolved Dynamic Contrast MR Imaging of the Thorax Using Simultaneous Injection of Gadobutrol and Saline
Takayuki Masui / Dept. of Radiology, Seirei Hamamatsu General Hosp.
- 244** Withdrawn
- 245** The Feasibility of Improving the Noise Index on Automatic Spectral Chest CT Assist Protocol
Rui Wang / The First Affiliated Hospital of Zhengzhou University

9:10-10:00 (315)

46. Radiation Oncology 3: Abdomen/Pelvis

Atsunori Yorozu

- 246** VMAT-SBRT for Liver Tumors by the Thoracic - Abdominal Simultaneous Compression Technique
Masateru Fujiwara / Dept. of Radiation Oncology, Suita Tokushukai Hospital
- 247** Risk Group Analyses in Cervical Cancer Patients Based on MRI at the Time of Image Guided Adaptive Brachytherapy
Ryo Nishikawa / Division of Radiation Oncology, Kobe University Hospital
- 248** Clinical Value of Squamous Cell Carcinoma Antigen in Patients with Advanced Cervical Carcinoma Treated by Chemoradiotherapy
Koichi Wadasaki / Dept. of Radiation Oncology, Hiroshima Prefectural Hospital
- 249** Pilot Study of Radio-sensitization Using Hydrogen Peroxide in Patients with Cervical Cancer
Rong Hu / Department of Radioation Oncology, Juntendo University
- 250** IG-VMAT for Postoperative Lymph Node Recurrences with Endometrial Carcinoma
Yukio Akagi / Hiroshima Heiwa Clinic, High-Precise Radiotherapy Center

10:10-11:10 (315)

47. Radiation Oncology 4: Gastrointestinal/**Urinary**

Toshio Ohashi

- 251** Radiotherapy for Prostate Cancer: The Change of IPSS during Treatment
Hirota Takano / Medical Intern, Gifu Municipal Hospital
- 252** Retrospective Study about the Decline in Serum Prostate-Specific Antigen after Stereotactic Body Radiotherapy for Prostate Cancer
Subaru Sawayanagi / Dept. of Radiology, Faculty of Medicine, The University of Tokyo
- 253** Long Term Outcomes of a Dose-reduction Trial in Patients with Prostate Cancer Receiving Soft Tissue-matched Image-guided Intensity-modulated Radiotherapy
Naomi Sasaki / Dept of Radiology, Kyoto Prefectural University of Medicine
- 254** Experience of Neoadjuvant Chemoradiotherapy for Locally Advanced Rectal Cancer
Yuko Inoue / Division of Radiation Oncology, Kobe University Hospital
- 255** Safety and Feasibility of Radiotherapy with Hydrogen Peroxide as a Sensitizer for Inoperable Rectal Cancer
Rei Hashimoto / Department of Radiology, Juntendo University School of Medicine
- 256** Salvage Focal Carbon-ion Radiotherapy for Patients with Local Recurrence of Prostate Cancer: Two Case Reports
Goro Kasuya / NIRS

11:20-11:50 (315)

48. Uroradiology3: Adrenal gland/**Retroperitoneum** Yoshimitsu Ohgiya**257** Distinguishing Adrenal Adenomas from Non-adenomas with Multidetector CT Using a Short Time Delay Triphasic Enhanced CTTongxi Liu / *Department of Radiology, China-Japan Friendship Hospital***258** Diagnosis of Primary Peritoneal and Retroperitoneal Cystadenoma/Cystadenocarcinoma by MSCTYang Peng / *Department of Radiology, First Affiliated Hospital of Sun Yat-Sen University***259** CT Manifestations of Primitive Neuroectodermal Tumor of Adrenal GlandChang Lei Lv / *CT Room, Shaanxi Provincial People's Hospital*

13:00-14:00 (301)

49. Abdomen6: Liver tumor Masahiro Okada**260** Utility of Fusion Imaging of Preablative Hepatobiliary Phase Sequences and Postablative Unenhanced T1-weighted ImagesNobuyuki Takeyama / *Dept. of Radiology, Showa University Fujigaoka Hospital***261** Diagnosis of Liver Tumor Using Analysis of Hepatocyte Function on Gadoteric-acid Enhanced Magnetic Resonance ImagingMizuki Ozawa / *Department of Diagnostic Radiology, Saitama Medical University International Medical Center***262** Distinguishing Intrahepatic Mass-forming Biliary Carcinoma from Hepatocellular Carcinoma by Multiparametric CT and MRI Using Bayesian Method: A Bicenter StudyShintaro Ichikawa / *Department of Radiology, University of Yamanashi***263** Improvement of Diagnostic Image Quality of Abdominal CT by Using a Deep Learning Based Reconstruction Targeting Malignant Hepatic TumorYuko Nakamura / *Diagnostic Radiology, Hiroshima University***264** Interpretation Pitfalls of Contrast Enhanced Ultrasound (CEUS) for Evaluation of Hepatocellular Carcinoma (HCC)Wan Ying Chan / *Department of Diagnostic Radiology, Changi General Hospital, Singapore***265** Cholangiocarcinoma: A Descriptive Study in Dr. Wahidin Sudirohusodo General Hospital, Makassar, Indonesia, during the Period of 2013-2016Elys Susanti / *Department of Radiology, University of Hasanuddin*

13:00-13:50 (302)

50. Breast2: Disease Hiroko Kawashima**266** MRI Evaluation of Neoadjuvant Chemotherapeutic Response: Difference Depending on the Definition of Pathological Complete Response and Breast Cancer Molecular SubtypesKazuaki Nakashima / *Dept. of Breast Imaging and Intervention, Shizuoka Cancer Center Hospital***267** Grading System to Categorize Breast: A Multivariate Study of Breast Mass Descriptors in Terms of Probability of MalignancyKeishi Fujiwara / *St. Marianna University School of Medicine***268** Grading System to Categorize Breast MRI Using BI-RADS 5th Edition: A Statistical Study of Non-mass Enhancement DescriptorsTatsunori Asada / *Dept. of Radiology, St. Marianna University School of Medicine, Yokohama City Seibu Hospital***269** Rare Breast Cancer Mimickers, Their Variable Imaging Spectrum and Keys to Their DiagnosisUrszula Wegner / *University Hospital Waterford***270** Correlation among the Findings of Mammography and MRI in Non-mass-like Breast Lesions with CalcificationXiao wen Ma / *Department of Radiology, Cancer Hospital of China Medical University, Liaoning Province Cancer Hospital and Institute*

13:00-14:00 (303)

51. Cardiovascular5: Vessel CT/Miscellaneous

Yasuyuki Kobayashi

271 Diagnostic Performance of Iterative Reconstruction (FIRST) for Detecting Localization of Adamkiewicz ArteryYoshihiro Kubota / *Dept. of Radiology, Chiba University Hospital***272** Comparison on Abdominal CT Angiography Image Quality Reconstructed with Forward Projected Model-based Iterative Reconstruction Solution (FIRST) versus Conventional Reconstruction MethodsHideyuki Fukui / *Department of Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine***273** Withdrawn**274** Feasibility of Foot CT Perfusion in Patients with Peripheral Arterial Occlusive DiseaseXiao Li / *Department of Radiology, Renji Hospital, School of Medicine, Shanghai Jiaotong University***275** Upper Limb Arterial CTA Imaging Upper Limb Position Puts Impact on the Subclavian Artery and Axillary ArteryLintao Zhao / *Department of Radiology, The First Hospital of Harbin***276** The Diagnosis Value of 320 Slice CT Direct Venography in Lower Extremity Deep Venous ThrombosisJing Ma / *Department of Radiology, the 2nd affiliated hospital of the medicine school of Shihezi University*

13:00-13:40 (304)

52. Nuclear Medicine6: Whole body

Teisuke Hashimoto

277 Prognostic Impact of Quantitative Bone SPECT/CT for Patients with Metastatic Castration-resistant Prostate CancerYoshimitsu Fukushima / *Dept. of Radiology, Nippon Medical School***278** Sequential Bone Scintigraphy Observations of Patients with Castration-resistant Prostate Cancer (CRPC) with Bone Metastases under Radium-223 TherapyYumiko Kono / *Dept. of Radiology, Kansai Medical University***279** Assessment of the Effect of Urinary Excretion Rate of ¹⁸F-Sodium Fluoride on the SUV of NaF PET/CTYoshiyuki Kitamura / *Department of Radiology, Graduate School of Medical Science, Kyushu University*

- 280** Axillary Lymph Node Assessment on ^{18}F -FDG PET/CT in Rheumatoid Arthritis Patients Treated with Biologic Therapies
 Trang Thuy Dam / *Department of Diagnostic Radiology and Nuclear Medicine, Department of Orthopaedic Surgery, Gunma University Graduate School of Medicine; Department of Radiology, Bach Mai Hospital, Hanoi, Vietnam*

13:00-13:50 (315)

53. Radiation Oncology 5: Bone metastasis/

Miscellaneous Tetsuo Akimoto

- 281** Evaluation of Prognostic Factors of Bone Metastasis Treated by Radiotherapy: A Single-institution Experience
 Nana Shimoyachi / *Department of Radiotherapy, Graduate School of Medical Science, Kanazawa University*
- 282** KORTUC for Lytic Bone Metastasis
 Shiro Obata / *Dept. of Radiology and Radiotherapy, Nagasaki Prefecture Shimabara Hospital*
- 283** The Outcome of Reirradiation with Curative Intent: Analysis of 214 Patients in 6 Years
 Ryoongjin Oh / *Miyakojima IGRT Clinic*
- 284** Effectiveness and Adverse Effects of Radical Radiotherapy on Patients Aged 90 or above
 Osamu Tanaka / *Dept. of Radiation Oncology*
- 285** Nanoparticle Imaging and Treatment of Tumor, through Macrophage-based Therapy, by Radiotherapy-targeted-switching of Tumor-Associated-Macrophages (TAM S) from M2 to M1 Phenotype
 Satoshi Harada / *Dept. of Radiology, Iwate Medical University, School of Medicine*

Electronic Poster Presentation Programs

April 13 (Fri.)

9:10-9:38 (Poster Presentation Booth 1)

1. Interventional Radiology 1: Ablation/ Cryotherapy

Tadashi Shimizu

- C001** Percutaneous Cryoablation of Lung Tumors Using Liquid Nitrogen Based Ice Device: Safety and Initial Outcome
Ikuko Yamazaki / Dept. of Radiology, Kameda Medical Center
- C002** Treatment with RFA, SBRT and SLR for Patients with Stage I Non-Small-Cell Lung Cancer: Evaluation of Single Center Experience
Toshihiro Iguchi / Dept. of Radiology, Okayama University Medical School
- C003** Phase I Clinical Trial and Literature Review of Percutaneous Cryoablation for Osteoid Osteoma
Miyazaki Masaya / Dept. of Interventional Radiology and Clinical Ultrasound Center
- C004** Cryoablation of Renal Cell Carcinoma for Patients with Severe Chronic Kidney Disease: A Retrospective Multi Center Study
Hideo Gobara / Dept. of Radiology, Okayama University Hospital

9:50-10:18 (Poster Presentation Booth 1)

2. Interventional Radiology 2: Embolization

Koji Sugimoto

- C005** Correlation between Tumor Stain Change after Balloon Occlusion and Outcome after B-TACE
Yoshihisa Kodama / Dept. of Radiology, Teine Keijinkai Hospital
- C006** Drug-eluting-beads Embolization for Hepatocellular Carcinoma in Elderly Patients: Evaluation of Adverse Events Compared with Conventional Chemoembolization
Hiroshi Seki / Dept. of Diagnostic Radiology, Niigata Cancer Center Hospital
- C007** Comparison of Occupational Eye Radiation Dose Estimated on Novel Direct Eye Dosimeter and Film Badge in Transarterial Chemoembolization
Masakazu Hirakawa / Dept. of Radiology, Kyushu University Beppu Hospital
- C008** Associating Liver Partition and P4 Vein Ligation Combining Trans-ileocecal Portal Vein Embolization for Staged Hepatectomy (Modified ALPPS-TIPE) : Initial Experience
Mitsunari Maruyama / Department of Radiology, Shimane University Faculty of Medicine

10:30-10:58 (Poster Presentation Booth 1)

3. Interventional Radiology 3: Embolization/ Miscellaneous

Masanori Inoue

- C009** Treatment Results of Direct Puncture Sac Embolization for Type II Endoleaks
Tetsuro Nakazawa / Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine

- C010** Preoperative Transarterial Embolization for Bleeding Originating from Malignant Bladder Tumor
Noriaki Yuasa / Dept. of Radiology, Steel Memorial Muroran Hospital

- C011** Transcatheter Arterial Embolization for the Treatment of Active Arterial Bleeding from Inferior Epigastric Artery
Hiroyuki Tokue / Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma University Graduate School of Medicine

- C012** The Efficacy of Balloon Occlusion in Bilateral Iliac Arteries before Delivery in Patients with Morbidly Adherent Placentas
Makoto Hamano / Dept. of Radiology, Iwate Medical University

15:10-15:59 (Poster Presentation Booth 1)

4. Interventional Radiology 4: Technique/ Miscellaneous

Terumitsu Hasebe

- C013** The Comparison of Transplantation of Central Venous Port via Cephalic Vein and via Basilic Vein
Kazumichi Tsukamoto / Dept. of Radiology, Tottori University
- C014** Examination of Individual Incident Reports Related to Interventional Radiology of Our Department in Angiography Suit
Yoshiya Watanabe / Dept. of Radiology, Gunma University School of Medicine
- C015** Development of a Steerable Transjugular Intrahepatic Portosystemic Shunt (TIPS) Needle Based on a Loop-Shaped Flexible Mechanism
Noriyoshi Nitta / Dept. of Radiology, Shiga University of Medical Science
- C016** Radiological Anatomy of Cardiovascular System in Matured Microminipigs as a Pre-clinical Research Model for the Interventional Radiology
Hiroshi Kawada / Dept. of Radiology, Gifu University School of Medicine
- C017** Incidence of Contrast-induced Nephropathy after Catheter Angiography and Evaluation of Risk Factors
Makoto Koga / Dept. of Radiology, Akita University School of Medicine
- C018** Development of in Vitro Endothelialized Stents
Jitsuro Tsukada / Dept. of Radiology, Keio University School of Medicine
- C019** Remote-controlled Robotic Insertion of Ablation Needles under CT-guidance: Accuracy and Safety in Animal Experiments
Takao Hiraki / Department of Radiology, Okayama University Medical School

16:10-16:52 (Poster Presentation Booth 1)

5. IT/Radiologic interpretation

Norinari Honda

- C020** Reference Rate of Image Diagnosis Report: In Case of Chest X-ray at Our Hospital
Sae Miyashita / Kanazawa Medical Center
- C021** Utility of Teleradiology Using a Mobile Tablet Type Device for Imaging Diagnosis of Emergency Cases
Kensuke Uotani / Dept. of Radiology, Hyogo Prefectural Awaji Medical Center

C022 Cancer Image Reference Database: Mobile Device Oriented Features Newly Developed
Hiroaki Onaya / *Sec. Radiology Consultation, National Cancer Center*

C023 Significant Causative Factor for Missed Findings on CT and MRI Examinations: Retrospective Study by Multivariate Analysis
Nariyuki Oya / *Gunma Prefectural Cancer Center*

C024 Monitoring of Prefrontal Response of Radiologist by Long Time Image Interpretation in a Poor Physical Condition, Using fNIRS
Takashi Nihashi / *Komaki City Hospital*

C025 Introduction of an Easy-Build Method Based on Existing Network to Handle Crucial Communication Problems Derived from a New Modality Installation
Yukihiro Nagatani / *Dept. of Radiology, Shiga University of Medical Science*

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

6. Chest 1: Imaging technique Yoriko Murata

C026 Volumetric Quantification of Lung Low Attenuation Area Using Ultralow Dose CT - Intra-individual Comparison with Standard Dose CT
Munemasa Okada / *Dept. of Radiology, Yamaguchi University Hospital*

C027 Peripheral Bronchial Depiction in Quarter Detector CT Reconstructed with Forward Projected Model-based Iterative Reconstruction SoluTion (FIRST)
Ryo Kurokawa / *Department of Radiology, Graduate School of Medicine, The University of Tokyo*

C028 Intra-individual Comparison of Lung Volumes between Supine, Sitting, and Standing Positions Scanned with Conventional and Newly Developed 320-detector-row Upright CT
Yoshitake Yamada / *Dept. of Radiology, Keio University School of Medicine*

C029 Clinical Usefulness of Ultra-high-resolution CT and Iterative Reconstruction for CT Virtual Bronchoscopy
Makiko Nishikawa / *Kyorin University Hospital*

C030 Metal Artifact Reduction for the Detection of Pulmonary Nodules: Forward-projected Model-based Iterative Reconstruction Solution (FIRST) v.s. Single-energy Metal Artifact Reduction (SEMAR)
Masahiro Yanagawa / *Dept. Radiology, Osaka University Graduate School of Medicine*

10:00-10:28 (Poster Presentation Booth 2)

7. Chest 2: Lung disease Sadayuki Murayama

C031 Pre-treatment CT Features Associated with EGFR T790M Mutation Status in Patients with Lung Adenocarcinoma
Hiroto Hakamada / *Dept. of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences*

C032 The Whole-lung Dynamic Respiratory CT: The Novel Respiratory Function Examination by Dynamic Wide Volume Scanning Using 320-row ADCT
Hiroshi Moriya / *Diagnostic Imaging Center, Ohara General Hospital*

C033 Evaluation of the Origin of the Last Normal Branch from Feeding Artery of the Pulmonary Arteriovenous Malformations
Miyuki Maruno / *Dept. of Radiology, Oita University Faculty of Medicine*

C034 Evaluation of the Postmortem Change of the Lung Using Rat Euthanasia Model and Small Animal X-ray CT
Takahiro Matsuyama / *Dept. of Radiology, Fujita Health University*

10:40-11:01 (Poster Presentation Booth 2)

8. Head and neck Hiroki Kato

C035 The Micro Anatomy of the Temporal Bone with Quarter Detector CT Using Forward Projected Model-based Iterative Reconstruction SoluTion (FIRST)
Ryo Kurokawa / *Dept. of Radiology, Graduate School of Medicine, The University of Tokyo*

C036 Withdrawn

C037 The Imaging Findings of Nasopharyngeal Carcinomas in Correlation with Histologic Subtypes
Takao Kumazawa / *Dept. Diagnostic Radiology, Kurashiki Central Hospital*

15:10-15:45 (Poster Presentation Booth 2)

9. Cardiovascular 1: Coronary Yasutaka Ichikawa

C038 The Impact of Heart Rate on Diagnostic Accuracy of ECG-gated Coronary CT Angiography Using Ultra-high Resolution CT: A Phantom Study
Hidenobu Takagi / *Dept. of Radiology, Iwate Medical University*

C039 Coronary Artery CT Using Low Concentration Contrast Medium and Low Tube Voltage: Efforts to Reduce Iodine Usage
Takuya Ishida / *Dept. of Radiology, Tonami General Hospital*

C040 Consideration for Indication of Coronary CT Angiography for Patients with Zero Agatston Score
Makoto Amanuma / *Dept. of Radiology, Takase Clinic*

C041 Evaluation of Normal and Disturbing Images on Coronary Non-contrast MR Angiography; Initial Experience with a Newer GE 1.5 T MR
Shoichi Takekawa / *Dept. of Diagnostic Radiology, Southern TOHOKU General Hospital*

C042 A Deep 3D Convolutional Neural Network Analysis of Cardiac CT Volume Data: Prediction of Significant Coronary Ischemia
Kanako Kumamaru / *Juntendo Univesity, Department of Radiology*

16:00-16:35 (Poster Presentation Booth 2)

10. Musculoskeletal Tamotsu Kamishima

C043 Angiosarcoma: Differences and Similarities of Imaging Features by Location
Kazuma Yasui / *Dept. of Diagnostic and Interventional Radiology, Kanagawa Cancer Center*

C044 Radiologic Characteristics of Desmoplastic Fibroblastoma: Comparison with Desmoid-type Fibromatosis
Ryota Inai / *Dept. of Radiology, Okayama University Hospital*

- C045** Evaluation of Temporal Subtraction CT for Detection of Vertebral Bone Metastases
Sodai Hoshiai / Dept. Radiology, University of Tsukuba
- C046** MR Imaging Findings of Vertebral Involvement in Gorham-Stout Disease, Generalized Lymphatic Anomaly, and Kaposiform Lymphangiomatosis
Hiroki Kato / Dept. of Radiology, Gifu University School of Medicine
- C047** Correlation between Vertebral Bone Strength and Muscle Property on CT in DM Patient
Shinpei Yamaguchi / Dept. of Radiology, University of Occupational and Environmental Health School of Medicine

April 14 (Sat.)

9:10-9:38 (Poster Presentation Booth 1)

11. Cardiovascular 2: Heart/Miscellaneous
Hiroyuki Tajima

- C048** Evaluation of Capability of the Deep Neural Networks at the Late Gadolinium Enhancement Image Diagnosis Assistant
Yasutoshi Ohta / Division of Radiology, Tottori university Faculty of Medicine
- C049** The Effect of Hemoglobin Value on the Water Density Generated from Material Decomposition Image with Spectral CT
Shinichiro Kitao / Dept. Radiology, Tottori University Faculty of Medicine
- C050** Cardioangiogram-based Study of Pediatric Contrast Transit Time in Children with Congenital Heart Disease
Yoko Namiki / Dept. of Radiology, The University of Tokyo Hospital
- C051** Late Gadolinium Enhanced MRI for Duchenne and Becker Muscular Dystrophy
Noriko Oyama-Manabe / Dept. of Diagnostic and Interventional Radiology, Hokkaido University Hospital

9:50-10:25 (Poster Presentation Booth 1)

12. Cardiovascular 3: Cardiac CT
Masao Miyagawa

- C052** Dynamic Performance of MBF by Dynamic CT Perfusion for the Detection of Significant CAD: Standardized vs. Individualized Vascular Territories
Kuniaki Hirai / Dept of Radiology, Ehime University School of Medicine
- C053** Myocardial Blood Flow Derived from Single-source 64-row Dynamic CT Perfusion: Is It Reliable to Detect Coronary Stenosis?
Nobuo Tomizawa / Dept of Radiology, New Tokyo Hospital
- C054** Comparison of QPR Derived from Dynamic CT Perfusion and FFR on the Evaluation of Myocardial Ischemia
Natsumi Kuwahara / Dept. of Radiology, Ehime University Graduate School of Medicine
- C055** Dual-energy Myocardial Late Iodine Enhancement Imaging Using Dual-layer Spectral Detector Computed Tomography
Seitaro Oda / Dept. of Diagnostic Radiology, Faculty of Life Sciences, Kumamoto University

- C056** Relative and Absolute CT Perfusion Derived Myocardial Blood Flow Value Compared with Invasive Fractional Flow Reserve
Takahiro Yokoi / Dept. of Radiology, Ehime University School of Medicine

10:40-11:22 (Poster Presentation Booth 1)

13. Cardiovascular 4: Great vessel/Miscellaneous
Fumiko Kimura

- C057** Changes of Aortic Wall Thickness before Development of Acute Aortic Dissection
Hidemasa Saito / Dept. of Radiology, Nippon Medical School
- C058** Evaluation of Gravity Effect on Inferior Vena Cava Flow Using Gravity MRI
Yoshisuke Kadoya / Dept. of Radiology, Kanazawa University School of Medicine
- C059** Analysis of Aortic Arch Motion and Segmental Curvature Change Using 4D-CTA: Consideration of the Pathogenesis of Aortic Dissection
Mitsuhiro Kishino / Dept. of Diagnostic Radiology Mitsui Memorial Hospital
- C060** Congenital Anomalies of the Left Brachiocephalic Vein without Congenital Heart Disease Detected in Adults on Computed Tomography
Hiroshi Yamamuro / Dept. of Radiology, Tokai University School of Medicine
- C061** Evaluation of Venous Attenuation with Reduced Radiation and Contrast Material Dose at CT Venography
Takafumi Nomura / Department of Radiology Yamaguchi University Graduate School of Medicine
- C062** Evaluation of Arteriosclerosis by Noninvasive MRI: A Basic Investigative Animal Study
Kai Takaki / Dept. of Radiology, Shiga University of Medicine Science

13:00-13:42 (Poster Presentation Booth 1)

14. Nuclear Medicine 1: FDG-PET Tohru Shiga

- C063** FDG-PET Findings for 14 Cardiac/Pericardiac Tumors at Our Hospital
Kazukuni Kirii / Dept. Radiology, Yamagata University Faculty of Medicine
- C064** Characteristics of FDG Uptake in the Atria of Patients with Atrial Fibrillation
Emiri Watanabe / Dept. of Radiology, Ehime University School of Medicine
- C065** Evaluation of FDG-PET/CT Findings of Primary Breast Lymphoma
Yasuyo Hamanaka / Dept of Radiology, Koseikai Takeda Hospital
- C066** Correlation of ¹⁸F-FDG PET/CT Findings with Abdominal Aortic Aneurysm Growth
Mami Nishioka / Dept. of Radiology, Faculty of Medicine, Kagawa University
- C067** The Utility of F-18 Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography in Differentiating Primary Duodenal Tumors
Yoichi Otomi / Dept. of Radiology, Tokushima University Hospital

C068 FDG-PET/CT of Sarcoidosis Like Uptakes Following Malignant Tumor after Treatment
Yo Kaneko / Dept. of Radiology, Gifu University School of Medicine

14:00-14:28 (Poster Presentation Booth 1)

15. Nuclear Medicine 2: Head/Neck/Neuro

Ichiei Kuji

C069 Diagnostic Accuracy of FDG-PET/MR Imaging with MR Attenuation Correction for Dementia - Simulation Study Using ADNI-data
Tetsuro Sekine / Dept. of Radiology, Nippon Medical School

C070 Treatment Outcome of Adjuvant Radioiodine Therapy for Differentiated Thyroid Cancer
Noriko Takata / Dept. of Radiology, Ehime University School of Medicine

C071 Efficacy of Low Dose I-131 Ablation Therapy Post Total Thyroidectomy in Differentiated Thyroid Cancer
Naoki Kan / Kansai Medical University Department of Radiology

C072 Additional Findings in Parathyroid Scintigraphy
Hideaki Enomoto / Dept. of Radiology, Tokushima University Hospital

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

16. Obstetrics/Gynecology

Aki Kido

C073 Uterine Smooth Muscle Tumors with Hyperintense Area on T1-weighted Images: Differentiation of Leiomyosarcomas from Leiomyomas
Tomohiro Ando / Dept. of Radiology, Gifu University School of Medicine

C074 Diffusion Kurtosis Imaging of the Uterus and Endometrial Carcinoma: Correlation with Histopathologic Findings
Ichiro Yamada / Dept. of Diagnostic Radiology and Nuclear Medicine, Graduate School, Tokyo Medical and Dental University

C075 Accelerating MR Imaging 3D T2-weighted TSE VISTA Using Compressed Sensing of Female Pelvis: Prospective Intraindividual Comparison with Conventional VISTA
Tomohiro Namimoto / Dept. of Diagnostic Radiology, Kumamoto University

C076 Imaging Findings of Adult Granulosa Cell Tumor of the Ovary
Akiyo Takada / Department of Radiology, Chiba University Hospital

C077 Examination on the Relation of Ovarian Tumor and Round Ligament of the Uterus for Ovarian Vessels
Osamu Sato / Dept. of Radiology, North Medical Center Kyoto Prefectural University of Medicine

15:30-15:58 (Poster Presentation Booth 1)

17. Breast 1: MRI

Takayoshi Uematsu

C078 Evaluation of Axillary Lymph Node Status Using Minimum ADC of Breast Lesions in Luminal A-like Cancer with Clinically Negative Nodes
Fumi Kato / Dept. of Diagnostic and Interventional Radiology, Hokkaido University Hospital

C079 Diagnostic Performance of Ultrafast Dynamic Contrast-enhanced MRI of the Breast
Ken Yamaguchi / Dept. of Radiology, Saga University

C080 Quantitative Analysis of Histological Whole Slide Imaging of Invasive Breast Cancer: A Novel Technique to Correlate with Apparent Diffusion Coefficient
Naoko Mori / Department of diagnostic radiology, Tohoku University Graduate School of Medicine

C081 Differentiation between Phyllodes Tumors and Fibroadenomas Using Intravoxel Incoherent Motion Magnetic Resonance Imaging: Comparison with Conventional Diffusion-weighted Imaging
Hiroko Kawashima / Faculty of Health Sciences, Kanazawa University

16:10-16:38 (Poster Presentation Booth 1)

18. Breast 2: Imaging technique/Miscellaneous

Tokiko Endo

C082 Quantitative Assessment of Fat Content in Mammary Gland and Breast Cancer by Dual Energy CT
Nobuko Yoshizawa / Department of Diagnostic Radiology & Nuclear Medicine, Hamamatsu University School of Medicine

C083 Dual-energy Breast CT on Preoperative Evaluation in the Patients with Breast Cancer: The Utility of Noise Reduced Monoenergetic Images
Kanakano Okada / Dept. Radiology, Saiseikai Matsuyama Hospital

C084 Visualization of Microcalcifications on Digital Breast Tomosynthesis Compared with Full-field Digital Mammography
Ryusuke Murakami / Dept. of Radiology, Nippon Medical School

C085 Quantitative Analysis of Elasticity in Breast Cancer Using a Novel Elastography Method: A Preliminary Study of CD SWI
Takahito Nakajima / Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma University Graduate School of Medicine

9:10-9:52 (Poster Presentation Booth 2)

19. Abdomen 1: Gastrointestinal

Masamitsu Hatakenaka

C086 Coexistence of Extra-Gastric Afferent Efferent Direct Connection with Gastric Varices: 3DCT Evaluation
Ramy Mohammed / Dept. of Radiology, Oita University, Faculty of Medicine

C087 Utility of Virtual Monochromatic Imaging Using Dual-layer Detector Spectral Computed Tomography for Electronic Cleansing in Fecal-tagging CT Colonography
Narumi Taguchi / Dept. of Diagnostic Radiology, Faculty of Life Sciences, Kumamoto University

C088 Asymptomatic Extracolonic Wall Gas Distinct from Perforation at Preoperative CT Colonography (CTC)
Hirotaka Tomimatsu / Dept. of Radiology, Tenri Hospital

C089 Can Initial CT Findings Predict the Possibility of Conservative Treatment for Closed Loop Obstruction?
Eliko Tanaka / Dept. of Radiology, Showa University Fujigaoka Hospital

C090 Regional Lymph Node Metastasis in Rectal Cancer: Evaluation with Heavily T2-weighted Images with Fat Suppression (SPACE) on 3T MRI System
Maki Kiyonaga / Dept. of Radiology, Oita University Faculty of Medicine

- C091** Morphological Evaluation Related with the Extramural Invasion of Rectal Cancer Using MRI: Comparison of MRI and Histopathological Findings
Satomi Morise / Dept. of Radiology, Kansai Medical University

10:00-10:35 (Poster Presentation Booth 2)

20. Abdomen 2: Hepatobiliary/Pancreas 1

Yoshito Takeuchi

- C092** Low-Iodine-dose Abdominal-CT with 80-kVp and SAFIRE in Patients with Renal Insufficiency: Impact on Image Quality, Radiation Dose and Renal Function
Yasunori Nagayama / Dept. of Diagnostic Radiology, Kumamoto University
- C093** Using 80kVp for Abdominal CT Reduces the Contrast Dose by 60% in Patients at Risk for Contrast-induced Nephropathy
Hisatoshi Araki / Dept. of Radiology, Faculty of Medicine, Shimane University School
- C094** Intraductal Papillary Neoplasms of the Bile Duct versus Papillary Cholangiocarcinomas: Clinicoradiological Comparative Study
Takahiro Komori / Dept. of Radiology, Kanazawa University Graduate School of Medical Science
- C095** Unexpected Primary Pancreatic Cancer Detected by Follow-up Imaging Examinations: Correlation of Progressive Stages and Imaging Modalities
Hitomi Iwasa / Dept. of Radiology Kochi Medical School, Kochi University
- C096** Pictorial Review of Neuroendocrine Tumors
Uyama Naoto / Dept. of Radiology, Tokushima University Hosp.

11:00-11:35 (Poster Presentation Booth 2)

21. Abdomen 3: Hepatobiliary/Pancreas 2

Utaroh Motosugi

- C097** Withdrawn
- C098** Feasibility of the Ablative Margin Grading by Fusion Imaging between Pre- and Post-ablation Hepatobiliary Phase Sequences
Nobuyuki Takeyama / Dept. of Radiology, Showa University Fujiigaoka Hospital
- C099** Deep Learning for Hepatic Fibrosis: Staging on Gd-EOB-DTPA Enhanced Hepatobiliary Phase MRI
Koichiro Yasaka / IMSUT Hospital, Institute of Medical Science, University of Tokyo
- C100** MR Elastography for Pancreas: Evaluation of Conditions for Imaging by Normal Volunteers
Shinichi Ota / Dept. of Radiology, Shiga University of Medical Science
- C101** Adrenal Gland Enlargement in Multiple Myeloma; A CT Study
Takuya Adachi / Dept. of Radiology, Kameda General Hospital

13:00-13:42 (Poster Presentation Booth 2)

22. Neuroradiology 1: Cerebrovascular/Tumor

Akira Kunimatsu

- C102** Comparative Study of Glioma Perfusion Metrics Using Both ASL and DCE Imaging
Kenji Takata / Dept. of Radiology, Fukui University School of Medicine
- C103** Initial Image Findings of IDH Wildtype Glioblastoma
Shintaro Saito / Department of Radiology, Yamagata University Graduate School of Medical Science Medicine
- C104** Differentiating Glioblastoma from Lymphoma or Metastatic Tumor by ELTE (Enhancement Less Than Expected)
Takashi Katsube / Dept. of Radiology, Shimane University Faculty of Medicine
- C105** TSE-based Black-Blood MRA in the Detection of Vasospasm Following Subarachnoid Hemorrhage
Koichi Takano / Dept. of Radiology, Fukuoka University
- C106** Diagnostic Performance of CT Angiography for Middle Cerebral Artery Perforators Using Ultra-High Resolution CT
Kazuhiro Murayama / Dept. of Radiology, Fujita Health University School of Medicine
- C107** Usefulness of 3-T MR Angiography with Tri-directional Flow Compensation for Morphologic Evaluation of Unruptured Intracranial Aneurysms
Naoki Fukuyama / Dept. of Radiology, Ehime Prefectural Central Hospital

14:00-14:35 (Poster Presentation Booth 2)

23. Neuroradiology 2: Brain disease

Toshihide Ogawa

- C108** The MRI Findings in Creutzfeldt-Jakob Disease
Ayaka Nakai / Dept. of Radiology, Kanazawa University School of Medicine
- C109** Retrospective Analysis of MRI Findings of Brain Toxoplasmosis in AIDS Patients
Kota Yokoyama / Dept. of Radiology, National Center for Global Health and Medicine, Tokyo, Japan
- C110** Assessment of Hypo-intensity at the Posterior Edge of Adenohypophysis on T2-weighted MR Imaging: A Preliminary Study
Aiko Gobara / Dept. of Radiology, Shimane University Faculty of Medicine
- C111** Relationship between Cytokines and Brain Morphology in Drug-naive, First-episode Major Depressive Disorder Using Surface-based Morphometry
Shingo Kakeda / Dept. of Radiology, University of Occupational and Environmental Health, School of Medicine
- C112** Application of Machine Learning to the Visual Rating System in Mild Cognitive Impairment
Tomoki Kaneko / Dept. of Radiology, Shinshu University School of Medicine

14:50-15:32 (Poster Presentation Booth 2)

24. Radiation Oncology 1: Chest Takashi Uno

- C113** Long-term Outcomes in Patients Treated with Whole-breast Irradiation after Breast-conserving Surgery
Yoshio Monzen / Dept. of Radiology, Sasebo City General Hospital
- C114** Initial Report of Intensity Modulated Radiotherapy of the Whole Breast and Axillary Lymph Node with Positive Sentinel Node
Rumiko Kinoshita / Hokkaido University Hosp. Radiation Oncology
- C115** Influence of CTV Displacement in Postoperative Breast/Chest Wall Radiotherapy Using Field in Field Technique
Kenji Makita / Dept. Radiology, Ehime University Graduate School of Medicine
- C116** Outcomes of Chemoradiation Therapy for Limited-disease Small Cell Lung Cancer in Our Hospital
Norihsa Katayama / Dept. of Radiology, Okayama University Medical School
- C117** Changes in Volume and Tumor Position during Stereotactic Body Radiotherapy of Lung
Nishimura Keiichiro / Depart. Radiation Oncology, Saitama Medical Center, Saitama Medical Univ
- C118** GTV-based Prescription in SBRT for Lung Tumors
Komiya Takafumi / Dept. of radiology, University of Yamanashi

April 15 (Sun.)

9:10-9:59 (Poster Presentation Booth 1)

25. Radiation Oncology 2: Skin tumor/Bone metastasis/Miscellaneous Tatsuya Ohno

- C119** Re-calcification of Spinal Bone Metastases after Radiation Therapy in Breast Cancer
Nanae Yamaguchi / Dept. of Radiation Oncology, Juntendo University School of Medicine
- C120** Efficacy and Safety of Single Fraction Palliative Radiation Therapy for Non-osseous Metastases
Ryosuke Takenaka / Tokyo Teishin Hospital
- C121** Quantitative Evaluation of the Calcification after the Radiation Therapy
Hattori Hidekazu / Dept. of Radiology, Fujita Health University School of Medicine
- C122** Efficacy of Radiotherapy Alone for Merkel Cell Carcinoma
Kana Kobayashi / Dept. of Radiology, Kochi University
- C123** Serial Imaging Analysis by Both Absolute Partial Pressure of Oxygen (pO₂) and Hyperpolarized [1-¹³C] Pyruvate Metabolism Changes in Cancer Treatment
Masayuki Matsuo / Department of Radiology, Gifu University
- C124** Effect of Tirapazamine, Metformin or Mild Temperature Hyperthermia on Recovery from Radiation-Induced Damage in Pimonidazole-Unlabeled Probably Oxygenated Quiescent Tumor Cells
Shin-ichiro Masunaga / Particle Radiat. Biol., Div. Radiat. Life Sci., Res. Reactor Inst., Kyoto University
- C125** Clinical Outcome of the Treatment with a Single-fraction Dose of Radiation for Mycosis Fungoides
Kae Okuma / Dept. of Radiology, University of Tokyo Hospital

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

26. Radiation Oncology 3: Abdomen/Gastrointestinal Atsuya Takeda

- C126** Treatment Outcomes of Radiotherapy for Lymphnode Recurrence after Radical Surgery for Esophageal Cancer
Hiromitsu Kanzaki / Dept. of Radiotherapy, National Hospital Organization Shikoku Cancer Center
- C127** Palliative Radiotherapy in the Local Management of Stage IVB Esophageal Cancer
Gen Suzuki / Dept. of Radiology, Kyoto Prefectural University of Medicine
- C128** Treatment Outcomes of Radiation Therapy for Portal Vein Tumor Thrombosis in Hepatocellular Carcinoma
Mika Nakatake / Dept. of Radiology, National Hospital Nagasaki Medical Center
- C129** Clinical Outcomes after Carbon-ion Radiotherapy for Primary Renal Cell Carcinoma
Goro Kasuya / NIRS
- C130** Early Outcomes in CT-based High Dose Rate Image-guided Brachytherapy for Uterine Cervical Cancer
Hiroki Ihara / Dept. of Proton Beam Therapy, Okayama University Graduate School

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

27. Radiation Oncology 4: Head and neck Ryoichi Yoshimura

- C131** Chemoradiotherapy for Non-operated Tongue Cancer
Shinichiro Toyoshima / Dept. of Radiology, Toyama Prefectural Central Hospital
- C132** Salvage Re-irradiation Using Intensity Modulated Radiation Therapy in Head and Neck Rare Tumors
Hiroshi Doi / Miyakojima IGRT Clinic
- C133** Evaluation of Treatment Outcome of Curative Chemoradiotherapy for Paranasal Sinus Cancer
Tomohiko Tanino / Dept. of Radiology, Tottori University School of Medicine
- C134** Treatment Outcome of Intra-arterial Chemoradiotherapy for Locally Advanced Head and Neck Cancer in Patients Aged over 90 Years: Case Report
Takamitsu Mase / Dept. of Radiotherapy, Ise Red Cross Hospital

13:00-13:28 (Poster Presentation Booth 1)

28. Radiation Oncology 5: Neuro Takeo Takahashi

- C135** Therapeutic Efficacy of Hypofractionated Stereotactic Radiotherapy for Inoperable Arteriovenous Malformation
Takafumi Yamano / Dept. of Radiation Oncology, Saitama Medical Center Hospital
- C136** Comparison of Gamma Knife Radiosurgery and Fractionated Radiotherapy in Patients with Intracranial Grade II and III Meningiomas
Wataru Takahashi / Dept. of Radiology, the University of Tokyo Hospital

- C137** Feasibility and Efficacy of Individualized Radiation Therapy for Primary Central Nervous System Lymphoma: Radiation Treatment Planning According to Radiographic Assessment

Yoko Morimoto / *Dept. of Radiation Oncology, Nara Medical University*

- C138** Cognitive Function Transition after Prophylactic Cranial Irradiation in Patients with Small Cell Lung Cancer

Toshimichi Nakano / *Dept. of Radiology and Radiation Oncology, Niigata University Graduate School of Medical and Dental Sciences*

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

29. Uroradiology Hiroshi Shinmoto

- C139** Evaluation of Kidney Tissue Oxygen Saturation by Photoacoustic Imaging for the Early Prediction of Renal Function in Ischemia-reperfusion Kidney

Kenichiro Okumura / *Dept. Radiology, Kanazawa University Graduate School of Medicine*

- C140** MRI of Prostate Cancer: Correlation with Pathological Findings and Correlation with Category Classification in PI-RADS

Masasuke Kohzai / *Dept. of Radiology, Kansai Medical University*

- C141** Initial Experience with MRI-US Fusion Prostate Needle Biopsy; Learning Curve Analysis and Suggestions from Diagnostic Imaging Division

Nozomi Ohashi / *Advanced Imaging Center, Niimura Hospital*

- C142** Initial Experience with MRI-US Fusion Prostate Needle Biopsy; Correlation between Biopsy Results and PI-RADS Category

Nozomi Ohashi / *Advanced Imaging Center, Niimura Hospital*

- C143** Deviation of Pelvic Organs in the Upright Position: Evaluation in Healthy Population Using a 320-detector Row Upright CT

Keiichi Narita / *Dept. of Diagnostic Radiology, Keio University School of Medicine*

Product Exhibition Programs

April 14 (Sat.)

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

Core Time

K001 Building an Integrated CAD Development Environment
in Clinical Settings (the 11th Report): Efficient
Presentation of Lesion Candidates Using Volume-rendering
Technique

Soichiro Miki / Dept. of CDRPM, The University of Tokyo
Hospital

The 74th Annual Meeting of the Japanese Society of Radiological Technology

JSRT-JSMP Joint Lecture

April 14 (Sat.) 10 : 00 ~ 10 : 50 (502)

Chairman Fujita Health Univ. Naoki Hayashi

「The TG-132 Concept and Evolution of Imaging and Image Use in Radiotherapy」

Washington University Sasa Mutic

JSRT-JSMP Joint Sessions

The Know-how Useful for Publication of Your Article in RPT

April 15 (Sun.) 9 : 40 ~ 11 : 50 (501)

Chairman Teikyo Univ. Shinji Kawamura

Kumamoto Univ. Junji Shiraishi

- 1-1. From the Standpoint of an Author (Diagnostic Imaging)
National Defense Medical College Hospital Hideo Nose
- 1-2. Comments as Author (MRI, Nuclear Medicine and Informatics)
Yamaguchi University Hospital Koya Fujimoto
- 1-3. Author's Viewpoints (Radiation Therapy Physics)
Kumamoto University Takeshi Ohno
- 2-1. From the Standpoint of a Reviewer (Diagnostic Imaging)
Kumamoto University Junji Shiraishi
- 2-2. Suggestions and Advice as Reviewer (MRI, Nuclear Medicine and Informatics)
Hokkaido University Toru Yamamoto
- 2-3. From the Standpoint of a Referee (Radiation Therapy Physics)
National Institute of Radiological Sciences Nobuyuki Kanematsu
- 3-1. From the Viewpoint of the Editor (Diagnostic Field)
Nagoya University Yoshie Kodera
- 3-2. From the Viewpoint of the Editor (MRI, Nuclear Medicine and Informatics)
Kitasato University Tomoyuki Hasegawa
- 3-3. Special Techniques to Be Accepted to the RPT Journal
Kumamoto University Fujio Araki
4. General Comments
The University of Chicago Kunio Doi

JSRT-JCS Joint Session

The Mission of Radiological Technology in Cardiovascular Disease -The Latest and Optimum Technology Utilizing Basic Knowledge-

April 14 (Sat.) 13 : 00 ~ 16 : 00 (F203 + 204)

Chairman Tenri Hospital Yoshihisa Nakagawa

Eastern Chiba Medical Center Noriyuki Yanagawa

1. Diagnosis and Treatment Strategy for Ischemic Heart Disease
The University of Tokyo Hospital Jiro Ando
 2. Novel Utilities of Cardiac CT and MRI for Diagnoses of Ischemic Heart Disease
Cardiovascular Medicine, Chiba University Hospital Hiroyuki Takaoka
 3. Role of Echocardiography in Diagnosis of Ischemic Heart Disease
Tenri Hospital Chisato Izumi
 4. Construction and Development for the Cardiac CT Imaging Technology
Eastern Chiba Medical Center Shigehiro Ochi
 5. Construction and a Prospect of MRI Imaging Technology
The Jikei University Kashiwa Hospital Hisashi Kitagawa
 6. Revalidation and Prospect of Nuclear Medicine Technology
Osaka City University Hospital Takashi Yamanaga
 7. The Current Status and Issues of the Cardiac Ultrasound Examination for the Ischemic Heart Disease.
Hyogo Brain and Heart Center Masato Tsuru
- General Discussion

Expert Lectures

Expert Lecture 1

April 14 (Sat.) 8 : 50~9 : 50 (502)

Chairman Masao Funahashi

「Standardization of Exposure Condition in General Radiography」

Nara Medical University Hospital Mitsuhiko Nakamae

Expert Lecture 2

April 13 (Fri.) 15 : 00~16 : 00 (503)

Chairman Akio Ogura

「Image Quality Evaluation of X-ray Computed Tomography」

Kanazawa University Katsuhiko Ichikawa

Segi Award Winner's Lecture (Best Paper in 2017)

April 14 (Sat.) 11 : 20~11 : 50 (501)

Chairman Osaka General Medical Center Masao Funahashi

学会雑誌 Vol.73, No.5

「Image Quality and Clinical Usefulness of Ray-summation Image Reconstructed from CT Data, Compared with Digital Radiography」

Graduate School of Medical Science, Kanazawa University/Kariya Toyota General Hospital Shogo Suzuki

Award Ceremony for Doi-Prize and Most Citation Award, and Award Lectures

April 15 (Sun.) 12 : 00~12 : 45 (501)

Coordinator Teikyo Univ. Shinji Kawamura

1) Most Citation Award Ceremony

Conferrer The University of Chicago Kunio Doi

RPT Vol.8 No.1: 53-59, 2015

Modulation Transfer Function Measurement of CT Images by Use of a Circular Edge Method with a Logistic Curve-fitting Technique. Tomomi Takenaga

RPT Vol.8 No.2: 286-294, 2015

Practical Calibration Curve of Small-type Optically Stimulated Luminescence (OSL) Dosimeter for Evaluation of Entrance Skin Dose in the Diagnostic X-ray Region. Kazuki Takegami

RPT Vol.8 No.1: 153-159, 2015

Expiratory Computed Tomographic Techniques: A Cause of a Poor Rate of Change in Lung Volume. Keiko Morikawa

2) Doi-Prize Award Ceremony and Basic Policy of Editing in RPT

Executive Editor Kunio Doi

3) Doi-Prize Award Lectures

A) Diagnostic Imaging

Chairman Teikyo Univ. Shigehiko Katsuragawa

RPT Vol.10, No.3: 279-285

Evaluation of Pre-surgical Models for Uterine Surgery by Use of Three-dimensional Printing and Mold Casting Gifu University Sayed Ahmad Zikri Bin Sayed Aluwee

B) MRI, Nuclear Medicine and Informatics

Chairman Kitasato Univ. Tomoyuki Hasegawa

RPT Vol.10, No.1: 41-48

Fully Parametric Imaging with Reversible Tracer ¹⁸F-FLT within a Reasonable Time

Kagawa University Nobuyuki Kudomi

C) Radiation Therapy, Protection and Dosimetry

Chairman ANTM Masahiro Endo

RPT Vol.10, No.1: 60-67

Dose Reduction Technique in Diagnostic X-ray Computed Tomography by Use of 6-Channel Multileaf

Collimators

Fujita Health University Fumio Hashimoto

Invited Lectures

Invited Lecture 1

April 14 (Sat.) 13 : 00 ~ 14 : 00 (502)

Chairman Kanazawa University Katsuhiko Ichikawa

National Cancer Center Hospital East Yoshihisa Muramatsu

[Computed Tomography: State of the Art and Future Developments]

The University of Erlangen Willi A. Kalender

Invited Lecture 2

April 14 (Sat.) 14 : 00 ~ 15 : 00 (502)

Chairman International University of Health and Welfare Kenta Miwa

[Initiatives to Characterize and Improve Quantitative Imaging with Positron Emission Tomography (PET)]

The University of Washington Paul Kinahan

Symposia

Symposium 1

April 15 (Sun.) 8 : 50 ~ 10 : 50 (503)

Chairman NTT Medical Center Tokyo Atsuko Tsukamoto

[The Futures of Radiation Protection and Team Approach to Health Care]

1. Justification and Optimization in Clinical Radiology: A Collaborative Approach

International University of Health and Welfare Hospital Masaaki Akahane

2. Role of Radiological Technologists in Radiation Protection in the Operating Room

Chiba University Hospital Hideyuki Kato

3. Role of Radiological Technologists in Radiation Protection of IVR

Showa University Fujigaoka Hospital Koushi Sakiyama

4. "Omotenashi" By the Radiation Team for Patients

Kohsei Chuo General Hospital Junko Noguchi

Symposium 2

April 14 (Sat.) 8 : 50 ~ 10 : 50 (501)

Chairman National Institutes for Quantum and Radiological Science and Technology Yasuo Okuda

[Integration of Medical Engineering and Radiological Technology: Expected New Technology]

1. Radiation Dose Structure Report in the DICOM Standard Tohoku University Hospital Hiroshi Sakamoto

2. Utilization of RDSR in Angiography

Fukuoka University Hospital Tokitaka Ueno

3. Utilization of RDSR Information in CT Exposure Dose Evaluation System WAZA-ARI

National Institute of Radiological Sciences Yusuke Koba

4. The International Standards for RDSR

Japan Medical Imaging and Radiological Systems Industries Association Yuji Oda

Symposium 3

April 14 (Sat.) 15 : 00 ~ 17 : 00 (503)

Chairman Tenri Hospital Shigeo Nishiki

[Technical Innovation Required by MRI]

1. Viewpoint of a Radiologist

Iwate Medical university Makoto Sasaki

2. Viewpoint of Engineers Engaged in Clinical Practice

Eda Clinic Orthopedics Surgery and Rehabilitation Koji Uchida

3. Viewpoint of Engineers Engaged in Research

Iwate Medical university Tsuyoshi Matsuda

4. Viewpoint of Engineers Involved in Preclinical Practice

Okinawa Institute of Science and Technology Graduate University Keigo Hikishima

Collaborative Symposium in Medicine and Engineering

April 13 (Fri.)8 : 50~11 : 20(501)

Chairman Osaka University Shigeyoshi Saito

Tokyo Women's Medical University/Waseda University Yuka Matsuura

「Take Advantage of Radiological Technology」

1. Possibility of Radiological Technology Expanded by International Medical-industrial Partnerships

LISIT, Co., Ltd. Shuji Yamamoto

2. Development of Location Information Technology into Medical Field

Kokusai Kogyo Koji Hasegawa

3. Medical Device Development Fixing Eyes on Business Strategy

GE Masanori Otake

4. Medical Device Development: Comparison Between Japan and USA

Stanford University Fumiaki Ikeno

5. Clinical Experiences of Developing Intraoperative Advanced Techno-solutions

Tokyo Women's Medical University Kitaro Yoshimitsu

6. The Management for Medical-engineering Interdisciplinary Teams

Yokohama National University Masaya Onuma

Education Committee Sessions

Education Committee Session 1

April 15 (Sun.)12 : 00~12 : 45(F201 + 202)

Chairman Gifu University of Medical Science Hiroko Nishide

「How Do You Approach Reading a Scientific Paper in English?」

Nagoya University Hospital Mariko Kawamura

Education Committee Session 2

April 14 (Sat.)12 : 00~12 : 45(F203 + 204)

Chairman Niigata University Medical & Dental Hospital Tsutomu Kanazawa

「Article Search Know-how」

Toranomon Hospital Junji Takahashi

Educational Lectures

Educational Lecture 1 (Diagnostic Imaging)

April 13 (Fri.)8 : 50~9 : 50(503)

Chairman Eastern Chiba Medical Center Noriyuki Yanagawa

「Reconsideration of Contrast-enhanced Theory in the Liver: - What Should We Prioritize? -」

Saitama Medical University International Medical Center Tomoaki Ichikawa

Educational Lecture 2 (Measurement)

April 13 (Fri.)8 : 50~9 : 50(414 + 415)

Chairman Tokyo Metropolitan University Yoh Katoh

「The Development of the Standard for the Eye Lens Dosimetry」

National Institute of Advanced Industrial Science and Technology Tadahiro Kurosawa

Educational Lecture 3 (Medical Informatics)

April 13 (Fri.)15 : 00~16 : 00(501)

Chairman Tohoku University Hospital Hiroshi Sakamoto

「Current Status and Measures of Cyber Crime and Cyber Attack」

Kanagawa Prefectural Police Department Tomoyoshi Uno

Educational Lecture 4 (Image Sciences)

April 13 (Fri.)15 : 00~16 : 00(502)

Chairman Kumamoto University Junji Shiraishi

「The Way to Overcome Scattered X-rays.」

Osaka General Medical Center Masao Funahashi

Educational Lecture 5 (Diagnostic Imaging)

April 14 (Sat.)8 : 50~9 : 50(503) Chairman The Jikei University Kashiwa Hospital Hisashi Kitagawa
 「To Make a Ingenuity in the MR Scan - With Other Modalities -」 Otsu City Hospital Noriatsu Ichiba

Educational Lecture 6 (Radiation Protection)

April 14 (Sat.)8 : 50~9 : 50(414 + 415) Chairman University of Tsukuba Tomonori Isobe
 「Space Radiation and Bio-dosimetry」 Japan Aerospace Exploration Agency Kenshi Suzuki

Educational Lecture 7 (Nuclear Medicine)

April 14 (Sat.)10 : 50~11 : 50(502) Chairman Ibaraki Prefectural University of Health Sciences Hiroyuki Tsushima
 「Radiomics in Nuclear Medicine」 Hokkaido University Kenji Hirata

Educational Lecture 8 (Diagnostic Imaging)

April 15 (Sun.)8 : 50~9 : 50(502) Chairman Nara Medical University Hospital Mitsuhiro Nakamae
 「Clinical Utility of Ultrasonography for the Foot and Ankle Disorders in Orthopaedics」
 Waseda University Tsukasa Kumai

Educational Lecture 9 (Radiotherapy)

April 15 (Sun.)8 : 50~9 : 50(National Convention Hall) Chairman Yamagata University Hospital Koji Suzuki
 「Overview of Deformable Image Registration Guideline in Japan」
 Tokyo Metropolitan Cancer and Infectious Diseases Center Komagome Hospital Satoshi Kito

Scientific Divisions

83rd. Image Sciences Division

April 13 (Fri.)16 : 00~18 : 00(502) Chairman Kitasato University Medical Center Satoshi Yanagita
 Tohoku University Hospital Shu Onodera
 「Basic of Scatter Removal -Scatter Removal Grids and Grid-like Image Processing are Similar but Different-」
 1. Scatter Removal Grids and Grid-like Image Processing - Different Mechanism of Image Formation -
 Nagoya City University Hospital Ryo Higashide
 2. Performance Evaluation of Scatter Removal Grids Mitaya Manufacturing Co., Ltd. Goro Yokouchi
 3. The Mechanism of Image Quality Improvement Using Grid-like Image Processing
 A. Principle of Virtual Grid and Its Effect Fujifilm Corporation Naoya Amimoto
 B. Image Quality Improvement Using Canon's New Scatter Correction Function
 Canon Lifecare Solutions Inc. Yasushi Mukasa
 C. The Intelligent Grid Scattered X-ray Correction Processing System for Digital Radiography
 KONICA MINOLTA, INC Ryohei Ito
 D. Image Quality Improvement in Grid Less Image Processing 'skyflow Plus' Philips Taisuke Fujioka
 4. Efforts so Far in Performance Evaluation of Grid-like Image Processing
 Tokai University Hachioji Hospital Ryotaro Yuji
 5. Clinical Evaluation and Issues of Grid-like Image Processing
 Nara Medical University Hospital Mitsuhiro Nakamae

76th. Nuclear Medicine Division

April 14 (Sat.)15 : 00~17 : 00(502)

Chairman Institute of Advanced Clinical Medicine, Division of Cell Biology for Regenerative Medicine, Faculty of
Medicine, Kinki University Kohei Hanaoka

Kawasaki Medical School Hospital Yoshiharu Kangai

「Approach to Key Points for PET Experiment」

1. Basic Knowledge of Experiment on PET Imaging Kawasaki Medical School Hospital Yoshiharu Kangai
2. Study Techniques of the Performance Evaluation
Gunma Prefectural college of Health Sciences Hiromitsu Daisaki
3. Study Techniques of the Brain PET
Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology Kei Wagatsuma
4. Study Techniques of the Tumor PET Kyushu University Hospital Yuji Tsutsui

76th. Radiotherapy Division

April 15 (Sun.)9 : 50~11 : 50(National Convention Hall)

Chairman National Cancer Center Hospital East Takaki Ariji
Miyakojima iGRT Clinic Daisaku Tatsumi

「Clinical Uses of Deformable Image Registration (DIR) in the Radiotherapy」

1. Deformable Image Registration Algorithm and the Software in Clinical
Kanazawa University Akihiro Takemura
2. Acceptance Test, Commissioning and QA for DIR Tokushima University Hospital Motoharu Sasaki
3. Clinical Applications of DIR and Its Pitfalls -Auto Segmentation/Propagation and Dose Accumulation-
Kansai Medical University Hideki Takegawa
4. Various Uses of DIR in Clinical The University of Tokyo Hospital Toshikazu Imae

70th. Diagnostic Imaging Division

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

Chairman Eastern Chiba Medical Center Noriyuki Yanagawa
The Jikei University Hospital Hironori Yamakawa

「Pursuing Better Imaging Techniques in Radiology Theme A: General Radiography Helpful Sonographic
Knowledge for General Radiology」

1. The ABC's of Ultrasound Examination The Jikei University Hospital Hironori Yamakawa
2. Breast Ultrasound Examination to Help Mammography St. marianna university Masatoshi Ichinose
3. Abdominal Ultrasonography Useful for Computed Tomography
Toride Kitasoma Health Medical Center Medical Association Hospital Takehiko Oishi
4. Usefulness of Abdominal Ultrasonography in Magnetic Resonance Imaging
Tokyo Medical University Ibaraki Medical Center Kouichi Masuda
5. Cardiovascular Ultrasonod Useful for IVR Sakakibara Heart Institute Kazuya Takeda

70th. Diagnostic Imaging Division

April 13 (Fri.)9 : 50~11 : 50(503)

Chairman National Cancer Center Hospital East Keiichi Nomura
Fujita Health University Hospital Yoshihiro Ida

「Pursuing Better Imaging Techniques in Radiology Theme B: CT Review Reproducibility of 3DCTA and CT
Protocol」

1. Reproducibility and Scan Protocol of Head CTA Saga-Ken Medical Centre Koseikan Kota Mitsui
2. Cardiac Takase Clinic Tomonari Sano
3. Abdominal Area Kin-ikyo Chuo Hospital Wako Funayama
4. Congenital Heart Disease Nagoya City University Hospital Satoshi Tsubokura
5. Emergency Medicine Kurashiki Central Hospital Hiroyuki Yamamoto

70th. Diagnostic Imaging Division

April 14 (Sat.)9 : 50~11 : 50 (503)

Chairman The Jikei University Kashiwa Hospital Hisashi Kitagawa
Niigata University Medical & Dental Hospital Tsutomu Kanazawa

「Pursuing Better Imaging Techniques in Radiology Theme C: MR Reconsideration of Pulse Sequence Aiming at Standardization of MRI Imaging」

1. The Required and Recommended Sequences in the Brain MRI
The University of Tokyo Hospital Yuichi Suzuki
2. Pulse Sequence to Use by the Inspection of the Liver and Gall Pancreas (Recommendation)
Kanto Central Hospital Atsushi Amano
3. MRI of the Female Pelvis: Imaging Techniques Directly into the Clinical
Kobe University Hospital Katsusuke Kyotani
4. Reconsideration of Pulse Sequence in Male Pelvis
Minoh City Hospital Takano Yu Yamashiro

51st. Measurement Division

April 13 (Fri.)9 : 50~11 : 50 (414 + 415)

Chairman Ibaraki Prefectural University of Health Sciences Hitoshi Sato
Kanazawa University Hospital Kimiya Noto

「The Latest Topics on Hp(3)」

1. International Electrotechnical Commission Standard and Japan Industrial Standard Regarding Passive Integrating Dosimetry Systems for Personal and Environmental Monitoring
Japan Radioisotope Association Yoshihide Nakamura
2. Occupational Eye Dose in Interventional Cardiology Procedures
Tohoku University Koichi Chida
3. Measurement of Lens Equivalent Dose of IVR Physician Using 3-mm Equivalent Dosimeter
Butsuryo College of Osaka Shinya Imai

46th. Radiation Protection Division

April 14 (Sat.)9 : 50~11 : 50 (414 + 415)

Chairman NTT Medical Center Tokyo Atsuko Tsukamoto
Kawasaki University of Medical Welfare Yasutaka Takei

「The Frontier of Radiation Protection and Management」

1. The Concept of Doses in Radiation Protection? Equivalent Dose, Tissue Equivalent Dose, and Effective Dose
Cent-Medical Associates/Nagoya Medical Center Yoshiaki Hirofuji
2. The Important Issue of a Non-uniform Exposure Managing
Asahi General Hospital Takayuki Igarashi
3. Introduction of WAZA-ARI, a Web Calculator for Evaluating Organ Doses from CT Examination
Shinbeppu Hospital Takayasu Yoshitake
4. The Pitfall of Radiation Protection
FUKUSHIMA MEDICAL UNIVERSITY Takashi Ohba

31st. Medical Informatics Division

April 13 (Fri.)16 : 00~18 : 00 (501)

Chairman Hokkaido University of Science Takumi Tanikawa
Fukuoka University Hospital Tokitaka Ueno

「The Latest Trend of Information Security」

1. Threat and Fear of the Information Security in the Radiology Department
University of Fukui Hospital Yuriko Otani
2. Online Medical Information Provision and Secure Information Management for Medical Research
National Cerebral and Cardiovascular Koji Uemura
3. Information Security Management of Data Center and Network System
TechMatrix Kota Fujiwara
4. On the Handling of Medical Information in Collaborative Research
Hokkaido Information University Masahito Uesugi

Expert Subcommittee Lecture

Expert Subcommittee Lecture (CT)

April 13 (Fri.)8 : 00~8 : 45(501) Chairman Eastern Chiba Medical Center Noriyuki Yanagawa
「Utilize the Technology for CT Radiation Dose Optimization」
Chiba Kaihin Municipal Hospital Takashi Takagi

Expert Subcommittee Lecture (Imaging Sciences)

April 13 (Fri.)8 : 00~8 : 45(502) Chairman Hiroshima International University Megumi Yamamoto
「Basics of Spatial Filters」
Kitasato University Medical Center Masato Imahana

Expert Subcommittee Lecture (Nuclear Medicine)

April 13 (Fri.)8 : 00~8 : 45(F203 + 204) Chairman Kawasaki Medical School Hospital Yoshiharu Kangai
「Findings of Semi-quantitative Index Derived from 123-I-FP-CIT Images Using a Novel 3D-striatum Digital Brain」
Program in Biological System Sciences, Graduate School of Comprehensive Scientific Research, Prefectural University of Hiroshima Hideo Onishi

Expert Subcommittee Lecture (Measurement)

April 14 (Sat.)8 : 00~8 : 45(501) Chairman Kanazawa University Hospital Kimiya Noto
「Circuit and Characteristics of Radiation Detector」
University of Tsukuba Michiharu Sekimoto

Expert Subcommittee Lecture (CT)

April 14 (Sat.)8 : 00~8 : 45(503) Chairman Niigata University Medical & Dental Hospital Tsutomu Kanazawa
「MR Pulse Sequences to Clinical Applications」
Kurihara Central Hospital Rei Yoshida

Expert Subcommittee Lecture (Radiation Protection)

April 14 (Sat.)8 : 00~8 : 45(414 + 415) Chairman Fukushima Medical University Takashi Ohba
「The Role in Nuclear Incidents and Radiation Emergency Medicine」
Hiroshima University Hospital Eiji Nishimaru

Expert Subcommittee Lecture (Radiotherapy)

April 14 (Sat.)8 : 00~8 : 45(F201 + 202) Chairman Tokyo Women's Medical University Hospital Yuji Hanyu
「Revision of Radiation Injury Prevention Law」
TOKYO MEDICAL UNIVERSITY HOSPITAL Akihiko Chikuma

Expert Subcommittee Lecture (Medical Informatics)

April 14 (Sat.)11 : 05~11 : 50(F203 + 204) Chairman Osaka International Cancer Center Minoru Kawamata
「An Introduction to the MHLW Security Management Guideline V 5」
Research Institute of System Planning, Inc. Tsutomu Nozu

Expert Subcommittee Lecture (Radiotherapy)

April 14 (Sat.)12 : 00~12 : 45(F201 + 202) Chairman Hiroshima University Hospital Takeo Nakashima
「Outline of IGBT Guideline」
Saitama Cancer Center Toru Kojima

Expert Subcommittee Lecture (Imaging Sciences)

April 15 (Sun.)8 : 00~8 : 45(501) Chairman Gifu University Daisuke Fukuoka
「Classifier and Deep Learning」
Ritsumeikan University Ryohei Nakayama

Expert Subcommittee Lecture (Diagnostic Imaging)

April 15 (Sun.)8 : 00~8 : 45 (502) Chairman Rinku General Medical Center Shigeaki Nishiike
 「Significance and Practical in Emergency Imaging」 OSAKA UNIVERSITY HOSPITAL Takeo Azuma

Expert Subcommittee Lecture (Measurement)

April 15 (Sun.)8 : 00~8 : 45 (503) Chairman Ibaraki Prefectural University of Health Sciences Hitoshi Sato
 「Exposure and Absorbed Dose」 Nagoya University Shuji Koyama

Expert Subcommittee Lecture (Nuclear Medicine)

April 15 (Sun.)8 : 00~8 : 45 (414 + 415) Chairman Kanazawa Medical University Hospital Koichi Okuda
 「Nuclear Cardiology Using Solid-state CZT Camera: Its Characteristics and Future Trend」
 Kanazawa University Hospital Kenichi Nakajima

Expert Subcommittee Lecture (Medical Informatics)

April 15 (Sun.)8 : 00~8 : 45 (F201 + 202) Chairman University of Fukui Hospital Yuriko Otani
 「Introduction of Natural Language Processing」 Hokkaido University of Science Akiko Yagahara

Expert Subcommittee Lecture (Radiation Protection)

April 15 (Sun.)8 : 00~8 : 45 (F203 + 204) Chairman Kanazawa University Kosuke Matsubara
 「Evidence Based Radiation Health Risk」 University of Tsukuba Tomonori Isobe

Executive Committee Sessions

Executive Committee Session 1

April 15 (Sun.)12 : 00~12 : 45 (414 + 415) Chairman Osaka University Hospital Seiichi Ota
 「Visualization Technique of Biological Functional Magnetic Resonance Imaging」
 Kobe University Hospital Katsusuke Kyotani

Executive Committee Session 2

April 14 (Sat.)12 : 00~12 : 45 (501) Chairman Tenri Hospital Hidetaka Hayashi
 「Please Understand about the Japanese Society of Radiological Technology」
 Tenri Hospital Hidetaka Hayashi
 「Learn about JSRT」 Osaka General Medical Center Masao Funahashi

Executive Committee Session 3

April 13 (Fri.)12 : 00~12 : 45 (501) Chairman Osaka University Takayuki Ishida
 「Points to Note about Writing a Paper for Japanese Journal of Radiological Technology and Replying to
 Comments from Reviewers and Editorial Board Members」 Kurume University Hospital Hidemichi Kawata

Executive Committee Session 4

April 13 (Fri.)12 : 00~12 : 45 (F201 + 202) Chairman Osaka University Hospital Seiichi Ota
 「Applications of 3D Printing in Radiology」 Shiga Medical Center Research Institute Atsushi Fukuda

Executive Committee Session 5

April 14 (Sat.)12 : 00~12 : 45 (503) Chairman Kurashiki Central Hospital Takashi Tabuchi
 「MR-based Flow Visualization Without Contrast Media: Imaging Techniques and Clinical Applications」
 Kawasaki University of Medical Welfare Atsushi Ono

Executive Committee Session 6

April 15 (Sun.)8 : 00~8 : 45 (National Convention Hall)

Chairman Kumamoto University Hospital Yuji Nakaguchi

「Knowledge of Research Ethics Required When Presenting at the JSRT」

Miyakojima iGRT Clinic Daisaku Tatsumi

Executive Committee Session 7

April 15 (Sun.)12 : 00~12 : 45 (503)

Chairman Osaka University Shigeyoshi Saito

「Let's Visualize More the Brain with MRI!!」

The University of Tokyo Hospital Yuichi Suzuki

Executive Committee Session 8

April 13 (Fri.)12 : 00~12 : 45 (503)

Chairman Osaka University Shigeyoshi Saito

「Challenge to the Brain Mapping Using Ultra High Field MRI」

RIKEN BRAIN SCIENCE INSTITUTE (RIKEN BSI) Junichi Hata

Executive Committee Session 9

April 15 (Sun.)12 : 00~12 : 45 (502)

Chairman Tenri Hospital Shigeo Nishiki

「Basic Theory of Constructing General Radiography Techniques」

Former Nippon Medical School Chiba Hokusoh Hospital Yoshihiko Kawamura

Executive Committee Session 10

April 13 (Fri.)12 : 00~12 : 45 (414 + 415)

Chairman Kumamoto University Junji Shiraishi

「Introduction of Graduate Schools for Doctor Degree Part I」

「Graduate School of Health Sciences, Kumamoto University」

Junji Shiraishi

「Osaka University Graduate School of Medicine」

Kazuki Fukuchi

「Graduate School of Medical Care and Technology, Teikyo University」

Hiroki Otani

「International University of Health and Welfare Graduate School」

Yoshiyuki Hosokai

「Tokyo Metropolitan University Graduate School of Human Health Sciences」

Masahiro Fukushi

Executive Committee Session 11

April 15 (Sun.)13 : 00~14 : 30 (501)

Chairman Kumamoto University Junji Shiraishi

Teikyo University Yasuhiro Hiai

「Introduction of Graduate Schools for Doctor Degree Part II」

「Graduate School of Health Sciences, Kumamoto University」

Junji Shiraishi

「Graduate School of Health Sciences, Teikyo University」

Yasuhiro Hiai

「Graduate School of Health Sciences, Hirosaki University」

Yasuyuki Takahashi

「Graduate School of Radiological Technology, Gunma Prefectural College of Health Sciences」

Masayuki Shimosegawa

「Suzuka University of Medical Science Graduate School Health Science Tokyo Satellite Course」

Eisuke Yasuda

「Graduate School of Medicine, Kanazawa University」

Katsuhiro Ichikawa

「Graduate School of Health Sciences, Niigata University」

Naoya Takahashi

「Graduate Division of Health Sciences, Komazawa University」

Yasuo Okuyama

「Graduate School of Health Sciences, Hokkaido University」

Katsuhiko Ogasawara

「Ibaraki Prefectural University of Health Sciences, Graduate School of Health Sciences」

Masahiko Monma

「Graduate School of Medical Sciences, Kyushu University」

Toshiou Fujibuchi

Executive Committee Session 12

[English Presentation Support Seminar]

April 13 (Fri.)8 : 00~8 : 45 (503) Chairman Kumamoto University Junji Shiraishi

[English Presentation Support Seminar (CT)]

「Let's Master an English Presentation! -CT-」 Hiroshima University Hospital Chikako Fujioka

April 13 (Fri.)8 : 00~8 : 45 (414 + 415) Chairman Komazawa University Taiki Magome

[English Presentation Support Seminar (Radiation Protection/Measurement)]

「Let's Master an English Presentation! -Radiation Protection & Measurement-」
Kanazawa University Kosuke Matsubara

April 13 (Fri.)8 : 00~8 : 45 (F201 + 202) Chairman Kanazawa University Rie Tanaka

[English Presentation Support Seminar (MR)]

「Let's Master an English Presentation! -MR-」 Gunma Prefectural college of Health Sciences Norio Hayashi

April 13 (Fri.)12 : 00~12 : 45 (502)

Chairman Institute of Advanced Clinical Medicine, Division of Cell Biology for Regenerative Medicine, Faculty of Medicine, Kinki University Kohei Hanaoka

[English Presentation Support Seminar (Imaging Sciences)]

「Let's Master an English Presentation! -Imaging-」 Hiroshima International University Megumi Yamamoto

April 14 (Sat.)8 : 00~8 : 45 (502) Chairman Kanazawa University Rie Tanaka

[English Presentation Support Seminar (Diagnostic Imaging)]

「Let's Master an English Presentation! -Digital Radiography-」 Gunma Paz University Hideki Kato

April 14 (Sat.)8 : 00~8 : 45 (F203 + 204) Chairman Kanazawa University Kosuke Matsubara

[English Presentation Support Seminar (Medical Informatics)]

「Let's Master an English Presentation! -Medical Informatics-」 University of Fukui Hospital Yuriko Otani

April 14 (Sat.)12 : 00~12 : 45 (502) Chairman Gunma Prefectural college of Health Sciences Norio Hayashi

[English Presentation Support Seminar (Nuclear Medicine)]

「Let's Master an English Presentation! -Nuclear Medicine-」
Institute of Advanced Clinical Medicine, Division of Cell Biology for Regenerative Medicine, Faculty of Medicine, Kinki University Kohei Hanaoka

April 14 (Sat.)12 : 00~12 : 45 (414 + 415) Chairman Gunma Paz Gakuen Hideki Katoh

[English Presentation Support Seminar (Radiotherapy)]

「Let's Master an English Presentation! -Radiation Therapy-」 Komazawa University Taiki Magome

JIRA Workshop

Up-to-date Information about the Execution of the Medical Research Law

April 14 (Sat.)16 : 00~17 : 00 (414 + 415) Chairman JIRA Kimietsu Sato
Kumamoto University Junji Shiraishi

1. Outline of the Medical Research Law Effective from April 1, 2018
JIRA committee of safety and legislation Hiroshi Furukawa
2. Effect of the Proclamation and Execution of the Medical Research Law in the Field of Radiological Technology and Sciences
Kagawa University Hospital Naoki Nishimoto
3. Practical Experiences in the Inspection of an Authorized Medical Research
National institute for quantum and radiological science and technology Chieko Kurihara

Next Generation Session

April 13 (Fri.) 16 : 50 ~ 17 : 50 (416 + 417)

1. Tokyo Metropolitan University
2. Fujita Health University
3. Kumamoto University
4. Kanazawa University
5. Kanazawa University
6. International University of Health and Welfare
7. Hiroshima International University
8. International University of Health and Welfare

Chairman Osaka University Shigeyoshii Saito
 Kobe University Hospital Wakiko Tani
 Daiki Ito
 Yuya Kondo
 Reina Tsuruoka
 Emi Tomita
 Natsumi Kimoto
 Ayaka Maruyama
 Ryotaro Yasuda
 Tensho Yamao

Overseas Visitors Conference

April 13 (Fri.) 10 : 30 ~ 12 : 45 (Harbor Lounge B)

[International Exchange Program]

1. Introduction of JSRT, and its Activities for the Promotion of International Academic Exchange
 Global Committee Chair Rie Tanaka
2. Introduction of Radiological Physics and Technology (RPT) RPT Editorial Committee Chair Kunio Doi
3. Topics in JRC2018
 Global Committee Kohei Hanaoka
4. International Joint Mini-Symposium
 Introduction of CSIT Shandong Medical College Li Meng
 [Introduction of KSRS] Dongseo University Youngjin Jung
 [Introduction of TMPS] Chulalongkorn University Anchali Krisanachinda
 [Introduction of TWSRT] Yuanpei University of Medical Technology Chiung-Wen Kuo
 [Introduction of Division of Medical Physics, Malaysian Institute of Physics]
 University of Malaya Kwan Hoong Ng
5. Academic Exchange Report by JSRT Member
 Report of 25th CSIT Annual Meeting Kumamoto University Reina Tsuruoka
 [Report of 2017 KSRS Spring Meeting] Hiroshima University Hospital Kazunari Hioki
 [Report of TMPS 10th Annual Scientific Meeting] Eastern Chiba Medical Center Yurie Shimakawa
 [Report of 51st TWSRT Annual Meeting] Gunma Paz University Hideki Kato
6. Free Talk

Oral Presentation

April 12 (Thu.) 501

Nuclear Medicine (SPECT, Planar) Image Processing, Image Analysis 1

13 : 00~13 : 40 Chairman Toshimune Ito (Saiseikai Yokohamashi Tobu Hospital)
Koichi Sawada (Chiba University Hospital)

1. Automatic Measurement System for Mean Cerebral Blood Flow Based on Patlak Plot Method in Cerebral Blood Flow Scintigraphy Test
Department of Intelligence Science and Engineering, Graduate School of Natural Science and Technology, Gifu University Masaya Momiuchi
2. Feasibility of Automatic Grading for Dopamine Transporter SPECT Images by Using Machine Learning
Department of Radiological Technology, Faculty of Fukuoka Medical Technology, Teikyo University Takuro Shiiba
3. Phantom Study for Separation Method of Accumulated Amount of Caudate Nucleus and Putamen on I-123-Isosurpan SPECT
Fujita Health University Graduate School of Health Sciences Ryo Yamada
4. Study of Specific Binding Ratio Calculation Method Based on the Bolt Method in ^{123}I -FP-CIT SPECT Imaging
Department of Radiology, Edogawa Hospital Yasuhiro Inokuchi

Nuclear Medicine (SPECT, Planar) Image Processing, Image Analysis 2

13 : 40~14 : 20 Chairman Takahiro Konishi (Kanazawa University Hospital)
Soichiro Kashiwaya (Kanazawa Municipal Hospital)

5. Validation of Myocardial Viability in Hypertrophic Cardiomyopathy on Myocardial SPECT Using Reconstruction Algorithms in a Solid-state Dedicated Cardiac Camera.
Department of Radiological Technology, Kurashiki Central Hospital Kunihito Tsuboi
6. Non-uniform Sampling Pitch Acquisition Method in Myocardial SPECT: Interpolation along Projection Trajectory
Faculty of Radiological Technology, School of Health Sciences, Fujita Health University Kurumi Murata
7. Studies on the Precision Improvement of the Heart-to-mediastinum Ratio Measurement by Using SPECT-CT Data Extracted Myocardium and Mediastinum
Department of Radiological and Medical Laboratory Science, Nagoya University Graduate School of Medical Ryuto Mukumoto
8. Evaluation of Deficit Score with a Reconstruction Method Dedicated for Cardiac in a Myocardial Perfusion SPECT Using a Semiconductor System.
Department of Radiological Technology, Kurashiki Central Hospital Yuji Kawakami

Nuclear Medicine (SPECT, Planar) Image Processing, Image Analysis 3, Radionuclide Therapy

14 : 25~15 : 35 Chairman Yoshiharu Kangai (Kawasaki Medical School Hospital)
Noriaki Miyaji (Cancer Institute Hospital of JFCR)

9. Total-variation Joint Planar Imaging for Parathyroid Scintigraphy
Medical Imaging Program, Department of Radiology, Faculty of Medicine, Chulalongkorn University Thunyaluk Sawatnatee
10. Development of the Automated Z-score Calculation Software Using Bone SPECT/CT Image
Department of Radiological Sciences, International University of Health and Welfare Kenta Miwa
11. Characteristic Evaluation of New Image Reconstruction with Conjugate Gradient Method for Bone SPECT/CT
Department of Radiology, Cancer Institute Hospital of JFCR Noriaki Miyaji
12. Effect of Some Corrections on Semi-quantitative Bone SPECT Analysis: Based on the Harmonizing Study
Office of Radiation Technology, Keio University Hospital Yudai Kamochi
13. Evaluation of Bone Metastatic Burden by Quantitative Bone SPECT/CT in Metastatic Prostate Cancer Patients: Defining SUV Threshold Value and Response in Radium-223 Treated Patients
Department of Nuclear Medicine, Cancer Institute Hospital of Japanese Foundation for Cancer Research Takuro Umeda
14. Assessment of Optimal Collimator in Ra-223 SPECT Imaging: A Monte Carlo Study
Department of Health sciences, Graduate School of Medical sciences, Kyushu University Hibiki Ueno
15. External Exposure Dose of Na I-131 Radionuclide Therapy for the Radiation Protection Worker
School of Health Sciences, Hirosaki University Kyoka Kudo

Theme Session New Technology Development

15 : 45~16 : 45 Chairman Mitsuhiro Nakamae (Nara Medical University Hospital)
 Yuichi Aoyama (Yachiyo Hospital)

- 16. Potentiality of Effective Atomic Number Image Based on Photon Counting Technique for Achieving Proper Diagnosis Using Plain X-ray
 Division of Health Sciences, Graduate School of Medical Sciences, Kanazawa University Natsumi Kimoto
- 17. Evaluation of High Definition Imaging System for X-ray Angiography Toshiba Medical Systems Corporation Keisuke Nakamura
- 18. Application of 4D Dynamic Robotic Phantom System to Patient Specific QA for Image-guide Real-time Tumor-tracking Radiotherapy
 Department of Radiation Oncology, Graduate School of Medicine, Yamaguchi University Takehiro Shiinoki
- 19. Examination of the Real-time Exposure Dosimetry System Using Synthetic Ruby on the Radiation Therapy
 International University of Health and Welfare, School of Health Sciences, Department of Radiological Sciences Ayaka Maruyama

Measurement (Angiography) Radiation Dose Evaluation

16 : 55~17 : 25 Chairman Satoru Kawauchi (Toranomom Hospital)
 Hiroaki Suzuki (Jikei University School of Medicine)

- 20. Study on New Real-time Patient Radiation Dosimeter for Use in Cardiac Interventional Radiology
 Research Institute for Brain & Blood Vessels-Akita Mamoru Kato
- 21. The Evaluation of Image Quality and Radiation Dose of a Fluoroscopy System in Conjunction with Spectral Shaping Filters
 Department of Radiology, Shiga Medical Center for Adults Nao Ichikawa
- 22. Proposal of Accurate Calibration for Measuring Eye Lens Dose of the Operator during Transfemoral Cardiac Catheterization with Fluoroscopic System
 Using an OSL Dosimeter Graduate School of Health Sciences, Tokushima University Takashi Asahara

Radiation Protection (Angiography, Interventional Radiology) Radiation Exposures

17 : 30~18 : 00 Chairman Kazuma Matsumoto (Hyogo College Of Medicine)
 Yusuke Masubuchi (Nasu Red Cross Hospital)

- 23. Evaluation of Trend and Reducing Patient Exposure Dose with DICOM-RDSR Department of Radiology, Shinkomonji Hospital Koichi Morota
- 24. The Average Patient Equivalent Dose from Brain Arteriovenous Malformation Neurointerventional Procedures at King Chulalongkorn Memorial Hospital
 Medical Imaging Graduate Program, Department of Radiology, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand Rasalin Thana
- 25. Reduction Method of Radiation Exposure for Anesthesiologist and Transesophageal Echocardiographer in Structural Heart Disease Interventions
 Division of Radiology, Department of Medical Technology, Kyushu University Hospital Hitoshi Miyazaki

April 12 (Thu.) 502

Radiotherapy (Treatment Planning-1)

13 : 00~13 : 40 Chairman Yuji Hanyu (Tokyo Women's Medical University Hospital)
 Masaru Nakajima (Cancer Institute Hospital of JFCR)

- 26. Evaluation of Metal Artifact Reduction and Virtual Monochromatic Energy Image for Radiation Therapy Planning CT
 Department of Radiological Technology, Japan Community Health care Organization Kumamoto General Hospital Katsumi Mizouchi
- 27. Impact of Image Value to Density Table Using Metal Plug on Evaluation of Head and Neck Intensity Modulated Radiotherapy in TomoTherapy Adaptive Plan
 Department of Medical Technology, Osaka City General Hospital Hiroyuki Inoue
- 28. Quantification of Feasibility of a Metal Artifact Reduction Technique for Delineation of GTV in RTP for Head and Neck Cancer
 Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University Noriyuki Nagami
- 29. Dosimetric Verification around High-density Materials Using Dual Energy CT of Extended CT Scale in External Beam Radiation Therapy
 Department of Radiology, Division of Medical Technology, Hirosaki University School of Medicine and Hospital Hideki Obara

Radiotherapy (IGRT-1)

13 : 40~14 : 30 Chairman Koji Sasaki (Gunma Prefectural College of Health Sciences)
Ryuichi Yada (Kobe University Hospital)

30. The Effect of Breathing Hold Four-divided CBCT on the Reconstructed Image: In the Case of Respiratory Movement Direction Is Cranio-Caudal Direction
Seirei Hamamatsu General Hospital, Division of Radiology Yasuyuki Sugiura
31. Evaluation of Uncertainty in Target-based Patient Positioning in IGRT for Prostate Cancer
Division of Radiology, Department of Medical Technology, Kyushu University Hospital Taka-aki Hirose
32. The Detection Accuracy and the Influence of Metal Artifacts of Two Types of Implanted Marker for Respiratory-gated Radiation Therapy with a Real-time Tumor Tracking System
Department of Radiology, Juntendo University Hospital Naoya Hara
33. Inter-observer Error of CBCT Registration for Prostate IGRT
Department of Radiology, Tokai University Hospital Shota Maehira
34. Automated Framework for Estimation of Lung Tumor Locations in Kilovolt Cone-beam Computed Tomography Images for Target-based Patient Positioning in Stereotactic Lung Body Radiotherapy
Department of Clinical Radiology, Kyushu University Beppu Hospital Satoshi Yoshidome

Radiotherapy (Body Surface Detector)

14 : 30~15 : 00 Chairman Takaki Arijji (National Cancer Center Hospital East)
Yukinao Abe (Chiba University Hospital)

35. Investigation of Respiratory Control Using 3D Body Surface Scanner with Sound Guide
Seirei Hamamatsu General Hospital Hiroshi Anma
36. Analysis of Intra-fractional Variation Using 3D Body Surface Scanner
Seirei Hamamatsu General Hospital Shuhei Okabe
37. Measurement of Target Shift in Deep Inspiration Breath Hold for Breast Irradiation Using 3D Body Surface Scanner
Seirei Hamamatsu General Hospital Shinya Hasegawa
38. withdrawn

Radiotherapy (Breathing Management)

15 : 00~15 : 40 Chairman Akitane Osaka (Niigata Prefectural Central Hospital)
Kenji Matsumoto (Kindai University Hospital)

39. Investigation of the Division Method of the Treatment Field with Deep Inspiration Breath Hold for Breast Tangential Irradiation
Seirei Hamamatsu General Hospital, Division of Radiology Tatsunori Saito
40. Intrafraction Positional Variation in Lung Tumors Using Daily Breath-hold Cone-beam Computed Tomography
Department of Radiology, Kyoto City Hospital, Kyoto Kazunori Tanaka
41. Analysis of Frequency and Amplitude of Patient Position Correction during Treatment in Real-time Tumor-tracking Radiation Therapy
Department of Radiological Technology, Hokkaido University Hospital Daisuke Ando
42. Verification of Wedge Angle When Dynamic Wedge Is Used in Respiratory-gated Radiotherapy
Medical Technology Department, Ise Red Cross Hospital Yasushi Iwamoto

Radiotherapy (Brachytherapy)

15 : 50~16 : 30 Chairman Toru Kojima (Saitama Cancer Center)
Daisuke Kobayashi (University of Tsukuba Hospital)

43. Rectum Dose Measurements Using Novel Dosimetric System during High-dose-rate Ir-192 Brachytherapy Treatment of Cervical Cancer
Division of Health Sciences, Graduate School of Medical Sciences, Kanazawa University Emi Tomita
44. Evaluation of Uncertainties in Accelerated Partial Breast Irradiation by Using a Strut-based Design Brachytherapy Applicator
Department of Radiology, Showa University Hospital Tadashi Kubo
45. Impact of Needles and Contrast Medium in Pelvic CT Images for High Dose Rate Brachytherapy on Deformable Image Registration Accuracy
Division of Health Sciences, Graduate School of Medical Science, Kanazawa University Noriomi Yokoyama
46. Radioactive Seed Localization Is the Preferred Technique in Nonpalpable Breast Cancer Compared with Wire-guided Localization
Shandong cancer hospital affiliated to Shandong University, China Yun Li

Radiotherapy (Particle Therapy-1)

16 : 40~17 : 30 Chairman Takahiro Kato (Southern TOHOKU Proton Therapy Center)
Toshihiro Yanou (Hyogo Ion Beam Medical Center)

- 47. Evaluation of Range Deviation of Proton Beam Using in Room CT Image at the Proton Therapy
Proton Therapy Center, Sapporo Teishinkai Hospital Ayaka Kikuchi
- 48. Dosimetric Evaluation of Interplay Effect in Single-field Uniform Dose and Intensity Modulated Proton Therapy
Nagoya Proton Therapy Center Kensuke Hayashi
- 49. Comparison of Uncertainties Derived from the Calibration Phantom in Single and Dual Energy CT Proton Stopping Power Ratio Calibration
Department of Radiology, Kouseikai Takai Hospital Ryosaku Yamada
- 50. Development of Dose Verification Program for Proton Beam Therapy
Faculty of Radiological Technology, Graduate School of Health Sciences, Fujita Health University Yusuke Ueshima
- 51. The Calculation of Dose Equivalent Rate Outside Shielding in Compact Proton Therapy Facility
Medical Physics Program, Faculty of Medicine Chulalongkorn University, Bangkok Tanawat Tawonwong

Radiotherapy (Radiobiology)

17 : 30~18 : 00 Chairman Masahide Tominaga (Tokushima University Graduate School)
Hirofumi Honda (Ehime University Hospital)

- 52. Quantification of Proliferative Potential of Tumor Cells and Its Implementation to Cell Survival Model
Department of Health Sciences, School of Medicine, Hokkaido University Shingo Naijo
- 53. Model Selection of Cell Survival after Radiation Exposure at High Dose Rates
Department of Health Sciences, School of Medicine, Hokkaido University Tamao Miyao
- 54. Effect of Interruption Time with Photon Beams Based on Microdosimetric Kinetic Model
High-precision radiotherapy center, Hiroshima Heiwa Clinic Hisashi Nakano

April 12 (Thu.) 503

Imaging Techniques and Research (CT) Performance Evaluation

13 : 00~13 : 30 Chairman Katsumi Tsujioka (Fujita Health University)
Shigehiro Ochi (Eastern Chiba Medical Center)

- 55. Image Quality and Radiation Dose Assessment of Mobile Cone-beam CT Scanner: Thailand Innovation (Phantom Study)
Princess Sirindhorn Craniofacial Center, King Chulalongkorn Memorial Hospital, Thai Red Cross Society Nond Rojvachiranond
- 56. Study of Temporal Resolution by Difference of Image Reconstruction Mode Department of Radiology, Kusatsu General Hospital Hiroki Okada
- 57. Analysis of the Temporal Sensitivity Profile in X-ray Computed Tomography
Department of Radiology, Division of Medical Technology, Tohoku University Hospital Yumi Takane

Imaging Techniques and Research (CT) Iterative Reconstruction

13 : 35~14 : 25 Chairman Toshihiro Ishihara (National Cancer Center Hospital)
Yumi Takane (Tohoku University Hospital)

- 58. Evaluation of Low Contrast Detectability of Thin Slice Image Using Iterative Reconstruction for Head
Department of Radiology, Shimane University Hospital Shota Hosogoshi
- 59. Usefulness of CT Image Using Thin Slice Thickness and Iterative Reconstruction in Acute Stage Cerebral Infarction
Department of Radiology, Chiba University Hospital Kenta Tako
- 60. Evaluation of Image Quality across Different Computed Tomography Scanners on Various Clinical Protocols
Chulalongkorn University Hataipat Jantawong
- 61. The Impact of Dynamic Range-narrowing Preprocessing in Structural Similarity (SSIM)-based Image Quality Assessment on CT Images Obtained by Iterative Reconstruction
Department of Radiology, Osaka University Hospital Sachiko Yamada
- 62. Superior Image Noise Suppression with Higher View Rate in Abdominal CT with Model Based Iterative Reconstruction: A Phantom Study
Division of Medical Technology, Kyushu University Hospital. Masatoshi Kondo

Imaging Techniques and Research (CT) Artifact

14 : 30~15 : 20 Chairman Mitsunori Goto (Miyagi Cancer Center)

Takayuki Kobayashi (Kitasato University Kitasato Institute Hospital)

63. Comparative Evaluation of Helical Artifacts and Image Quality among Different Detector Configurations Using Area Detector Computed Tomography
Department of Medical Technology, Osaka General Medical Center Yohei Miura
64. Evaluation of Streak Artifacts Caused by Different Materials in Computed Tomography: Comparison of Evaluation Methods
Department of Radiology, Yamagata University Hospital Kazutaka Hoyoshi
65. Reduction in Motion Artifact on Respiratory-gated CT Imaging of Head Department of Radiology, Yokkaichi Municipal Hospital Masato Yoshida
66. Novel Animation Projection System for Pediatric Head CT: Effect on Examination Time, Motion Artifact, Examination Success Rate
Department of Radiology, Mie University Hospital Kengo Hashizume
67. Study on Optimum Reconstruction Interval in Respiratory Dynamic CT Diagnostic imaging center, Ohara memorial foundation Shun Muramatsu

Imaging Techniques and Research (CT) Metal Artifact

15 : 25~16 : 05 Chairman Tadanori Takata (Kanazawa University Hospital)

Takuya Chiba (Iwate Medical University Hospital)

68. Phantom Study of Metal Artifact Reduction Reconstruction Technique
Center for Radiological Sciences, Iwate Medical University Heart center Akinobu Sasaki
69. The Effect of Full Iterative Reconstruction and Metal Artifact Reduction Algorithm on Agatston Score of a Coronary Calcification Phantom with a Cardiac Pacemaker
Department of Radiology, Tokyo University Hospital Kenta Nakada
70. The Effect of Single Energy Metal Artifact Reduction Algorithm and Iterative Reconstruction on CT Image Quality of a DVT Phantom Resembling the Pelvis after Artificial Hip Joint Operation
Department of Radiology, Tokyo University Hospital Yudai Hashiba
71. The Effect of Iterative Reconstruction and Metal Artifact Reconstruction Algorithm on Ultra High Resolution CT Image of the Phantom with Metal Rod
Department of Radiology, The University of Tokyo Hospital Kenji Ino

Imaging Techniques and Research (CT) Cardiac CT

16 : 15~16 : 35 Chairman Yosuke Kogure (Juntendo University Hospital)

Chikako Fujioka (Hiroshima University Hospital)

72. Accuracy of Pulmonary Vein Isolation for Atrial Fibrillation Using Non-enhanced Cardiac Computed Tomography (CT): Comparison of Contrast Enhanced Cardiac CT
Department of Radiological Technology, Tsuchiya General Hospital Yoriaki Matsumoto
73. The Influence of Contrast Effect on the Difference in Concentration of Iodine Contrast Medium on Coronary CT Angiography, Retrospective Study and Phantom Study with Artificial Heart-lung Machine
Department of Radiology, Kobe Redcross Hospital Takayuki Miyayasu

Imaging Techniques and Research (CT) CT Colonography

16 : 40~17 : 10 Chairman Yushi Hirano (Otaru Ekisaikai Hospital)

Naoya Ikeno (National Cancer Center Hospital)

74. Low Volume Split-dose Bowel Preparation Using Barium for Computed Tomography Colonography-The Volume of Residual Stool and Tagging Quality-
Tokushima Kensei Hospital Teruaki Iwano
75. Study of Acceptability and Bowel Distention of CT Colonography
Department of Radiology, Tochigi Medical Center Minami Ezure
76. Basic Study of Ability to Depict Lesions Using Ultra-high Resolution CT
Department of Radiology, Fujita Health University Hospital Yujiro Doi

Imaging Techniques and Research (CT) Perfusion

17 : 15~17 : 55 Chairman Hiroyuki Yamamoto (Kurashiki Central Hospital)

Koichi Sugisawa (Keio University Hospital)

77. Infarct Core Estimation According to Cerebral Blood Flow Using CT Perfusion in Acute Stroke Patients
Department of Radiological Technology, Kurashiki Central Hospital Shota Ichikawa
78. Evaluation of Model-based Iterative Reconstruction on Quantitative Cerebral CT Perfusion
Department of Radiological services, Tokyo Women's Medical University Hospital Hiroyuki Hashimoto

79. Effect of Revolution CT on the Perfusion Values of the Pancreas Scanning Phase Interval
The First Affiliated Hospital of China Medical University Zequn Liu
80. Sequential Subtraction Using One Volume Scan of 320 Row ADCT
Faculty of Radiological Technology, School of Health Sciences, Fijita Health University Katsumi Tsujioka

April 12 (Thu.) 414 + 415

Measurement (Mammography) Radiation Dose Evaluation

- 13 : 00~13 : 40 Chairman Michiharu Sekimoto (University of Tsukuba)
Michiko Nemoto (Keio University Hospital)
81. Basic Study of Dose Assessment for Phase-contrast Mammography
Ibaraki Prefectural University of Health Sciences Erika Nakajima
82. Study of the Quality Control of Mammographic X-ray Apparatus Using the Self-made Semiconductor Dosimeter and a High Purity Aluminum Plate
Department of Radiology, Northern Okinawa Medical Center Tomoko Sekiguchi
83. Weekly Dose Control of General X-ray Imaging and Mammographic Equipment by Simple Dosimeter Using Photodiode
Department of Diagnostic Radiology, Tokyo Metropolitan Hiroo Hospital Tsuyoshi Kobayashi
84. Estimation of Eye Lens and Thyroid Gland Doses in Digital Breast Tomosynthesis
Department of Quantum Medical Technology, Graduate School of Medical Science, Kanazawa University Thunyarat Chusin

Measurement (CT) Radiation Dose Evaluation 1

- 13 : 40~14 : 30 Chairman Shuji Koyama (Nagoya University)
Kazuki Kuriyama (The Jikei University Kashiwa Hospital)
85. Evaluation of the Surface Dose Combined of Radiation Exposure Reduction Mechanism for Lens and Low Tube Voltage Imaging
Saiseikai Kawaguchi General Hospital Natsuki Ogino
86. Evaluation of Radiation Dose in Cardiac CT Examination Using Different Tube Voltage
Department of Radiological Technology, Toyotakosei Hospital Hideki Shibata
87. Effect of Tube Voltage and Spectral Filtration on Absorbed Dose Distributions in Chest Computed Tomography
Department of Quantum Medical Technology, Faculty of Health Sciences, Institute of Medical, Pharmaceutical and Health Sciences, Kanazawa University
Kosuke Matsubara
88. Measurement of the Exposure Dose of Eye Lens on the CT Examination of the Head Region Using Synthetic Ruby
Department of Radiology and Information, Health Department, International University of University Welfare Toshiya Yamaguchi
89. Size-specific Dose Estimates for Fetus at Abdominal CT
Department of Radiology, The Jikei University Hospital Kaye Showler

Measurement (CT) Radiation Dose Evaluation 2

- 14 : 30~15 : 10 Chairman Tomokazu Shouji (Jikei University School of Medicine)
Yuta Matsunaga (Nagoya Kyoritsu Hospital)
90. Application of the Correction Factor for Improving CTDI Measurement Accuracy Using a Semiconductor Detector
Saiseikai Kawaguchi General Hospital Masakazu Shito
91. Measurement of Cross-sectional Effective Energy Using Copper-pipe Absorbers in X-ray CT
Department of Quantum Medical Technology, Graduate School of Medical Science, Kanazawa University Rena Okubo
92. A New Method of Measuring Radiation Output Not Involved in Beam Width in Modern CT System
Division of PET Imaging, Shiga Medical Center Research Institute Atsushi Fukuda
93. Doses Caused by Overranging Effect: Radiosensitive Organ Dose Measurement Using a Small-type OSL Dosimeter during High Pitch Dual-source CT for Chest Scan
Department of Radiological Technology, Yamaguchi University Hospital Kazuki Takegami

Medical Informatics (Radiation Dose Management System), Other

- 15 : 10~16 : 00 Chairman Tokitaka Ueno (Fukuoka University Hospital)
Hirotaka Shimura (Tohoku University Hospital)
94. Three-dimensional Graphics System of Medical Images on the Web for Patients
Vocsis Corporation Koji Kobayashi

95. About a Utility of the Radiation Dose Information Management Using DICOM Radiation Dose Structured Report
Department of Radiology, Kyorin University Hospital Takayuki Yonaha
96. Construction of the Next Dose Management System for X-ray CT Examination
Osaka General Medical Center Takashi Nishida
97. Study of Research Database Created from Medical Document System and Radiology Information System
Infocom Corporation Eri Hisano
98. Trial of the Next-generation Dose Management System in Our Hospital
Osaka General Medical Center Yusuke Komeya

Theme Session: Preclinical Study · Basic Technology 1

16 : 00~16 : 45 Chairman Shigeyoshii Saito (Osaka University)
Yoichiro Hosokawa (Hirosaki University)

99. Pulmonary Function Diagnosis Based on Diaphragm Movement with Dynamic Flat-panel Detector Imaging: an Animal-based Study
College of Medical, Pharmaceutical & Health Sciences, Kanazawa University Rie Tanaka
100. Characterizing Bone Marrow Cell Damage and Subpopulation in Mice after High Dose X-ray Exposure
Hirosaki University Graduate School of Health Sciences Yuki Morino
101. Predictive Biomarkers of Toxicity in Radium-223 Therapy for Bone Metastasis Patients
Hirosaki University Graduate School of Health Sciences Yoshihiko Kasai

Theme Session: Preclinical Study · Basic Technology 2

16 : 45~18 : 00 Chairman Eisuke Sato (Kyorin University)
Hitoshi Kubo (Fukushima Medical University)

102. Comparison of Various Primate Specimen Brain Structure Using MRI Images
Tokyo Metropolitan University Faculty of Health Science Department on Radiological Sciences Kazumi Sogabe
103. MTR of Non-human Primates in Brain Development and Developmental Disorder
Department of Radiological Sciences, Graduate School of Human Health Sciences, Tokyo Metropolitan University Marin Nishio
104. Development of MR Elastography of the Supraspinatus and the Trapezius Muscles
Department of Radiological Science, Graduate School of Human Health Science, Tokyo Metropolitan University Daiki Ito
105. Assessment of Brain Metabolites in Senescence-accelerated Mouse Using 11.7 T-MRI
Open and Transdisciplinary Research Initiatives, Osaka University Saki Izumi
106. Visualization of Contrast-enhanced Cerebrospinal Fluid Distribution on Lymphatic Wastes Clearance Pathways in Rat Brain Utilizing Repeated MRI Following Intraarterial Administration of Gd-DTPA
Faculty of Radiological Technology, School of Health Sciences, Fujita Health University Masayuki Yamada

April 12 (Thu.) F201 + 202

Imaging Techniques and Research (DR, IVR) Development

13 : 00~14 : 00 Chairman Hajime Sakamoto (University of Yamanashi Hospital)
Hiroyuki Miyake (Kawasaki Municipal Hospital)

107. The Usefulness of Parametric Imaging for Transcatheter Arterial Embolization
Department of Diagnostic and Interventional Radiology, Aichi Cancer Center Hospital Tsubasa Asai
108. Fundamental Study on Exposure Reduction in Stent Emphasis Photographing Using Cardiac Dynamics Phantom
Department of Radiology, Iwate Medical University Hospital Medical Heart Center. Ryuhei Iwaki
109. Evaluation of Air Dose Distribution during Intraoperative CBCT Examination in Orthopedic Surgery
Eastern Chiba Medical Center Daichi Murayama
110. Devises of New Procedural Environment to CT-guided IVR
Department of Radiology, Osaka City University Hospital Yoshinori Takao
111. A New 3-dimensional Guided Method Using C-arm X-ray System for Peripheral Pulmonary Lesions -Developed the Prototype System-
Products R&D Division2, Hitachi, Ltd. Healthcare Business Unit Takashi Iimura
112. A New 3-dimensional Guided Method Using C-arm X-ray System for Peripheral Pulmonary Lesions Using a Chest Phantom
National Cancer Center Hospital, Radiation Technology Department Xiaoang Tang

134. Statistical Consideration by Phantom Arrangement Position in Daily Check of Full-field Digital Mammography Systems

Department of Radiology, Ageo Central General Hospital Noriko Nakamura

April 12 (Thu.) F203 + 204

Imaging (MRI) Brain: Image Analysis

13 : 00~14 : 10 Chairman Takanobu Yamashiro (Minoh City Hospital)

Daisuke Kimura (Osaka City University Hospital)

135. Study of the Clinical Utility of QSM Using an Image Obtained by the SWI Imaging

Department of Radiology, Ebara Hospital, Tokyo Metropolitan Health and Medical Treatment Corporation Toshiki Wakayama

136. Neurite Orientation Dispersion and Density Imaging (NODDI) of the Brain: Impact of Repetition Time

Department of Radiology, Kumamoto University Hospital Makoto Goto

137. Effects of Imaging Range and Center Position in Three Dimensional Amide Proton Transfer Imaging

Department of Radiological Technology, Kurashiki Central Hospital Hiroaki Kameiyama

138. Effect by Change of T1-contrast between Tissues in Segmentation with Statistical Parametric Mapping

Kitasato University Graduate School of Medical Sciences Ryota Karima

139. Influence of Brain Lesion in Spatial Normalization with DARTEL

Kitasato University Graduate School of Medical Sciences Shuya Fujino

140. Detection Improvement of Acute Brainstem Infarction Using Computed DWI

)Department of Radiology, Kushiro Kojinkai Memorial Hospital Masaru Hashimoto

141. Preliminary Study on Automated Detection Method of Cerebral Infarction and Stage Estimation in Head MR Images Using Machine Learning

Graduate School of Health Sciences, Fujita Health University Kohei Kudo

Imaging Techniques and Research (MRI) Spine

14 : 10~14 : 50 Chairman Hajime Sagawa (Kyoto University Hospital)

Yasuo Takatsu (Osaka Red Cross Hospital)

142. Usefulness of Intervertebral Imaging in Cervical MRI Intervertebral Stenosis

Department of Radiology, Aichi Spine Hospital Taichi Kuriyama

143. Comparative Study of Conventional Sagittal and Angled Sagittal in MRI Cervical Spine to Observe Neural Foramina Stenosis along with Foramina Grading System

Chitwan Medical College Teaching Hospital, Tribhuvan University Mamita Sakhakarmi

144. Gravity Effect on Lumbar Spine: A Preliminary Study Using Multi-posture MRI

Graduate School of Medical Sciences, Kanazawa University Kento Furihata

145. Reduction of Pile-up Artifact in Direct Sagittal DWI Using Carbon Fiber Sheet

Jichi Medical University Hospital Kazunori Yamakoshi

Imaging Techniques and Research (MRI) Extremity MRA

14 : 55~15 : 55 Chairman Masanori Komi (Miyazaki University Hospital)

Takeshi Ota (Saiseikai Kumamoto Hospital)

146. Vessel Depictability Dependence on k-space Trajectory in Non-contrast Enhanced MR Angiography of the Proximal Anterior Tibial Artery

Department of Radiology, Maizuru Kyoukai Hospital Ayako Fujimoto

147. Investigation of Background Suppression by Quiescent-interval Single-shot Using Spoiled Gradient Echo

Department of Radiology, Aichi Medical University Hospital Makoto Endo

148. Non-gated Non-enhanced MR Angiography of the Peripheral Arteries Using Acceleration Selective ASL (AccASL)

Department of Radiology, Tokai University Hospital Natsuo Konta

149. Examination of the Non Contrast Subtraction Angiography with Compressed Sensing

Department of Radiological Technology, Kurashiki Central Hospital Sachi Fukushima

150. Optimal Strategy for ADC Value of Artery Using Second-order Motion Compensation DWI

Department of Radiology, Tokai University Hospital Susumu Takano

151. Investigation of Measurement of Signal Intensity Change along Vessels in Peripheral MR Angiography

Tohoku University Graduate School of Medicine Minami Aoba

Imaging Techniques and Research (MRI) MR Elastography

16 : 00~16 : 50 Chairman Shinya Mizukami (Kitasato University)
 Hiroataka Sato (Soka Municipal Hospital)

- 152. The Method of Performing MR Elastography with Existing MR Imager
 Department of Radiological Science, Tokyo Metropolitan University Tomokazu Numano
- 153. The Method for Reducing the Influence of Image Distortion in MR Elastography
 Department of Radiological Science, Graduate School of Human Health Science, Tokyo Metropolitan University Keisuke Igarashi
- 154. The Influence of Reduction of Acquisition Time in Fomoris MR Elastography
 Department of Radiological Science, Tokyo Metropolitan University Toshiki Maeno
- 155. Study of Parameter for MR Elastography of the Quadratus Lumborum Muscle
 Department of Radiological Science, Graduate School of Human Health Science, Tokyo Metropolitan University Tetsushi Habe
- 156. The Method of Reducing the Effect of Pelvic Vibration in the Piriformis MR Elastography
 Department of Radiological Science, Graduate School of Human Health Science, Tokyo Metropolitan University Takamichi Ueki

Imaging Techniques and Research (MRI) Diffusion

16 : 50~18 : 00 Chairman Junpei Suzuki (Sapporo Medical University Hospital)
 Koji Uchida (Orthopedic and Rehabilitation Department, Eda Clinic)

- 157. Study of 2D SE-EPI Diffusion Sequence for TE and B-value Trade off Extracellular Volume Fraction (ECV) Map for Calculation Accuracy
 MRI Systems Development Department, Toshiba Medical Systems Corporation Yuki Takai
- 158. Influence of Using Readout Partial Fourier in Readout Segmented EPI on Apparent Diffusion Coefficient Map: A Phantom Study
 Department of Radiology, Hamamatsu Medical Center Wataru Ariya
- 159. Examination of Coronal DWIBS Using 3.0T MRI System
 Ageo Central General Hospital Masaki Ishikawa
- 160. Fast Diffusion Weighted Imaging for Abdominal Region with Multiband EPI
 MRI Systems Development Department, Toshiba Medical Systems Corporation Hiroki Kondo
- 161. Influence of the Different MR Scanners on Apparent Diffusion Coefficient of Fibrosis: A Phantom Study
 Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University Nobuaki Harada
- 162. Correlation between Blood Data and Bone Marrow Appearance on DWIBS
 Biomedical Imaging Research Center, University of Fukui Hiroshi Oikawa
- 163. Basic Study for ADC Value of Artery Using Second-order Motion Compensation DWI
 Department of Radiology, Tokai University Hospital Naofumi Aida

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Imaging (General Radiography) Mammography, Other

8 : 50~9 : 40 Chairman Norimitsu Shinohara (Gifu University of Medical Science)
 Shu Onodera (Tohoku University Hospital)

- 164. Usefulness of Paper-based Hard Copy Print of Trauma X-ray Image at a Time of Disaster: Comparison of Image Quality with Liquid Crystal Display
 Department of Radiology, Fukuoka University Hospital Daisuke Kidera
- 165. Evaluation of Bone Suppression Processing in Chest Radiograph
 Department of Radiological Service, Tokyo Women Medical University Hospital Yuhei Horiuchi
- 166. Evaluation of the Z-direction MTF Utilizing 3 Dimensional Point Spread Function in Digital Breast Tomosynthesis System
 Department of Central Radiology, Saitama Medical Center Hitomi Sugimura
- 167. Image Evaluation of Photon-counting Mammography at High-energy Band in Mammography
 Department of Radiological Science, Graduate School of Medicine, Nagoya University Reina Suzuki
- 168. Evaluation of Image Quality Using a Phantom for Digital Breast Tomosynthesis
 Shizuoka Cancer Center Takahiro Ito

CAD (Multi-modality) Image Analysis

9 : 50~10 : 50 Chairman Yongbum Lee (Niigata University)
Yoshikazu Uchiyama (Kumamoto University)

169. Convolutional Neural Network for Automated Detection of Breath-hold in Chest CT Osaka International Cancer Institute Ayuka Ono
170. A Study of Deep Learning Based Reconstruction (DLR)
Toshiba Medical Systems Corporation, CT Systems Division, CT Systems Development Department Naruomi Akino
171. Automated Classification of Calcification and STENT on Computed Tomography Coronary Angiography Using Deep Learning
Division of Health Sciences, Graduate School of Medical Science, Kanazawa University Akira Hasegawa
172. Automatic Segmentation Extraction of Coronary Arteries in Cardiac CT Using Deep Learning
Cardiovascular Imaging Clinic Iidabashi Tomoya Hosokawa
173. Combining Rule-based and Machine Learning Approaches for Automated Scan Plane Planning of Spine MRI
Research & Development Group, Hitachi, Ltd. Suguru Yokosawa
174. Comparison of High Resolution Images Reconstructed Applying Super Resolution Using Supervised and Unsupervised Learning
Department of Radiology, Osaka City University Hospital Yutaka Katayama

CAD (Multi-modality) Diagnostic Support

11 : 00~11 : 50 Chairman Daisuke Fukuoka (Gifu University)
Atsushi Teramoto (Fujita Health University)

175. Detection of Laterally-spread Tumors on Virtual Dissection Images in CT Colonography by Use of Convolution Neural Network: A Pilot Study
Gunma Prefectural college of Health Sciences Sakuya Yamanouchi
176. Classification of Magnetic Resonance Images by Using Convolutional Neural Networks
Faculty of Health Sciences, Hokkaido University Hiroyuki Sugimori
177. Discrimination of Brain Tumor of ¹¹C Methionine PET Image by Deep Learning
Graduate School of Biomedical Science and Engineering, Hokkaido University Seiya Ichikawa
178. Computer-aided Diagnosis for the Detection of Triple Negative Breast Cancer Based on Radiomics
Graduate School of Health Sciences, Kumamoto University Chiharu Kai
179. Prognostic Prediction of Lung Cancer Patients Using Radiomics Graduate School of Health Sciences, Kumamoto University Takuya Yoshioka

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Imaging Techniques and Research (CT) Contrast Medium: Liver, Gallbladder, Pancreas

16 : 00~17 : 00 Chairman Toshiharu Miyoshi (Gifu University Hospital)
Kohei Harada (Sapporo Medical University Hospital)

180. Determination of Contrast Medium Dose for CT Hepatic Enhancement with Improved Inter-patient Uniformity Using Body Size and Pharmacokinetic Principle
Department of Radiological Technology, Daiyukai General Hospital Tomoya Hibino
181. Image Quality Improvement for CT Hepatic Angiography When Using Dynamic Volume Scan: Usefulness of Image-based Iterative Reconstruction
Radiology Division, Kanazawa University Hospital Shinsuke Hanaoka
182. Automatic Spectral Imaging Protocol Selection and Iterative Reconstruction in Typical Hepatic Hemangioma Computed Tomography with Reduced Iodine Load and Low Radiation Dose: Preliminary Study
Qianfoshan Hospital Affiliated to ShanDong University Wei Li
183. The Use of Contrast/Saline Mixture to Reduce Contrast Media Dose in Dual Energy Dynamic Abdominal CT
Department of Medical Radiation Technology, Teine-Keijinkai Hospital Shunsuke Itaya
184. A Study of Contrast Medium Reduction Protocol Using Dual Energy CT Department of Radiology, Saga University Hospital Satoshi Takita
185. Clinical Approach to Administrate Contrast Medium Dose as the Basis for Lean Body Weight Using 3DCT Imaging
Department of Radiology, Funabashi Municipal Medical center Wataru Ishida

Imaging Techniques and Research (CT) Contrast Medium: Cardiovascular, Lung

17 : 00~18 : 00 Chairman Kazuaki Terasawa (Saitama Red Cross Hospital)
 Chiaki Suzuki (Seirei Healthcare Support Center Shizuoka)

- 186. An Approach to Optimize the Dose of Contrast Medium Considering Individual Hemodynamics on CTA
 Department of Radiology, Ryukyu University Hospital Yohei Sugita
- 187. 320-row Coronary CT Angiography Using a Novel Timing-bolus Protocol and Low-tube Voltage Can Reduce Amount of Contrast Media
 Division of Radiology, Department of Medical Technology, Kyushu University Hospital Takashi Shirasaka
- 188. Determination of Contrast Medium Dose for CT Aortic Enhancement with Improved Inter-patient Uniformity Using Body Size and Pharmacokinetic Principle
 Department of Radiological Technology, Daiyukai General Hospital Tomoya Hibino
- 189. Preoperative 3D-CT with Bolus Tracking Method for Video Assisted Thoracic Surgery
 Division of Radiology & Nuclear Medicine, Sapporo Medical University Hospital Keishi Ogura
- 190. Study of Simultaneous Pulmonary Arteriography and Venography to Reduce Artifacts from the Superior Vena Cava
 Division of Central Radiology, Iwate Medical University Hospital Shun Abe
- 191. Preoperative 3D Computed Tomography-angiography (CTA) of Thoracoscope Simulation in Lung Cancer That Can Be Achieved Using Only 21 mL of Contrast Medium and Standard Functions of Workstation
 Radiology Service, Saitama Medical Center, Saitama Medical University Jun Nakane

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Education

15 : 00~15 : 40 Chairman Tomonori Isobe (University of Tsukuba)
 Takashi Ohba (Fukushima Medical University)

- 192. Devising Brain Anatomical Atlas for Education of Functions of Brain Leaves and Brain from the Perspective of Cerebral Vessels
 Department of Radiology, Kagawa University Hospital Hiroo Segawa
- 193. Development of an Educational System on Interpretation Assistance for Radiological Technologist -Cancer Case Edition-
 Department of Radiological Technology, National Cancer Center Hospital Naoya Ikeno
- 194. The Design, Implementation and Future Issues of the BLS Learning Support Materials Based on the Theory of Educational Engineering "Blended E-learning"
 Kurashiki Medical Center Yuri Ashihara
- 195. Validation and Modeling of Radiographer Scheduling Problem Considering Skills and Training
 Department of Medical Technology, Division of Radiology, Osaka University Hospital Kuniyuki Hidaka

Imaging Techniques and Research (CT) Workstation: Noise Reduction

16 : 00~16 : 50 Chairman Takanori Hara (Nakatsugawa Municipal General Hospital)
 Takashi Hoshino (Yatsuo general hospital)

- 196. Novel Noise Reduction Software for Abdominal CT: Assessment of Image Quality, Radiation Dose, and Low-contrast Detectability in a Phantom
 Division of central Radiology, Iwate Medical University Hospital Yoshitaka Ota
- 197. Impact of an Image Based Noise Reduction for Pediatric CT
 Division of Positron Emission Tomography, Institute of Advanced Clinical Medicine, Kindai University Shota Watanabe
- 198. Novel Noise Reduction Technique for Abdominal CT in Obese Patients: Assessment of Image Noise, Contrast and Image Quality
 Department of Radiology, Iwate Medical University Hospital Masayoshi Kamata
- 199. Impact of Novel Noise Reduction Software: Comparison with Traditional Filtered Back Projection and Iterative Image Reconstruction in Vitro
 division of central radiology, iwate medical university hospital Yasuyuki Hirota
- 200. Evaluation of Noise Reduction Technique in Respiratory Dynamic CT: Phantom Study
 Diagnostic imaging center, Ohara memorial foundation Shun Muramatsu

Imaging Techniques and Research (CT) Workstation

16 : 50~18 : 00 Chairman Hironobu Tomita (Saiseikai Kawaguchi General Hospital)
 Shuji Yamamoto (Lisit)

- 201. Analysis of Image Quality on Contrast Improvement Application
 Central Division of Radiology, Okayama University Hospital Yusuke Morimitsu

202. Improvement of Image Comparison and Personal Identification Using Head CT Images with Three-dimensional Positioning Adjustment
Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University Yusuke Kawazoe
203. Accuracy Evaluation of Embolus Quantification Using 3D Workstation with Pulmonary CTA
Department of Radiology, Komaki City Hospital Fuminari Nishikawa
204. Evaluation of Vessel Position Correction Accuracy Using Non-rigid Registration
Division of Radiology and Nuclear Medicine, Sapporo Medical University Hospital Yoshiya Ohashi
205. Evaluation of Postoperative Ascending Aortic Replacement of Dissection (Type1) Using with Numerical Analysis
Department of Cardio-Vascular Surgery, Asahikawa Medical University Hiroichi Yokoyama
206. The Effect of Ultra-high-resolution CT Images Matrix on 3D-WS Rendering Ability
National Cancer Center Hospital Hiroki Miyazaki
207. Study of VR Color Map Template Image Using WorkStation in Brain Nonenhanced CT: Comparison of Stroke Image
Steel Memorial Hirohata Hospital Keigo Hayashi

April 13 (Fri.) F201 + 202

Imaging (MRI) Liver, Gallbladder, and Pancreas

8 : 50~9 : 50 Chairman Toshimitsu Utsuno (National Cancer Center Hospital)

Yu Takakura (Toride Kitasoma Health Medical Center Medical Association Hospital)

208. Fat-fraction Quantitation in B0 Field Inhomogeneity Using Single-shot Fast-spin-echo Dixon Method
Department of Radiology, Nagoya City University Hospital Toshitaka Aoki
209. Validation of Proton Density Fat Fraction and T2* Values Calculated Using Different 6-point DIXON Methods: Multicenter, Multivendor Phantom Study
Department of Medical Radiology, Faculty of Medical Technology, Teikyo University Tatsuya Hayashi
210. Physical Evaluation of the Fat Quantification Using the Fast-dixon in the Fatty Liver
Department of Radiological Technology, Hyougo College of Medicine College Hospital Toshihiro Matsumoto
211. Quantification of Hepatic Proton Density Fat Fraction: Comparison between Six-point Modified Dixon and Magnetic Resonance Spectroscopy
Department of Radiology Toranomon Hospital Kei Fukuzawa
212. Intravoxel Incoherent Motion (IVIM) Stretched Model for Virtual Magnetic Resonance Elastography
Graduate School Tokushima University Yuki Matsumoto
213. The Value of IVIM in the Diagnosis of Pancreatic Carcinoma
The First Affiliated Hospital of China Medical University Zequn Liu

Imaging Techniques and Research (MRI) Heart and Great Vessel

9 : 50~10 : 40 Chairman Takashi Okigawa (Saiseikai Kumamoto Hospital)

Kosuke Morita (Kumamoto University Hospital)

214. Radial Sampling Non-contrast MRA for Thoracic Artery without ECG or Respiratory Gating
Medical Technology Department, Oita University Hospital Yoshiyuki Iwao
215. Study of Non-contrast MR-Angiography Combined with ASL and Look Locker Sampling for the Purpose of Visualization Three Branches of the Aortic Arch
Kawasaki Medical School General Medical Center Shinsuke Komaki
216. Non-contrast Enhanced Pulmonary Artery 3D-MR Angiography with Pencil Beam Inversion Recovery Pulse
Department of Radiology, Nagoya City University Hospital Seita Watanabe
217. Quantitative Evaluation of Four-dimensional Flow with Compressed Sensing for a Pulmonary Artery
Department of Radiological Technology, Kurashiki Central Hospital Kenichi Nakagawa
218. Morphological Evaluation of Four-dimensional Phase Contrast with Compressed Sensing for a Pulmonary Artery
Department of Radiological Technology, Kurashiki Central Hospital Kenichi Nakagawa

Imaging Techniques and Research (MRI) Basic

10 : 40~11 : 50 Chairman Naoki Ohno (Kanazawa University)

Kimihiko Kajita (Gifu University Hospital)

219. Investigation of STIR Images Using PROPELLER
Department of Radiology, Hirosaki University School of Medicine and Hospital Kazuhiko Oyu

220. Influence of Rolling Motion Correction in Radial Scanning with Parallel Imaging
 Department of Radiology, Nagano Red Cross Hospital Noritoshi Kubota
221. Evaluation of Image Quality on 3D-TSE Sequence Using Controlled Aliasing in Parallel Imaging Results in Higher Acceleration by Varying the Combination of Reduction Factors: A Phantom Study
 Radiological Technology Department of Medical Technique, Nagoya University Hospital Yutaka Kato
222. Effect of Compressed Sensing on 2D Imaging for Image Quality
 Department of Radiological Technology, Kurashiki Central Hospital Tomoyuki Moriyama
223. Assessment of Usefulness of the Breath-hold Training Method to Improve Reproducibility of Quantitative Values by Inspiratory and Expiratory Lung Magnetic Resonance Imaging
 Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University Kaori Hara
224. Optimization of Head Contrast Enhanced MRI
 Department of Radiology, Okayama Rosai Hospital Masakazu Nagamatsu
225. Development of a Human-tissue-equivalent MRI Phantom Using Manganese Chloride Tetrahydrate and Granulated Sugar
 Department of Radiology, National Hospital Organization Kumamoto Saisyunso Hospital Hirotooshi Maruyama

Imaging (MRI) Head and Neck MRA, Cerebral Blood Flow

15 : 00~16 : 00 Chairman Tatsuya Hayashi (Teikyo University)

Daisuke Yoshimaru (Tokyo Women's Medical University Yachiyo Medical Center)

226. Investigation of Non-synchronized Carotid Artery Non-contrast MRA Visualization Using Pre-saturation
 Hasuda Hospital Takashi Yamada
227. The Influence of the Slice Profile and Signal Saturation Effect of Selective Inversion Pulse for ASL Dynamic MRA
 Department of Radiology, Toyama University Hospital Kazuaki Arai
228. Optimized Pointwise Encoding Time with Radial Acquisition (PETRA)-MRA in Carotid Artery
 Department of Radiology, Kumamoto University Hospital Kosuke Morita
229. Measurements of Volume Flow Rate at Upstream and Downstream of Giant Intracranial Aneurysms Using Magnetic Resonance Fluid Dynamics
 Department of Radiological and Medical Laboratory Sciences, Nagoya University Graduate School of Medicine Shunsuke Tajima
230. The Estimation of the Optimal Post Label Delay to Use ASL as a Routine Work in the Neurosurgery Emergency Medical Field
 Otaru General Hospital Daisuke Oura
231. Clinical Availability of Rapid-basal Ganglia pCASL on Acute Ischemic Stroke
 Department of Radiology, Otaru General Hospital Daisuke Oura

Imaging (MRI) Musculoskeletal

16 : 00~17 : 00 Chairman Koichi Ujita (Gunma University Hospital)

Takayuki Sakai (Eastern Chiba Medical Center)

232. B1 Uniformity by Regional RF Shimming in 4ch-4port RF Irradiation System
 Department of Central Radiology, Nagoya City University Hospital Kyosuke Mizuno
233. Analysis of Three Dimensional Kinematics Using Three Dimensional Imaging and Cine Imaging in Magnetic Resonance Imaging
 Division of Radiology, Department of Clinical Technology, Niigata University Medical and Dental Hospital Tatsuya Kondo
234. Composite Assessment of Ultrasonography and MRI Improves the Prognostic Power of Joint Destruction on Radiograph in Rheumatoid Arthritis on Biological Disease-modifying Antirheumatic Drugs (bDMARDs)
 Graduate School of Health Sciences, Hokkaido University Motoshi Fujimori
235. Reproducibility of ROI Setting in MR Images Using Histogram and Mode Value
 Chulalongkorn University Kannikar Kanyakham
236. Verified That Temperature Rise of the Carbon Fiber Sheet with the 1.5 Tesla Magnetic Resonance Imaging
 Department of Radiologic Technology, jichi Medical University Hospital Hiroyuki Yazawa
237. The Influence of Metal Artifact Using Compressed Sensing in Two-dimensional MRI
 Department of Radiological Technology, Kurashiki Central Hospital Sachi Fukushima

Clinical Safty and Other (MR)

17 : 00~17 : 50 Chairman Hiroyuki Muranaka (Tsukuba International University)

Shotaro Komi (Kitasato University Hospital)

238. Cessation of Magnetic Resonance Imaging: Implantable Medical Device and Incident Analysis
 Department of Radiology, Toranomon Hospital Chisato Abe
239. Verification of Response Characteristics of Magnetic Gate
 National Cancer Center Hospital Seiya Sato

240. Development of 1.5T Wide Bore MRI System to Reduce Power Consumption According to System Operating Condition
MRI System Development Department, Toshiba Medical Systems Corporation Takuma Kawai
241. Effect of the Orthodontic Metals in Temporomandibular Joint MRI
Division of Radiology, Department of Medical Technology, Kobe University Hospital Naoki Yoshida
242. Extent and Causes of Skin Temperature Increase during Whole Body Postmortem Magnetic Resonance Imaging
Department of Radiological Technology, Tsukuba Medical Center Tomoya Kobayashi

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Nuclear Medicine (SPECT, Planar) Clinical Technique

8 : 50~9 : 40 Chairman Takashi Iimori (Chiba University Hospital)
Mitsuha Fukami (Tokuyama Central Hospital)

243. Evaluation of Computed Tomography-based Attenuation Correction Deviation between Theoretical and Actual Values for Quantitative Value in Bone SPECT Image
Department of Radiology, Shimane University Hospital Nobuhiro Yada
244. Examination of the Sentinel Lymph Node Scintigraphy Standardization
Department of Radiology, Showa University Hospital Shiho Mogi
245. Variation of Semi-quantitative Value by Cerebral Ventricular Enlargement Using Realistic Striatal Digital Brain (SDB) Phantom for 123I-FP-CIT SPECT
Department of Radiology, Hiroshima City Asa Citizens Hospital Akihiro Furuta
246. Impact of the Paranasal Sinus Geometric Disposition for Specific Binding Ratio in Dopamine Transporter SPECT: A Phantom Study
Department of Radiology, Kawasaki Medical School Hospital Kazunori Moriya
247. Diagnosis Ability Evaluation in the Treatment Judgment by the Myocardium Scintigraphy
Musashino Red Cross Hospital Yoshio Nakasuji

Nuclear Medicine (PET) Image Processing, Image Analysis 1

9 : 45~10 : 45 Chairman Yukito Maeda (Kagawa University Hospital)
Ryu Emura (Kimitsu Chuo Hospital)

248. Comparison of 22 Partial Volume Correction Methods for Amyloid PET Imaging with ¹¹C-PiB
Department of Radiological Sciences, International University of Health and Welfare Tensho Yamao
249. Relationship between Visual Judgment and Quantitative Values in Amyloid PET
Department of Health Sciences, School of Medicine, Kyushu University Natsumi Shimokawa
250. Influence of Regions-of-interest Template on the Quantitative Evaluation of Amyloid PET
Department of Health Sciences, School of Medicine, Kyushu University Natsumi Shimokawa
251. Development of Simple and Adaptive Programs for Quantification of Amyloid PET Images
National Institute of Radiological Sciences (NIRS-QST) Go Akamatsu
252. A Study on Estimation Method of Input Function by Chest Reconstructed Image in 15 O-gas PET
Department of Radiological Technology, Kushiro kojinkai memorial hospital Takuya Onishi
253. Influence of Respiratory Motion on Radiomics Analyses of Intratumoral Heterogeneity in PET/CT Imaging
Department of Health Sciences, Graduate School of Medicine, Kyushu University Toshiki Takeshita

Nuclear Medicine (PET) Image Processing, Image Analysis 2

10 : 50~11 : 50 Chairman Hayato Odagiri (Tohoku University Hospital)
Makoto Oba (Yamagata University Hospital)

254. Evaluation of the Impact of Attenuation Correction Map Interpolation Method to the SUV on ¹⁸F-FDG Whole-body PET/MRI
Advanced Clinical Research Center, Fukushima Medical University Ayaka Nemoto
255. Development of Computer-aided Diagnostic System for Cancer Therapy and Dose Measurement in ¹⁸F-FDG PET/CT
Department of Intelligence Science and Engineering, Graduate School of Natural Science and technology Manami Haga
256. Evaluation of Model-based Attenuation Correction Method for ¹⁸F-FDG Whole-body PET/MRI
Preparing Section for New Faculty of Medical Sciences, Fukushima Medical University Hitoshi Kubo
257. Investigation of Usefulness of Deep Learning in FDG-PET Image Analysis
Graduate School of Biomedical Science and Engineering, School of Medicine, Hokkaido University Keisuke Kawauchi

258. Comparison of Electrocardiogram Synchronization and Asynchronization in Myocardial Blood Flow Measurement with ¹⁵O-H₂O PET
 Graduate School of Biomedical Science and Engineering, Hokkaido University Shinya Kato
259. Evaluation of Metal Artifact Reduction Software on PET Quantification for Artificial Knee Joint
 Department of Diagnostic Radiology, Tokyo Metropolitan Geriatric Hospital Takashi Ono

Nuclear Medicine (PET) Image Processing, Image Analysis 3, Measurement Technique

15 : 00~16 : 00 Chairman Hajime Ichikawa (Toyohashi Municipal Hospital)
 Shota Miura (Iwate Medical University)

260. Comparison of Resolution between PET/CT Scanners with Different Physical Characteristics
 Department of Diagnostic Radiology, Koseikai Hospital Mikio Iwase
261. Influence of a Gaussian Filter on the Evaluation of the PET Heterogeneity
 Department of Health Sciences, Graduate School of Medicine, Kyushu University Ayano Shoji
262. Studies on Variation of SUV and MTV with Analysis Software for PET/CT Using Digital Phantom
 Department of Radiological and Medical Laboratory Sciences, Nagoya University Graduate School of Medicine Shinichiro Matsuzawa
263. External Exposure Dose of F-18 FDG PET for the Radiation Protection Worker School of Health Sciences, Hirosaki University Honoka Tsuchihashi
264. Feasibility Study of Thallium Bromide Detectors for PET Applications
 Department of Quantum Science and Energy Engineering Graduate School of Engineering, Tohoku University Mitsuhiro Nogami
265. Considering the PET Count When Repositioning the Hot Spheres in the Body Phantom
 Cyclotron Research Center Iwate Medical university Toshiaki Sasaki

Radiotherapy (Treatment Planning-2)

16 : 05~16 : 55 Chairman Ichiro Tsuruoka (National Institute of Radiological Sciences)
 Kenichi Ito (Tochigi Cancer Center)

266. Efficient Commissioning of Dose Calculation Algorithms with Golden Beam Data
 Radiotherapy Quality Management Office, Tokai University Hospital Tomoyuki Hiroki
267. Accuracy of the Effective Atomic Numbers and Theoretical Monochromatic CT Numbers for Contrast Medium with Raw-data Based Dual-energy CT
 Division of Clinical Support, Hiroshima University Hospital Daisuke Kawahara
268. Validation of Accuracy in Deformable Image Registration (DIR) by Use of Three-dimensional Phantom
 Faculty of Radiological Technology, Graduate School of Health Sciences, Fujita Health University Masaya Kobayashi
269. Volumetric Modulated Arc Therapy Treatment Planning for Head and Neck Cancer Based on Optimal Virtual Monochromatic Images: Effect of Contrast Material on Dose Distribution
 Department of Radiation Therapy Oncology, Osaka International Cancer Institute Riho Komiyama
270. Fundamental Study of 3D Patient Dose Verification in Prostate IMRT and VMAT
 Department of Radiology Juntendo University Shizuoka Hospital Naohito Ono

Radiotherapy (Dosimetry-1)

17 : 00~17 : 50 Chairman Tomohiro Shimozato (Gifu University of Medical Science)
 Keisuke Yasui (Fujita Health University)

271. Investigation on Dependence of Electrometer Correction Factor on Kind of Electrometer
 Gunma Prefectural College of Health Sciences, Graduate School of Radiological Technology, Gunma, Japan Hayato Tsuno
272. Comparison of Polarity Effect and Cable Effect by Two Kinds of Pinpoint Ionization Chamber
 National Hospital Organization Nagasaki Medical Center Department of Radiology Tadashi Shimamoto
273. A Study on Dose Rate Dependence of a Semiconductor Detector
 Toho University Sakura Medical Center, Department of Radiation Technology Teruo Ito
274. Effect of 0.4 Mm Air Gap with Protection Cap about Parallel-plate Chamber
 Department of medical health, Komazawa university Arata Sudo
275. The Comparison of Field Output Factors Determined by Using Different Calculation Methods
 Medical Physics Program, Faculty of Medicine Chulalongkorn University, Thailand Sumalee Yabsantia

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Nuclear Medicine (PET) Basic Technique

13 : 00~13 : 40 Chairman Tomoaki Yamamoto (Kyorin University)

Kei Wagatsuma (Tokyo Metropolitan Institute of Gerontology)

276. The Usability Evaluation According to the Application of Bismuth Shields in PET/CT Examination
Department of Radiology Technology, Shingu College JunSeong Min
277. Proposal of an Evaluation-method to Compare Head Motion Correction Systems among Clinical PET Scanners
Division of Medical Physics, Tohoku University Graduate School of Medicine Takato Inomata
278. Examination of Image Quality Due to Difference in Internal Spatial Position of Ring Type Breast-only PET Device
Radiology Department, Takai Hospital Hiroyuki Tamai
279. Factors Affecting Standardized Uptake Value in Liver on FDG-PET Department of Radiological Technology, Koga Hospital 21 Shinji Amakusa

Preclinical Study · Basic Technology 1

13 : 40~14 : 10 Chairman Kiichi Tadano (Kyorin University)

Kenta Takada (University of Tsukuba)

280. Pulmonary Perfusion Diagnosis Based on Temporal Changes in X-ray Translucency with Dynamic Flat-panel Detector Imaging: An Animal-based Study
College of Medical, Pharmaceutical & Health Sciences, Kanazawa University Rie Tanaka
281. Investigation of Urinary Metabolic Molecules for Radiation Biodosimetry and Its Functional Analysis
Hirosaki University Graduate School of Health Sciences Kenji Terada
282. Evaluation of the Spare Ability in the Treatment of Differentiated Thyroid Cancer Patients
Hirosaki University Graduate School of Health Sciences Hiroki Yamaya

Imaging Techniques and Research (CT) Dual Energy: Monochromatic Image

14 : 15~15 : 15 Chairman Isao Yamaguchi (Osaka Butsuryo University)

Kazushi Yokomachi (Hiroshima University Hospital)

283. Evaluation of the Physical Characteristics Compared with the 120kVp Images and Its Equivalent Virtual Monochromatic Spectral CT Images: Influence of the Signal-to-noise Ratio
Dept. of Radiology, KEIO Univ. Hospital Shota Masuda
284. Inspection of the CT Number of the Virtual Monochromatic X-rays Image by Filter Transmission Type Dual Energy CT
Department of Radiology, Aomori City Hospital Shota Ishikawa
285. Quantitative Evaluation of Iodine Map and Virtual Non Contrast Image in Dual Energy CT
Department of Radiological technology, Tohoku University Hospital Hirokazu Takano
286. The Effect of Contrast Media in Virtual Monochromatic X-Ray Image Obtained from Dual Layer Spectral CT: Phantom Study
Department of Radiology, Kagoshima University Hospital Mutsukazu Hayashi
287. Improvement in Visualization of Hand Tendons by 3DCT Using Virtual Monochromatic Image: A Phantom Study
Kumamoto Saishunso National Hospital Yudai Takano
288. Usefulness of Virtual Monochromatic Images in Bronchial Artery Computed Tomography Angiography
Department of Radiology, Tokai University Hospital Ryoichi Yoshida

Imaging Techniques and Research (CT) Dual Energy: Iodine Map Image

15 : 20~16 : 30 Chairman Rika Fukui (Tokyo Women's Medical University Medical Center East)

Tomokazu Ishida (University of Fukui Hospital)

289. The Performance Evaluation of Second Generation Fast kVp Switching Dual Energy CT: Examination of Iodine Density Value
Radiology Services, Gifu University Hospital Toshiharu Miyoshi
290. The Performance Evaluation of Second Generation Fast kVp Switching Dual Energy CT: Accuracy of Material Decomposition Image
Department of Radiology, Sapporo Shiroishi Memorial Hospital Daisuke Sasamori
291. Accuracy of Iodine Quantification Using Dual-energy CT: Comparison of Fast Kilovoltage Switching with Dual-layer CT
Department of Radiation Oncology, Osaka International Cancer Institute Hayate Washio

292. Fundamental Study of Iodine Map Image Using Dual Energy CT
 Department of Radiological Technology, Showa University Northern Yokohama Hospital Yuichi Nakai
293. Evaluating the Effect of Scanning Parameters on Iodine Map Created from Dual Energy CT on New Dual Source CT
 Department of Radiology, Amakusa medical center Hatsuki Inada
294. Accuracy Evaluation of Dual-layer Spectral CT for Quantification in Iodine Density
 Department of Radiology, Kagoshima University Hospital Akari Shirao
295. Usefulness of DECT in Evaluating after Thrombectomy to Treat Ischemic Stroke
 Department of Radiology, Kyoto Okamoto Memorial Hospital Shunsuke Yamauchi

Imaging Techniques and Research (CT) Abdomen

- 16 : 30~17 : 00 Chairman Yoshihito Aujawa (University of Yamanashi Hospital)
 Kenji Kodakari (National Hospital Organization Kure Medical Center)
296. Multi-slice Spiral CT Portography in Diagnosing Portal Hypertension and Esophageal Varication
 Tianjin Third Central Hospital Hui Wang
297. Determination of Anatomical Slice Location Reflecting Changes in Visceral Adipose Tissue Volume Using Computed Tomography
 Graduate School of Health Sciences, Hokkaido University Yusuke Nomura
298. Influence Factors in Fat Area Measurement Using CT Images: Comparison of Unenhanced CT and Contrast-enhanced CT, and Acquisitions from Two-different Scanners
 Department of Diagnostic Radiology, Shizuoka Cancer Center Kazuki Matsubara

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Imaging Techniques and Research (MRI) Urinary

- 13 : 00~13 : 40 Chairman Masayuki Kanamoto (University of Fukui Hospital)
 Katsuhiro Inoue (Mie University Hospital)
299. Renal MRA Using Unenhanced MRI with Breath-hold ECG Triggering Technique
 Department of Radiology, University of Tsukuba Hospital Takao Ishimori
300. Examination of Imaging Parameters in Prostate 3D-T2 Weighted Images with Local Excitation Method
 Department of Radiology, Kagawa University Hospital Yusuke Uehara
301. Comparison of Compressed Sensing and SENSE in Prostate T2 Map
 Kumamoto Chuo Hospital Seiichiro Noda
302. Feasibility Study of Image Super-resolution Using Convolutional Neural Network for MR Images
 Central Division of Radiology, Nara Medical University Hospital Kozo Shimizu

Imaging Techniques and Research (MRI) Head

- 13 : 40~14 : 50 Chairman Tatsuo Nagasaka (Tohoku University Hospital)
 Yukiko Hoshi (Sendai Hospital)
303. The Effect of Insertion of Spacer into the 48 Channel Head Coil on MR Image Quality
 Department of Radiology, Ehime University Hospital Hiroshi Suekuni
304. A Fundamental Study of Imaging Conditions in 3D TOF MRA after Flow Diverter Embolization
 Department of Radiological Technology, Sapporo Shiroishi Memorial Hospital Keisuke Takazawa
305. Influence of Intracranial Stent on the Ability to Depict of Non-contrast MRA
 Department of Radiology, The Jikei University Katsushika Medical Center Mizuki Takada
306. Study on Imaging Parameters for Operations to Plant Deep Brain Stimulation in the Other Side of the Patients Already MRI Conditional Deep Brain Stimulation Been Planted
 Department of Radiology, Tsukuba University Hospital Koji Yamada
307. Optimization of the Slice Thickness of Magnetic Resonance Cisternography (MRC) for Preoperative Evaluations of Microvascular Decompression (MVD)
 Department of Radiology, Okayama Red Cross Hospital Ryota Yamanaka
308. Intraoperative 3.0Tesla MRI; Comparison of MRS and Pathology Diagnosis
 Division of Radiology, Department of Medial Technology, Kobe University Hospital Yuichiro Somiya
309. Development of Phantoms That Reproduce the T₁ Value of Cerebrospinal Fluid at Scan Room Temperature
 Department of Radiology, Nagano Red Cross Hospital Akihiro Yamashiro

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Radiation Protection (Multi Modality) Caregiver Exposure, Other

13 : 00~13 : 30 Chairman Kosuke Matsubara (Kanazawa University)
Yoshihiro Haga (Sendai Kousei Hospital)

310. Influence of Paper Pipes in Scattered Radiation Measurement by Jungle Jim Method Department of Radiology, Daido Hospital Shoichi Suzuki
311. Dosimetric Dosimetry of Patient Caregivers in CT Examination
Department of Radiology, Hospital of the University of Occupational and Environmental Health, Japan Keisuke Nagamoto
312. Eye Lens Exposure of Radiological Technologists in the Case of Patient Assistance in Radiography
Department of Radiology, Sendai Redcross Hospital Akira Suzuki

Radiation Protection (General Radiography) Breast

13 : 30~14 : 00 Chairman Yoshiaki Hirofuji (Nagoya Medical Center)
Mitsuyo Ito (Toyokawa City Hospital)

313. Investigation of Patient Exposure Doses in Mammography in 2017 Questionnaire
Faculty of Radiological Technology, Fujita Health University, School of Health Sciences Yasuki Asada
314. Average Glandular Dose to Patients in Screening Mammogram under Digital Mammography
Bumrungrad International Hospital, Radiology department Jaroonroj Wongnil
315. Radiation Dose Estimation in Digital Breast Tomosynthesis (DBT) Using Two Semiconductor Dosimeters
Department of Radiology, Daido Hospital Tokiko Nakamura

Radiation Protection (CT) Pediatric

14 : 05~14 : 25 Chairman Takanori Masuda (Tsuchiya General Hospital)
Yutaro Mori (University of Tsukuba)

316. Size-specific Dose Estimates for Fetus Fujita Health University School of Health Sciences Masanao Kobayashi
317. withdrawn
318. Dose Optimization in Pediatric Head CT Examinations; Comparison of 2012 and 2016 Department of Radiology, Daido Hospital Tomoko Otsuka

Radiation Protection (Multi Modality) Dose Survey

14 : 35~15 : 25 Chairman Yohei Inaba (International Research Institute of Disaster Science)
Yasutaka Takei (Kawasaki University of Medical Welfare)

319. Estimation of Effective Dose Conversion Factors for CT Based on CT Examinations in South Korea
School of Health and Environmental Science, Korea University, Korea Seon-yeong Hur
320. Dose Estimation from a 2017 Questionnaire: CT Examination Department of Imaging, Nagoya Kyoritsu Hospital Yuta Matsunaga
321. Korean National CT Diagnostic Reference Levels in 14 CT Protocols, 2016
Department of Bio-convergence Engineering, Korea University, Korea Hye-min Park
322. Dose Evaluation by Survey Study (2017) of the Dose Received by Patients in General Imaging
Graduate School of Health Sciences, Fujita Health University Yuya Kondo
323. A Study of Entrance Surface Air Kerma for Patients Undergoing Chest and Abdomen from Digital Radiography at Chulabhorn Hospital
HRH Princess Chulabhorn College of Medical Science, Thailand Atchara Promduang

Imaging Techniques and Research (Bone Mineral Density, Ultrasound) Other

15 : 25~15 : 55 Chairman Hiroaki Matsuzawa (Osaka University Hospital)
Atsuo Kawamoto (Tokyo Medical University Hospital)

324. Effect of Gadolinium-based Contrast Agent on Measurements of Bone Mineral Density Using Lumbar Spine Phantom
Department of Medical Technology, Kumamoto University Hospital Kengo Nakato
325. The Prediction of Visceral Fat Mass by Dual-energy X-ray Absorptiometry at the Children Osaka Women's and Children's Hospital Erika Fukuoka

326. Quality Control Based on Different Imaging Conditions in Ultrasonic Diagnostic Equipment

Ultrasound Diagnostic Center, Asanogawa general hospital Tohru Iida

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Imaging (CT) Ultra High Resolution CT: Resolution Characteristics

8 : 50~9 : 30 Chairman Souji Miyashita (Azabu Triology Hospital)

Shinji Niwa (Nakatsugawa Municipal General Hospital)

327. Development of Micro CT System for Pathological Diagnosis: Development of Experimental System and Basic Evaluation

Graduate School of Health Sciences, Fujita Health University Tomonari Hayakawa

328. The Effects of Scan Mode and Focal Spot Size on Image Quality of Ultra High Resolution CT

Division of Radiology, Department of Medical Technology, Kyushu University Hospital Ryoji Mikayama

329. Evaluation of Image Quality of Temporal Bone for Ultra-high Resolution Computed Tomography (U-HRCT)

Department of Radiology, Ryukyu University of the Ryukyus Hospital Hiyori Mearu

330. Possibility of Exposure Dose Reduction in High Contrast Region Using Ultra-high-resolution CT

Department of Radiology, National Cancer Center Hospital Hirobumi Nagasawa

Imaging (CT) Ultra High Resolution CT: Z-axis Characteristics

9 : 30~10 : 10 Chairman Kazuhiro Sato (Tohoku University)

Ryota Matsumoto (Fujita Health University Hospital)

331. Evaluation of Partial Volume Effect of Ultra High Resolution CT Using Radial Wire Phantom

Faculty of Radiological Technology, School of Health Sciences, Fujita Health University Katsumi Tsujioka

332. Measurement of Effective Slice Thickness Using Tilt Edge Method in Ultra-high-resolution CT

Department of Radiological Technology Radiological Diagnosis, National Cancer Center Hospital Yuta Miyamae

333. Thickness Measurement of Detector Separator of Ultra High Resolution CT

Faculty of Radiological Technology, School of Health Sciences, Fujita Health University Katsumi Tsujioka

334. Validation of Z-axis Resolution Measurement Results by Different Coin Sizes in Ultra-high-resolution CT

Department of Radiological Technology Radiological Diagnosis, National Cancer Center Hospital Yuya Kanai

Imaging (CT) Ultra High Resolution CT: Iterative Reconstruction

10 : 10~10 : 50 Chairman Yoshihiro Nakaya (Shizuoka Cancer Center)

Shingo Kayano (Tohoku University Hospital)

335. Verification of Resolution Characteristics by Difference of Reconstruction Matrix and Successive Iterative Reconstruction in Ultra-high-resolution CT

Department of Radiological Technology Toshihiro Ishihara

336. Fundamental Study of Scan and Reconstruction Condition of Brain CT Angiography by U-HRCT

Department of Radiology, Kyorin University Hospital Yuta Shimizu

337. Image Quality Assessment of Temporal Bone CT by Ultra-high-resolution CT Using Iterative Reconstruction

Department of Radiology, Kyorin University Hospital Wataru Yamamura

338. Clinical Investigation of Iterative Reconstruction in CT Virtual Bronchoscopy by Ultra-high-resolution CT

Department of Radiology, Kyorin University Hospital Takuya Adachi

Imaging Techniques and Research (CT) Dual Energy: Performance Evaluation

10 : 50~11 : 50 Chairman Atsushi Urakura (Shizuoka Cancer Center)

Junji Mochizuki (Minamino Cardiovascular Hospital)

339. The Performance Evaluation of Second Generation Fast kVp Switching Dual Energy CT: Verification of Switching Accuracy

Department of Radiology, Gifu University Hospital Ryosuke Suzuki

340. The Performance Evaluation of Second Generation Fast kVp Switching Dual Energy CT: The Measurement Accuracy of the CT Number and Effective Atomic Number

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

341. The Performance Evaluation of Second Generation Fast kVp Switching Dual Energy CT -Image Resolution Characteristics-
Radiology Diagnosis, Okayama Saiseikai General Hospital Norimi Nishiyama
342. The Performance Evaluation of Second Generation Fast kVp Switching Dual Energy CT -Image Noise Characteristics-
Radiology Diagnosis, Okayama Saiseikai General Hospital Norimi Nishiyama
343. Performance Evaluation of Filter Transmission Type Dual Energy CT
Department of Radiology, Aomori City Hospital Koya Takishiro
344. Basic Study of Image Mix Application in Nonhelical Dual Energy Scan with a 320 Row Detector CT
Department of Radiological Technology, Tokai University Hachioji Hospital Shohei Uchiyama

Imaging (General Radiography) Noise Reduction, Other

13 : 00~14 : 00 Chairman Reiji Katayama (Kurume University Hospital)
Hiroki Kawashima (Kanazawa University)

345. Spatial Resolution by Variance Method -Computed Radiography and Flat Panel Detector-
Department of Radiological Technology, Faculty of Health and Welfare, Tokushima Bunri University Rie Ishii
346. Effect of Scattered Radiation on Sharpness Due to Difference in the Position of Structure in the Subject Saiseikai Maebashi Hospital Sho Maruyama
347. Evaluation of Detectability among Various Types of CR/FPD Using Paired Comparison Method
Department of Radiation Technology, Okinawa Prefectural Chuubu Hospital Chihiro Uezu
348. Noise Reduction Using a Pre-filtered Bilateral Filter in Digital Mammography
Department of Radiological Technology, Ishikawa Prefectural Central Hospital Chika Taniguchi
349. Evaluation of Noise Reduction Processing in Perspective Images of X-ray Fluoroscopy
Department of Radiological Technology, Tokai University Hachioji Hospital Satoshi Aoki
350. Dynamic PET Denoising via Guided Image Filtering
Central Research Laboratory, Hamamatsu Photonics K.K. Fumio Hashimoto

Imaging (General Radiography) Scattered Radiation Correction Processing 1

14 : 05~14 : 55 Chairman Rie Ishi (Tokushima Bunri University)
Ryotaro Yuji (Tokai University Hachioji Hospital)

351. Optimization of Scatter Correction Intensity in FPD: A Phantom Study
Department of Radiology, Gunma University Hospital Yuko Seki
352. Task-based Assessment of Resolution Property for Digital Radiography with a Software-based Scatter Correction
Faculty of Health Sciences, Institute of Medical, Pharmaceutical and Health Sciences, Kanazawa University Hiroki Kawashima
353. Digital Scattered X-ray Removal Processing in Lateral View of Skull
Department of Radiology and IVR, Osaka International Cancer Institute Kotowa Yamaguchi
354. Examination of Scattered Radiation Collection Processing in Knee Radiograph Using Vision Evaluation
Sapporo Medical Center NTT EC Harunori Kawahara
355. Influence of Scattered Radiation Correction Processing on Physical Evaluation in Knee Radiograph
Sapporo Medical Center NTT EC Yohei Ono

Imaging (General Radiography) Scattered Radiation Correction Processing 2

15 : 00~16 : 00 Chairman Kazuyuki Kashiyama (Osaka General Medical Center)
Tetsuta Izumi (Osaka International Cancer Center)

356. Investigation of the Relationship between Exposure Index and Scattered Radiation Correction Processing Error Using Bayesian Statistics
Department of Radiology, Saiseikai Kawaguchi General Hospital Kazuya Mori
357. Improved Image Quality of Software Scatter Correction Technique in Combination with Low Aspect Ratio Fiber Grid
Graduate School of Medical Science, Kanazawa University Ren Nawa
358. Examination of Scattered Radiation Correction Processing by Peak Signal to Noise Ratio
Department of Radiology, South Miyagi Medical Center Shinsaku Kumagai
359. Investigation of Both Processing for Extremely Low Spatial Frequency Image and Scattered Radiation Removal in Lateral View of Thoracolumbar Vertebra
Department of Radiology and IVR, Osaka International Cancer Institute Ayano Sakamoto
360. Assessment of Image Characteristics for Extremely-low-spatial-frequency and Scattered-radiation-correction Image Processing in Examination of Lumbar Spine
Department of radiological technology, Saiseikai kawaguchi general hospital Takuji Tsuchida

361. Evaluation of the Image Using Extremely-low-special-frequency and Scattered-radiation-correction Image Processing in Lumbar Spine Phantom
 Department of Radiological Technology, Saiseikai Kawaguchi General Hospital Shota Okada

Imaging (IVR, Other) Image Evaluation

16 : 10~17 : 00 Chairman Katsuhiro Ichikawa (Kanazawa University)
 Megumi Yamamoto (Hiroshima International University)

362. Visualization of 4 Intracranial Stents and In-stent Stenosis with 3D-printed Stenotic Models by 3D-TOF MRA
 Department of Radiology, Shiga Medical Center for Adults Takuma Hayashi
363. The Evaluation of the Dose Reduction Performance and the Image Quality Performance by a New Dose Reduction System
 Toshiba Medical Systems Corporation Kazunari Shima
364. Basic Study of Metal Artifacts Reduction for CBCT Images
 Japanese Red Cross Musashino Hospital Yoshinori Takahashi
365. Fundamental Study for Visualization of Intracranial Stent by Cone Beam CT
 Institute of Biomedical Research and Innovation Hospital Sho Taniuchi
366. Attempt of Newly Constructed Low Dose Imaging in Cardiac Catheterization
 Department of Radiological Technology Showa University Hospital Keigo Okada

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Radiotherapy (Tomotherapy)

8 : 50~9 : 40 Chairman Hidetoshi Shimizu (Aichi Cancer Center Hospital)
 Toshikazu Imae (The University of Tokyo Hospital)

367. Development and Evaluation of Rotational Setup Correction Device in Head Stereotactic Radiation Therapy Using Helical Tomotherapy
 Department of Radiology, Juntendo University Hospital Tomoya Muroi
368. Commissioning of the Radiation Treatment Planning System for the Newly Introduced Helical Tomotherapy
 Department of Radiology, Nagoya City University Hospital Takahiro Tsuchiya
369. Evaluation of Couch Sag in Helical Tomotherapy with Treatment Couch Support
 Department of Radiology, Nagoya City University Hospital Yuto Kitagawa
370. Effects of Megavoltage Computed Tomographic Scan Methodology on Setup Verification and Adaptive Dose Calculation in Helical Tomotherapy
 Department of Radiation Oncology Physics and Therapy, Shandong Cancer Hospital Affiliated to Shandong University Jian Zhu
371. Texture Features from Daily Megavoltage Computed Tomography Images of Tomotherapy May Predict Radiotherapy Outcome of Non-small Cell Lung Cancer: A Pilot Study
 Department of Radiation Oncology Physics and Therapy, Shandong Cancer Hospital Affiliated to Shandong University Jian Zhu
372. The Capability and Characteristic of Helical Tomotherapy at Sparing Hippocampus in Lung Cancer Prophylactic Cranial Irradiation
 Department of Radiation Oncology Physics and Therapy, Shandong Cancer Hospital Affiliated to Shandong University Jian Zhu

Radiotherapy (Treatment Planning-3)

10 : 00~11 : 00 Chairman Ryu Kawamorita (Tane General Hospital)
 Kengo Kosaka (Hyogo Cancer Center)

373. Improvement of Lung Stereotactic Body Radiation Therapy (SBRT) Using Dynamic Jaw
 Edogawa Hospital Radiation Therapy Center Masahiro Uematsu
374. Single Isocentric Dynamic Conformal Arcs Techniques for the Treatment of Multiple Brain Metastasis
 Kurashiki Central Hospital Yasuaki Sonoda
375. Initial Experience of PET-CT Simulation for Radiation Treatment Planning
 National Hospital Organization Kyushu Cancer Center Keisuke Hamada
376. A Treatment Planning Comparison of Stereotactic Body Radiation Therapy, Volumetric Modulated Arc Therapy, and Passive Scatter Proton Therapy for Dummy Tumor of Liver
 Department of Radiology, Kouseikai Takai Hospital Koji Yoshioka
377. Study on Treatment Planning by Two Isocentric Volumetric Modulated Arc Therapy (VMAT) for Esophageal Cancer
 Department of Radiology, Tenri Yorozu Hospital Yasushi Takeuchi
378. Evaluation of Optimal Planning CT with Multiple Acquisitions for Prostate Cancer IMRT
 Department of Radiology, Yamaguchi University Hospital Hidetoshi Eto

Theme Session Heart

16 : 00~17 : 00 Chairman Takao Ichida (Osaka City University Hospital)

Takayoshi Yamaguchi (Hanaoka Seishu Memorial Cardiovascular Clinic)

379. A Preliminary Examination of Small Field of View Whole Heart Coronary MRA Using Pseudo Golden Angle Radial Scan
Department of Radiology, Tokyo Metropolitan Police Hospital Takashige Yoshida
380. Evaluation of Extrude Length of Peripheral Coronary Artery for Fractional Flow Reserve by Using Computational Fluid Dynamics
Kokura Memorial Hospital Tatsunori Saho
381. A Novel Contrast Injection Protocol of Variable Two-phase Injection Method for Cardiac CT
Cardiovascular Imaging Clinic Iidabashi Medical corporation Hideki Inamoto
382. Analysis of Cardiac Factors for Test Injection Using Cardiac CT Data Central Radiation Unit, Toho University Omori Hospital Takuya Hatakeyama

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Radiotherapy (Irradiation Technique)

13 : 00~13 : 50 Chairman Masataka Oita (Okayama University)

Noriyuki Kuga (Miyazaki University Hospital)

383. Quality Improvement and Cost Reduction of High Adhesion Tailor-made Bolus Made with 3D Printer and Transparent Soft Material
Radiation and Proton Therapy Center, Shizuoka Cancer Center Satoshi Ito
384. Feasibility Study of a New Intra-fractional Motion Monitoring System Using the Marker Tracking for Brain SRS
Department of Radiation Oncology National Cancer Center Hospital East Hiroyuki Asai
385. Utility of a Tailor-made Bolus Made with 3D Printer and Transparent Soft Material for Total Scalp Irradiation
Radiation and Proton Therapy Center, Shizuoka Cancer Center Noriaki Muramatsu
386. Development and Investigation of Generic Software for Collision Avoidance between Gantry and Couch in Linac
Department of Radiology, KKR Sapporo Medical Center Yuki Wada
387. Setup Accuracy of Novel Thermoplastic Mask for the Head and Neck Radiotherapy
Division of Radiology, Department of Medical Technology, Osaka University Hospital Shotaro Sabu

Radiotherapy (Particle Therapy-2)

14 : 00~15 : 00 Chairman Masumi Numano (Shizuoka Cancer Center)

Kensuke Hayashi (Southern TOHOKU Proton Therapy Center)

388. Effect of Target Volume Change on Dose Distribution during Radiotherapy for Maxillary Sinus Carcinoma: Proton Beam Therapy versus Volumetric-modulated Arc Therapy
Department of Radiation Physics and Technology, Southern Tohoku Proton Therapy Center Yuki Narita
389. Daily QA and Patient QA by Using a Commercial Multi-layer Ionization Chamber in Proton Therapy
Proton Therapy Center, Sapporo Teishinkai Hospital Hyuga Nireki
390. Analysis of Patient-specific Bladder Volume in Hypofractionated Passive Proton Therapy for Prostate Cancer
Department of Proton Therapy Technology, Nagoya Proton Therapy Center Akira Shimomura
391. Analysis of Landmarks for Liver Tumors Close to Diaphragm
Hyogo Ion Beam Medical Center Yuya Ninomaru
392. Impact of Adaptive Proton Radiotherapy for Pancreatic Cancer
Hyogo Ion Beam Medical Center Tatsuya Imae
393. Creation of a Bolus for Craniospinal Irradiation
Aizawa Hospital Proton Therapy Center Tomonori Shimada

Radiotherapy (Dosimetry-2)

15 : 00~16 : 00 Chairman Mikio Nemoto (Jichi Medical University Hospital)

Kazuya Shinoda (Ibaraki Prefectural Central Hospital)

394. The Density Increasing of Bone Equivalent Polymer Gel Dosimeter
Division of Health Sciences, Graduate School of Medical Sciences, Kanazawa University Shota Ishihara
395. Proposal of New Calculation Method of Volume Average Effect Correction Coefficient Based on Radial Beam Profile Obtained from 2D Scanning
Department of Radiology, Gifu Prefectural Tajimi Hospital Shigeoyoshi Kamada

396. Development of Optical CT for Evaluation of Dye Gel Dosimeter
 Division of Health Sciences, Graduate School of Medical Sciences, Kanazawa University Takuya Wada
397. Verification of the Effect of Installation Error Correction Scanning by Water Sensor of the New 3D Water Phantom
 Department of Radiology, Saiseikai Kawaguchi General Hospital Masaki Kuramochi
398. Examination of Dose Measurement Method with Ionization Chamber during MRI Acquisition in MR-IGRT
 Radiological Oncology, Department of Radiological Technology, National Cancer Center Hospital Tatsuya Sakasai
399. Preliminary Study of TLSD Postal Dosimetry of External Radiotherapy System
 Tokyo Metropolitan University Daiki Maruyama

Radiotherapy (IGRT-2)

16 : 00~17 : 00 Chairman Tomoharu Sato (Cancer Institute Hospital)
 Satoko Saotome (Cancer Institute Hospital)

400. An Approach for Estimation of Target Displacements in Prostate IMRT Using Artificial Neural Network
 Department of Radiological Technology, Kumamoto University Hospital Yudai Kai
401. Fundamental Study on Breath Holding CBCT Using Sinogram
 Department of Radiology, Yokkaichi Municipal Hospital Yasukata Takahashi
402. The Impact of Proximal Organ Volume during Treatment Planning CT on Inter-fractional Variation in Prostate Cancer
 Showa University Hospital, Department of Radiological technology Tomoki Fujii
403. Improvement of Registration Accuracy for Image-guided Radiation Therapy Using MR-only Simulation in Prostate Cancer
 Department of Radiology, Nagoya City University Hospital Hirohito Kan
404. The Dosimetric Effects of Rotation Error Correction and Comparison of Different Correction Methods on Volumetric Modulated Arc Therapy for Prostate Cancer
 Department of Radiological Technology, Nagoya University Hospital Kuniyasu Okudaira
405. Optimizing the Target Detectability of Cone Beam CT Performed in Image Guided Radiation Therapy for Patients of Different Body Sizes
 Department of Medical Imaging and Radiological Sciences, Tzu-Chi University of Science and Technology Ching-Ching Yang

April 15 (Sun.) 501

Imaging Techniques and Research (CT) Radiation Dose Optimisation

8 : 50~9 : 40 Chairman Yoshihisa Muramatsu (National Cancer Center Hospital East)
 Mariko Miyata (University of Tsukuba Hospital)

406. Low-dose CT Scans with Automatic Exposure Control for Patients of Different Ages Undergoing Cardiac PET/CT and SPECT/CT
 Tzu-Chi University of Science and Technology Hung-Hsuan She
407. Evaluation of Size-specific Dose Estimate (SSDE) in Pediatric Chest CT Scan: Water-equivalent Diameter vs Patient Body Weight
 Chulalongkorn University, Bangkok, Thailand Thanatchaya Lowong
408. Development of Reference Map for Modification of mAs in CT Fluoroscopy Renal Biopsy.
 Division of Radiology, Department of Medical Technology, Osaka University Hospital Masahiro Yamashita
409. Evaluation of Dose Distribution of Tube Current Regulation Mechanism Which Considering Organ Radiosensitivity under the Identical Image SD Condition
 Department of Radiology, NTT Medical Center Tokyo Keiko Shakado
410. Verification of the Displayed CTDI Values Accuracy in Computed Tomography
 Department of Radiology, Chiba Municipal Kaihin Hospital Takashi Takagi

April 15 (Sun.) 502

Imaging Techniques and Research (Tomosynthesis); Image

13 : 00~14 : 00 Chairman Masahiro Nakajima (Kofu Municipal Hospital)
 Toshiyuki Yuhara

411. Quantitative Evaluation for Measurements of Slice Thickness in a Tomosynthesis System
 Division of Radiology, Department of Medical Technology, Kyushu University Hospital Taku Kuramoto
412. Foundamental Study of Tomotynthesis That Using IR Method in Oral and Maxillofacial Region
 Department of Radiology, Kyorin University Hospital Junpei Yamaguchi

413. Basic Assessments of Reliability of Pixel Values after Metal Artifacts Reduction Process in Tomosynthesis
Department of Radiology, The University of Tokyo Hospital Noriyuki Sakai
414. Study on Optimal Metal Filter in Tomosynthesis after THA
Department of Radiology, Iida Hospital Ryuji Kitazawa
415. Evaluation of the Influence of a Pixel Value Variation in Measuring Noise Property of the Tomosynthesis Image
Division of Clinical Radiology, Tottori University Hospital Yudai Ota
416. Image Comparison of Tomosynthesis with Difference of Equipments
Department of Radiological Technology, Kindai University Hospital Shouta Hattori

Imaging Techniques and Research (General Radiography) Chest, Other

14 : 00~14 : 40 Chairman Takuma Ichikawa (Fujita Health University Hospital)
Nobutoshi Yasojima (Sapporo Hospital)

417. Investigation of Scatter Correction Intensity in Chest Radiography
Department of Radiology, Gunma University Hospital Nao Mogi
418. Optimization of Radiation Quality for Chest Radiography with Modern Digital Radiographic System
Graduate School of Medical Science, Kanazawa University Ryota Matsui
419. First Trial of Extremely-low-spatial-frequency Image Processing for Chest Images.: The Comparison of Dynamic Range Control Preprocessing Using Phantom
Osaka Medical General Center, Department of Radiology Yoshihiro Matsuura
420. Evaluation of Flat-panel Detector Depends on Effective Energy
Department of Radiology, Fukui University Hospital Yuki Matta

April 15 (Sun.) 503

Measurement (Dosimeter) Radiation Dose Evaluation

11 : 00~11 : 50 Chairman Kimiya Noto (Kanazawa University Hospital)
Tetsuharu Kasahara (Chiba University Hospital)

421. Usefulness of Novel Radiation Dosimeter Using a Multi-channel Real-time Monitor
Graduate School of Medicine, Health Sciences, Tohoku University Yohei Inaba
422. Comparison of Some Solid-state Dose Sensor and Gold Standard Ion Chamber with Respect to the Exposure Dose and Half Value Layer
Department of Radiology, Shiga University of Medical Science Hospital Kazuo Noma
423. A Study on the Usefulness of Zero Extrapolation Method in Setting RQA Series
Tokyo Metropolitan University Kohei Kobayashi
424. Evaluation of Accuracy of the Portable-type Reading Device for the Small-size Optically Stimulated Luminescence (OSL) Dosimeter
Department of Radiological Technology, Yamaguchi University Hospital Kazuki Takegami
425. CdZnTeSe Physical Characteristics and Compared with CdZnTe
Department of Bio-convergence Engineering, Korea University Hwang SeokJin

Imaging (MRI) Brain: Image Enhancement

13 : 00~14 : 10 Chairman Masaki Terada (Iwata City Hospital)
Hiroto Kan (Nagoya City University Hospital)

426. Study on Image Distortion Correction Method by Eddy Current
Tokyo Metropolitan Health and Medical Treatment Corporation Ebara Hospital Department of Radiology Michitoshi Kataoka
427. Effect of Susceptibility Artifact on Images in Synthetic Magnetic Resonance Imaging
Kitahara International Hospital Shohei Mito
428. Influence of High-pass Filter Size and TE for Susceptibility-weighted Imaging Using Spoiled Gradient-echo Echo-Planar Imaging Sequence
Nagoya City University Hospital Masato Yamada
429. Initial Investigation of the Capability of 3D MRI for 3D IR-TFE T1W Using Compressed Sensing SENSE
Hakodate Neuro Surgical Hospital Shouichi Iwamoto
430. Trajectory Pattern of k-space in Compressed Sensing MRI for Two-dimensional Cartesian Sampling
Tokyo Womens Medical University Medical Center East, Department of Radiology Shinya Kojima
431. Improvement of Image Quality Using Iterative Noise Reduction for Parallel Imaging
Research and Development Group, Hitachi, Ltd. Toru Shirai
432. Noise Reduction Reconstruction Method Utilizing Principal Component Analysis and Shrinkage
Toshiba Medical Systems Corporation Kensuke Shinoda

Preclinical Study • Basic Technology 2

14 : 10~14 : 40 Chairman Daisuke Oura (Otaru General Hospital)
 Kosaku Saotome (University of Tsukuba)

- 433. Examination and Application of QSM Condition in Nonhuman Primate Brain
 Tokyo Metropolitan University Faculty of Health Sciences Division of Radiological Sciences Maho Kimura
- 434. Evaluation of Age-related Changes in Brain Morphology in Common Marmoset
 Healthy welfare department, Tokyo Metropolitan University Mai Mizumura
- 435. The Effects of the B Value Difference on Connectome Analysis
 Department of Radiological Sciences, Tokyo Metropolitan University Graduate School of Human Health Sciences Yawara Haga

April 15 (Sun.) 414 + 415

Nuclear Medicine (SPECT, Planar) Image Quality and Evaluation, Basic Technique, Equipment, Material

8 : 50~9 : 50 Chairman Norikazu Matsumoto (Kyorin University)
 Kazutaka Miura (Sendai Red Cross Hospital)

- 436. The Study on Effect of the Image Applying to Breast Implants in Breast Specific Gamma Imaging
 Department of Radiological Technology, Shingu College Young Jin Choi
- 437. Investigation of Collimator Broad Correction for Dopamine Transporter SPECT Imaging Using Monte-Carlo Simulation
 Department of Health Science, Graduate School of Medical Sciences, Kyushu University Keita Funada
- 438. Evaluation of the Becquerel Calibration Factor Calculation Method for Quantifying Analysis Using the Bone SPECT Image
 Department of Radiology, Fukui University Hospital Kosuke Tatsuno
- 439. Basic Study of Standardized Uptake Value for Quantitative Evaluation of Brain Tumor in Thallium-201 SPECT
 Department of Radiology, Toyama University Hospital Naoki Shibutani
- 440. The Development of New Semiconductor Detectors Using TlBr for Single Photon Emission Computed Tomography - Performance Evaluation of a Cylindrical Large Crystal of 1 Inch in Diameter -
 Department of Quantum Science and Energy Engineering Graduate School of Engineering, Tohoku University Nobumichi Nagano
- 441. Evaluation of Nuclear Medicine Applications of 3D Printing Phantom, Gamma Camera Centrally
 Department of Radiological Technology, Shingu College Institute Jin uk Her

Nuclear Medicine (PET) Clinical Technique, Quality Control, Quality Assurance

9 : 50~10 : 50 Chairman Kenta Miwa (International University of Health and Welfare)
 Taisuke Murata (Chiba University Hospital)

- 442. The Study of Pharmacokinetic Model of ¹⁸F-FDOPA in Dynamic PET Brain Imaging
 Medical Imaging Program, Department of Radiology, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand
 Wirunpatch Buratachwatanasiri
- 443. Relationship between True Count That Satisfy the Recommended Criteria of Signal-to-noise Ratio in Liver and Patient's Body Weight, for Delivery ¹⁸F-FDG PET/CT
 PET LINAC Center, Iwate Medical University Hospital Shota Miura
- 444. Experimental Investigation on PERCIST Evaluation Using Japanese Lean Body Mass
 Department of Radiological Technology, Hyogo College of Medicine College Hospital Tatsuya Tsuchitani
- 445. Evaluation of Sensitivity in Dedicated Breast PET
 Department of Radiology, Midtown Clinic HIMEDIC Kyoto University Hospital Ayaka Murayama
- 446. Administration Accuracy of Automated Infusion Device for PET with Improved Disposable Kit
 Department of Nuclear Medicine, Cancer Institute Hospital of Japanese Foundation for Cancer Research Noriaki Miyaji
- 447. Analysis of Relationship between Injection Dose and Exposure Dose in PET/CT Scan: Initial Study
 Department of Radiological Technology, Shingu College Lee Seul Kang

Nuclear Medicine (PET) Image Quality and Evaluation

10 : 50~11 : 50 Chairman Kazufumi Suzuki (Dokkyo Medical University)
Koichi Okuda (Kanazawa Medical University)

448. Comparison of Quantification and Image Detectability in Sub-centimeter Spheres between SiPM-based and PMT-based TOF-PET/CT
Department of Radiology, International University of Health and Welfare Hospital Reo Nemoto
449. Consideration of Optimal Acquisition Time of ^{18}F -FDG Using Digital SiPM-PET/CT
Department of Diagnostic Radiology, Tokyo Metropolitan Geriatric Hospital Nozomi Ito
450. Optimal Reconstruction Condition of Tau PET Imaging Using [^{18}F]THK5351
Research Team for Neuroimaging, Tokyo Metropolitan Institute of Gerontology Kei Wagatsuma
451. A Comparative Study on Reduction of Motion-induced Misalignment of PET/CT Fused Images: Effectiveness of Respiratory Synchronization and Abdominal Compression
Hiroshima University Makoto Kobayashi
452. The Evaluation of the Spatial Resolution of ^{11}C -, ^{18}F - and ^{64}Cu -PET Images Using Phantom Examination and Simulation
Department of Health Sciences, Graduate School of Medicine, Kyushu University Saki Kimoto
453. The Effect of Bayesian Penalized Likelihood Reconstruction Algorithm on the Image Quality of Respiratory Gating Imaging Method Using the 4D-CT
Department of Radiology, Hyogo Prefectural Amagasaki General Medical Center Yasushi Fujii

CAD (CT, General Radiography)

13 : 00~13 : 50 Chairman Ikuo Kawashita (Hiroshima International University)
Naoki Kamiya (Aichi Prefectural University)

454. Development of a Computer Model Observer for Detecting Lung Nodules on Chest Radiography
Kumamoto University Graduate School of Health Sciences Hiroshi Sakai
455. Improved Detection Method of Skull Fracture in Head CT Images Using Deep Learning and Adaptive Morphology Operation
Graduate School of Health Sciences, Fujita Health University Ayumi Yamada
456. Fully-automated Classification of Pulmonary Nodules in CT Images: Multi-sectional Analysis Using Deep Convolutional Neural Networks
Graduate School of Health Sciences, Fujita Health University Yuya Onishi
457. Deep Learning Classifier of Breast Density in Digital Mammogram
Faculty of Radiological Technology, School of Health Sciences, Fujita Health University Atsushi Teramoto
458. Preliminary Study on Bone Suppression in Chest X-ray Image Using Deep Convolutional Neural Network
Graduate School of Health Sciences, Fujita Health University Naoki Matsubara

Imaging (General Radiography) Image Analysis

13 : 50~14 : 40 Chairman Rie Tanaka (Kanazawa University)
Shinichi Fujimoto (University of Fukui Hospital)

459. Study on the Depiction Ability of Similar Subtraction Imaging
Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University Yoichiro Shimizu
460. Development of Automated Positioning System in General Radiography Examination: Application for Temporal Bone Radiography.
Graduate School of Health Sciences, Kumamoto University Reina Tsuruoka
461. Validation of Full-automatic Software to Detect Joint Space Narrowing in the Hand of Rheumatoid Arthritis Patients Using Computer-based Temporal Subtraction Method
Graduate School of Health Sciences, Hokkaido University Yuki Tanaka
462. Radiographic Quantification of Joint Space Width Difference Using Computer-based Method; A Phantom Study
Graduate School of Health Sciences, Hokkaido University Kazuki Kato
463. Failure Analysis of Full-automatic Software to Detect Interval Finger Joint Space Narrowing Progression in RA Patients
Graduate School of Health Science, Hokkaido University Shun Shishido

April 15 (Sun.) F201 + 202

Imaging Techniques and Research (MRI) Extremity

8 : 50~9 : 50 Chairman Atsushi Ono (Kawasaki University of Medical Welfare)
Takeshi Yamashita (Shimane Prefectural Central Hospital)

464. Study of 3D-T2 * Sequence for Cartilage Visualization in Preoperative MRI of Infantile Polydactyly
Division of Radiological Technology, Kanazawa Medical University Hospital Keiya Hirata
465. Effect of Median Nerve by Carpal Tunnel on Imaging Position for Magnetic Resonance Image
Department of Radiology, Tsuchiya General Hospital Haruki Nonaka
466. Improvement of B1-inhomogeneity in the Elbow Joint Imaging at 3.0T
Department of Radiology, Otsu City Hospital Masafumi Nakamura
467. Evaluation of Fixation Techniques for Motion Artifact Reduction on Shoulder MRI
Department of Radiology, Eastern Chiba Medical Center Takayuki Sakai
468. Visualization of Meniscus Using Ultra Short TE Sequence with Inversion Pulse and Fat Saturation
Tenri Hospital Ryo Yamazaki
469. Evaluation of Intermittent Pneumatic Compression on Lower-leg Muscle Using MRI
Graduate School of Medical Sciences, Kanazawa University Kento Furihata

Imaging Techniques and Research (MRI) Breast, Heart

9 : 50~10 : 50 Chairman Shunsuke Hasegawa (Hiroshima Heiwa Clinic)
Haruki Nonaka (Tsuchiya General Hospital)

470. Difference of Kinetic Curve between Gadobutrol and Gadodiamide Hydrate in Breast Dynamic MRI
Department of Radiology, Komaki City Hospital Norikazu Koori
471. Comparison of Background Parenchymal Enhancement Due to Difference of Contrast Media Injection Rate in Breast Dynamic MRI
Tochigi Medical Center, Department of Radiology Takuma Mogi
472. Examination of the Aliasing Artifacts on 3D-balanced SSFP Using Compressed Sensing
Department of Radiological Technology, Kurashiki Central Hospital Takashi Ogasahara
473. Examination of a Single-vessel Coronary Image with Compressed Sensing Using Breath Hold
Department of Radiological Technology, Kurashiki Central Hospital Takashi Ogasahara
474. Myocardial Multi-slice T1 Mapping Using Inversion Recovery T1-weighted Turbo Field-echo (IR-T1-TFE) Sequence
Department of Radiology, Japanese Red Cross Okayama Hospital Katsuhiro Kida
475. Comparison of Myocardial T1 Mapping Acquired by between Heart Rate Fixed Method and Time Fixed Method
Division of Radiological Technology, Nihon University Hospital Naoki Shinoda

Imaging Techniques and Research (MRI) Liver, Gallbladder, and Pancreas

10 : 50~11 : 50 Chairman Tsutomu Kanazawa (Niigata University Medical & Dental Hospital)
Kinya Ishizaka (Hokkaido University Hospital)

476. Optimization of Reference Scan Phase in the Contrast-enhanced Multi-arterial Phase Images with View-sharing Technique for Reduction in Respiratory Motion Artifacts
Department of Radiology, Kindai University Hospital Daisuke Morimoto
477. Free Breathing Hepatobiliary Phase Imaging: Comparison of Five Free-breathing Scans with Conventional Breath Hold Scan
Department of Radiology service, Gifu University Hospital, Gifu japan Takayuki Miura
478. Hepatobiliary Phase Imaging with Combined Parallel Imaging and Compressed Sensing Reconstruction Compared with Conventional Methods.
Department of Radiology service, Gifu University Hospital, Gifu japan Kimihiro Kajita
479. Evaluation of Liver Pathology by MR Volumetry and MR Laparoscopy in the Hepatobiliary Phase
Department of Radiological Technology, Toranomon Hospital Yosinori Tsuji
480. The Effect of Breath Holding Failure in Liver MR Elastography
Department of Radiation Technology, Yokohama Sakae Kyosai Hospital Keisuke Igarashi
481. Fundamental Study of Signal Characteristics in Slow Flow Visualization Using Time-SLIP Technique Assuming Pancreatic Juice Flow
Department of Radiology, Sendai Open Hospital Hideki Hoshi

JOSEPH

Radiotherapy (Treatment Planning-4)

13 : 00~13 : 50 Chairman Yuji Nakaguchi (Kumamoto University Hospital)
Junichi Fukunaga (Kyushu University Hospital)

482. Automated Localization Approach of Prostates for Radiotherapy Using Anatomical-feature-based Machine Learning and Its Feasibility in Bayesian Target Contouring Framework Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University Kenta Ninomiya
483. Standardization of Organ Doses with Knowledge Based Planning in Volume Modulated Arc Therapy for Prostate Cancer
Department of Radiation Oncology, Osaka International Cancer Institute Shunsuke Oono
484. Usefulness of Auto Segmentation Using Probability Atlas of Japanese in Radiotherapy Planning
Hiroshima International University Ryotaro Yasuda
485. Dosimetric Verification of Monte Carlo Based Comprehensive Treatment Planning System "Tsukuba-Plan" Adapted to X-rays, Proton Beams, Carbon-ion Beam, and BNCT
Faculty of Medicine, University of Tsukuba Kenta Takada
486. Dosimetric Evaluation of the Dual Energy Volumetric Modulated Arc Therapy Planning for Head and Neck Cancer
Divisions of Health Sciences, Graduate School of Medical Sciences, Kanazawa University Trang Hong Thi Nguyen

Radiotherapy (CBCT, Others)

13 : 50~14 : 30 Chairman Kaoru Ono (Hiroshima Heiwa Clinic)
Takehiro Shiinoki (Yamaguchi University)

487. Comparison of Measurements with Gantry Mounted 2D Diode Array QA Devices and 3D Diode Array System of VMAT Patient-Specific QA
Center for Radiology and Radiation Oncology, Kobe University Hospital Keisuke Okumura
488. Estimation of Point Absolute Dose Error Using the Dynamic MLC Position Accuracy Analysis Software
Department of Radiology, Toyama University Hospital Nobuyuki Shirosaki
489. Development of Quality Control Method for Linac Using EPID
Hiroshima International University Kohei Inoue
490. Investigation of Radiation Dosimetry Method in IGRT Graduate School of Health Science, Fujita Health University Yuya Katsuragawa
491. The Development of a Size-specific CBCT Exposure Control Procedure with an Adaptive Rotation Angle for Prostate Radiation Therapy
Department of Radiology, Public Central Hospital of Matto Ishikawa Tetsu Nakaichi

April 15 (Sun.) F203 + 204

Imaging Techniques and Research (CT) Dual Energy: Clinical

8 : 50~9 : 30 Chairman Kazuya Ohashi (Nagoya City University Hospital)
Shunsuke Itaya (Teinekeijinkai Hospital)

492. Prediction of Postoperative Lung Function in Patients before Pneumonectomy: Dual-energy CT with Lung Perfusion Blood Volume vs Perfusion Scintigraphy
Department of Radiology, Kyushu Cancer Center Tetsuya Minamide
493. Evaluation of Chronic Thromboembolic Pulmonary Hypertension by Enhanced Dual-energy CT in Pulmonary Circulation Phase
Department of Radiological Technology, Nagoya University Hospital Yoshinori Tsutsumi
494. Usefulness of Dual Energy CT for Severity Assessment of Acute Pancreatitis
Department of Radiological Technology Showa University Hospital Hirotaka Hamada
495. Evaluation of Deep Vein Thrombus by Dual Energy Imaging
Department of Radiology, Showa University Hospital Hiromi Usui

Imaging Techniques and Research (CT) Ultra High Resolution CT: Cardiac

9 : 40~10 : 20 Chairman Yoshihiro Ida (Fujita Health University Hospital)
Noriyuki Negi (Kobe University Hospital)

496. Evaluation of Simulated Coronary Artery Analysis Using Iterative Reconstruction by Ultra High Resolution Computed Tomography
Department of Radiology, Kyorin University Hospital Keita Fukushima
497. Coronary CT Angiography Using High Tube Voltage at Novel Ultra High Resolution CT Scanner
Division of Radiology, Department of Medical Technology, Kyushu University Hospital Takashi Shirasaka
498. Improved Accuracy of Calcification Volumes and Agatston Scores by Super High Resolution Scan and Iterative Reconstruction
Department of Radiology, The University of Tokyo Hospital Hiroyuki Saigusa

499. The Impact of Heart Rate and Focus Size on Diagnostic Accuracy of ECG-gated Coronary CT Angiography Using Ultra High Resolution CT: A Phantom Study
Center for Radiological Sciences, Iwate Medical University Medical Heart center Tadashi Sasaki

Imaging Techniques and Research (CT) Dose Reduction

10 : 30~11 : 20 Chairman Yasuhiro Fukushima (Kyoto University Hospital)
Eiji Nishimaru (Hiroshima University Hospital)

500. Radiation Dose Reduction by Using Model Based Iterative Reconstruction at CT Angiography for Evaluating Restenosis after Carotid Artery Stenting: Phantom Study
Department of Radiology, Hiroshima University Hospital Kazushi Yokomachi
501. Dose Reduction of CT Using Reconstruction with Changed Data Usage Area
Nishisayama Hospital Masanori Ozawa
502. Usefulness of the Novel Tin Filter Technology in Low-dose Lung Cancer Screening CT
Department of Radiology, Mie University Hospital Naoya Kubooka
503. Radiation Dose Reduction by Using Low Tube Voltage Coronary CTA Based on the CNR Index
Tsuchiya General Hospital Yukari Yamashita
504. A Retrospective Study of Vanishing Liver Position in Computed Tomography Coronary Angiography
Department of Radiology, The Jikei University Kashiwa Hospital Rumiko Nosaka

Imaging Techniques and Research (CT) Radiation Dose

13 : 00~13 : 40 Chairman Takashi Takagi (Chiba Kaihin Municipal Hospital)
Shunichi Ishizuka (Funabashi Municipal Medical Center)

505. Evaluation of Surface and Center Dose in the Dual Energy Method and Low Tube Voltage Method in X-ray CT
Department of Radiology, Saiseikai Kawaguchi General Hospital Hironobu Tomita
506. Investigate the Relationship between Object Size and Surface Dose in Low-tube Voltage Imaging
Department of Radiation Technology, Saiseikai Kawaguchi General Hospital Yuri Suzuki
507. Investigation of Object Size and Exposure Dose of Exposure Reduction Mechanism Considering Organ Sensitivity in Low Tube Voltage Imaging
Department of Radiological Technology, Saiseikai Kawaguchi General Hospital Yosuke Kidokoro
508. Dose Distribution of Different Imaging Areas on Low Tube Voltage Computed Tomography
Department of Radiology, Shiga Medical Center for Adults Tetsuya Kitano

Imaging Techniques and Research (CT) Head 3D-CTA

13 : 40~14 : 40 Chairman Tomomi Omura (Research Institute for Brain and Blood Vessels-Akita)
Wakou Funayama (Kin-ikyo Chuo Hospital)

509. Study on Threshold Settings for the Volume Rendering Display of Full Iteration Reconstructed Image in 3D-CTA
Department of Radiology, Saiseikai Kumamoto Hospital Hiroki Arimura
510. Evaluation of High Resolution Cerebral CTA Using Model Based Iterative Reconstruction
Department of Radiology, Sapporo Azabu Neurosurgical Hospital Naoko Hamaguchi
511. Trial of the Improvement in Depiction Ability of Head CTA in the Case of Non-helical Dual Energy Scan Using 320 Row Detector CT
Department of Radiological Technology, Tokai University Hachioji Hospital Kaito Abe
512. Verification of Contrast Effect of TBT Method in Head 4D-CTA during at the Onset of Subarachnoid Hemorrhage
Department of Radiology and Nuclear Medicine, Research Institute for Brain and Blood Vessels-Akita Yuichiro Sato
513. Study the Utility of Color Code Display for Sequential Subtraction in Dynamic Volume CT Angiography
Fujita Graduate School of Health Sciences, Fujita Health University Asuka Takeuchi
514. Study the Utility of Time-MIP and Time-stack to Display Angiographic Load-map in CT Angiography
Fujita Graduate School of Health Sciences, Fujita Health University Asuka Takeuchi

Presentation at Monitor

April 13 (Fri.) N101

Radiotherapy (Treatment Planning, Others)

10 : 00~10 : 30 Chairman Tetsuya Tomida (University of Tsukuba Hospital)

1001. Correlation between Setup Errors and Gamma Index Analysis Using the 3-dimensional Beam Dosimetry QA System for Volumetric Modulated Arc Therapy
Department of Radiology, Yamaguchi University Hospital Tomomi Yamamoto
1002. Image Quality Evaluation of 2.5 MV Electronic Portal Imaging
Kyushu University Hospital Shuji Nagamine
1003. Comparison of Leaf-margin in Stereotactic Radiotherapy
Department of medical technology, Nagasaki University Hospital Hirofumi Yamasaki
1004. Dosimetric Comparison between Cone Beam Computed Tomography and Planning Computed Tomography in Volumetric Modulated Arc Therapy Technique for Prostate Cancer Therapy
Medical Imaging Program, Department of Radiology, Faculty of Medicine, Chulalongkorn University Thailand Julaluck Chanayota

Radiotherapy (Patient Immobilization, Others)

10 : 30~11 : 00 Chairman Hideki Aoyama (University of Tsukuba Hospital)

1011. Influence of the Body Position Change except the Fixed Part in the Forehead Radiation Therapy Gives in Irradiation Precision
Department of Radiology, Asanogawa General Hospital Mitsuru Ishiguro
1012. Fundamental Study on Physical Properties and Dose Distribution of External Micro-multi Leaf-collimator
Showa University Koto Toyosu Hospital, Department of Radiological Technology Kohei Iwamura
1013. Evaluation of Gantry Angle Dependence in Dynamic Wedge between Three Linear Accelerators
Department of Radiation Oncology, Osaka International Cancer Institute Hikari Ueda
1014. The Feasibility of Wing-board Immobilization for Breast IMRT
Department of Radiation Oncology, Taipei Tzu Chi General Hospital Jing-Yin Hung

Imaging (MRI) Heart, Other

15 : 00~15 : 30 Chairman Norio Hayashi (Gunma Prefectural College of Health Sciences)

1021. Evaluation on the Influence of Susceptibility Artifact by Phantom for Native T1 Myocardial Mapping
Department of Radiology, Fukushima Medical University Hospital Hideaki Takasumi
1022. Examination of Imaging Condition of Late Gadolinium Enhancement Phase-sensitive Inversion-recovery Method in Cardiac MRI
Department of Radiology, Akita City Hospital Masaaki Yamada
1023. Blood Flow Evaluated a Hemodialysis Artificial Blood Vessel
Department of Radiology, Sumitomobesshi Hospital Yoshihito Miyamoto
1024. Examination of Distortion Correction Effect and Fat Suppression Effect When Using Magnetic Field Correction Aid in Self-made Phantom
Tokyo Metropolitan Bokutoh Hospital Keita Kusuno

April 14 (Sat.) N101

Nuclear Medicine (SPECT, Planar, PET, Radionuclide Therapy)

9 : 20~9 : 50 Chairman Noriyo Yokotsuka (Teikyo University)

1031. Assessment of Ra-223 Gamma-Ray Imaging Using Channelized Hotelling Observer
Department of Health Sciences, Faculty of Medical Sciences, Kyushu University Akihiko Takahashi
1032. Fundamental Study on Quantitative Evaluation Methods of the I-123 FP CIT SPECT Imaging
Division of Medical Technology, Kumamoto University Hospital Yuya Nakamura
1033. Agreement between Quantitative Evaluation with Cerebrospinal Fluid Mask and Clinical Diagnosis in Dopamine Transporter Scintigraphy
Department of Radiology, Tenri Hospital Kazushi Kitamura
1034. Comparison between Quantitative Value of DATVIEW to Quantitative Value of DATQUNT in Dopamine Transporter SPECT with 123I-FP-CIT
Department of Radiology, Nagasaki Kita Hospital Toshimasa Fujishita

1035. Study of Correlation between Bed Speed and Number of Additional Data Collection in Multipass CBM Method
 Department of Diagnostic Radiology, Shizuoka Cancer Center Hiroomi Tada

Imaging (General Radiography) Image Evaluation

10 : 00~10 : 30 Chairman Satoshi Yanagita (Kitasato University Medical Center)

1041. Input and Output Properties of the Virtual Scattered Radiation Removal Processing in the X-ray Image Konko Hospital Motohiro Tabuchi

1042. Fundamental Study on Scattered Radiation Correction Processing in Low Voltage Imaging
 Department of Radiology, Kyorin University Hospital Takehiro Nakai

1043. Basic Evaluation of Scattered X-ray Correction Processing and the Noise Suppression Processing for Flat Panel Detector Digital Radiography
 Department of Diagnostic Imaging, Shizuoka Cancer Center Fujiyo Akita

1044. Comparative Evaluation of New Image Processing Methods
 Department of Radiology, Hyogo College of Medicine College Hospital Yasuhiko Hama

Imaging Techniques and Research (MRI) Head and Neck

13 : 00~13 : 30 Chairman Kenichiro Yamamura (Osaka Medical College Hospital)

1051. Investigation of Brachial Plexus Imaging Using Inversion Recovery T2 Variable Flip Angle 3D TSE
 Okayama University Hospital, Division of Radiology, Department of Medical Technology Toshi Matsushita

1052. Evaluation of Image Characteristics Using MTF in T2-weighted Variable Refocusing Flip Angle 3D TSE Kurihara Central Hospital Rei Yoshida

1053. Basic Study of Image Quality Used 48 Channel Head Coil Department of Radiology, Ehime University Hospital Yoshihiro Takimoto

Imaging Techniques and Research (CT) Others 1

14 : 30~15 : 00 Chairman Keishi Ogura (Sapporo Medical University Hospital)

1061. Verification That Hybrid Type Iterative Reconstruction Method Impact on the Shape Reproducibility of Blood Vessel in Artifact
 Akashi Medical Center Ryo Ogawa

1062. Metal Artifact Reduction Reconstruction Technology: Impact of Tube Voltage on Artifact and Low Contrast Resolution
 Department of Radiological Technology, Kindai University Hospital Hiroyuki Kosaka

1063. Evaluation of the Metal Artifact Reduction Technology with the Orbital Synchronized Helical Scanning for Subtraction CT Angiography.
 National Hospital Organization Osaka Minami Medical Center Radiology Tomohiko Kitagawa

1064. Improvement of Measurement Method for Effective Renal Plasma Flow and Glomerular Filtration Rate Using Renal Dynamic Contrast Enhanced CT
 Fujita Health University Graduate School of Health Sciences Takaaki Sato

1065. CT Dose Modulation Using Different AEC Systems in Whole-body PET/CT
 Department of Radiology, Kitasato University Hospital Kazunori Nagahara

1066. Assessment of Diagnostic Reference Levels (DRLs) in Cardiac CT Angiography by Retrospective ECG Gating Technique at Ramathibodi Hospital
 Ramathibodi Hospital, Mahidol University, Bangkok, Thailand Saifhon Admontree

Imaging Techniques and Research (CT) Others 2

15 : 00~15 : 30 Chairman Ken Takada (Ogaki Municipal Hospital)

1071. Toward Consistent Image Quality in Prospectively ECG Triggered Coronary CT Angiography for Patients in Different Weight Status
 Tzu-Chi University of Science and Technology Guan-Lin Huang

1072. Assessment of Coronary Stent Lumen Visibility by the Ultra-high Resolution CT
 Division of Radiology, Department of Medical Technology, Kyushu University Hospital Tsukasa Kojima

1073. Fundamental Study of Reconstruction Filter and Spatial Resolution in Ultra High Resolution CT
 Faculty of Radiological Technology, School of Health Sciences, Fijita Health University Katsumi Tsujioka

1074. Evaluation of Spatial Resolution and Noise Characteristics about X-y Direction by Difference of Hybrid-type Iterative Reconstruction in Ultra High Resolution CT
 Division of Radiology, Okayama University Hospital Minori Hoshika

Product Exhibition

April 14 (Sat.) Marine Lobby

Product Exhibition Core Time

11 : 00~11 : 45, 14 : 00~15 : 00

1. Automatic Measurement System for Mean Cerebral Blood Flow Based on Patlak Plot Method in Cerebral Blood Flow Scintigraphy Test
Department of Intelligence Science and Engineering, Graduate School of Natural Science and Technology, Gifu University Masaya Momiuchi
2. Three-dimensional Graphics System of Medical Images on the Web for Patients
Vocsis Corporation Koji Kobayashi
3. Development of an Educational System on Interpretation Assistance for Radiological Technologist -Cancer Case Edition-
Department of Radiological Technology, National Cancer Center Hospital Naoya Ikeno
4. Development of Computer-aided Diagnostic System for Cancer Therapy and Dose Measurement in ^{18}F -FDG PET/CT
Department of Intelligence Science and Engineering, Graduate School of Natural Science and technology Manami Haga
5. Quality Improvement and Cost Reduction of High Adhesion Tailor-made Bolus Made with 3D Printer and Transparent Soft Material
Radiation and Proton Therapy Center, Shizuoka Cancer Center Satoshi Ito

【JSRT-JSMP Joint Session】

(A) JSRT-JSMP Joint Lecture

April 14 (Sat.) 10:00–10:50 (502)

Moderator: Fujita Health Univ. Naoki Hayashi
The TG-132 Concept and Evolution of Imaging and Image Use in Radiotherapy
Washington Univ. Sasa Mutic

(B) JSRT-JSMP Joint Sessions

April 15 (Sun.) 9:40–11:50 (501)

The Know-how Useful for Publication of Your Article in RPT

Moderator: Teikyo Univ. Shinji Kawamura
Kumamoto Univ. Junji Shiraishi

1-1. From the Standpoint of an Author (Diagnostic Imaging)
National Defense Medical College Hosp. Hideo Nose

1-2. Comments as Author (MRI, Nuclear Medicine and Informatics)
Yamaguchi Univ. Hosp. Koya Fujimoto

1-3. Author's Viewpoints (Radiation Therapy Physics)
Kumamoto Univ. Takeshi Ohno

2-1. From the Standpoint of a Reviewer (Diagnostic Imaging)
Kumamoto Univ. Junji Shiraishi

2-2. Suggestions and Advice as Reviewer (MRI, Nuclear Medicine and Informatics)
Hokkaido Univ. Toru Yamamoto

2-3. From the Standpoint of a Referee (Radiation Therapy Physics)
National Institute of Radiological Sciences Nobuyuki Kanematsu

3-1. From the Viewpoint of the Editor (Diagnostic Field)
Nagoya Univ. Yoshie Kodera

3-2. From the Viewpoint of the Editor (MRI, Nuclear Medicine and Informatics)
Kitasato Univ. Tomoyuki Hasegawa

3-3. Special Techniques to Be Accepted to the RPT Journal
Kumamoto Univ. Fujio Araki

4. General Comments
The Univ. of Chicago Kunio Doi

(C) Award Ceremony for Doi-Prize and Most Citation Award, and Award Lectures

April 15 (Sun.) 12:00–12:45 (501)

Coordinator: Teikyo Univ. Shinji Kawamura

1) Most Citation Award Ceremony
Conferrer: The University of Chicago Kunio Doi

RPT Vol.8 No.1: 53-59, 2015
Modulation transfer function measurement of CT images by use of a circular edge method with a logistic curve-fitting technique.
Tomomi Takenaga

RPT Vol.8 No.2: 286-294, 2015

Practical calibration curve of small-type optically stimulated luminescence (OSL) dosimeter for evaluation of entrance skin dose in the diagnostic X-ray region.

Kazuki Takegami

RPT Vol.8 No.1: 153-159, 2015

Expiratory computed tomographic techniques: A cause of a poor rate of change in lung volume.

Keiko Morikawa

2) Doi-Prize Award Ceremony and Basic Policy of Editing in RPT

Executive Editor

Kunio Doi

3) Doi-Prize Award Lectures

A) Diagnostic Imaging

Moderator: Teikyo Univ. Shigehiko Katsuragawa

RPT Vol.10, No.3: 279-285

Evaluation of Pre-surgical Models for Uterine Surgery by Use of Three-dimensional Printing and Mold Casting
Gifu Univ. Sayed Ahmad Zikri Bin Sayed Aluwee

B) MRI, Nuclear Medicine and Informatics

Moderator: Kitasato Univ. Tomoyuki Hasegawa

RPT Vol.10, No.1: 41-48

Fully Parametric Imaging with Reversible Tracer ^{18}F -FLT within a Reasonable Time

Kagawa Univ.

Nobuyuki Kudomi

C) Radiation Therapy, Protection and Dosimetry

Moderator: ANTM

Masahiro Endo

RPT Vol.10, No.1: 60-67

Dose Reduction Technique in Diagnostic X-ray Computed Tomography by Use of 6-Channel Multileaf
Collimators

Fujita Health Univ.

Fumio Hashimoto

【JSMP Program】

(A) Morning Educational Lecture

(1) April 13 (Fri.) 8:15–8:55 (418 + 419)

Moderator: QST/NIRS Taiga Yamaya
Combination of Diagnostic Imaging with Therapeutic Applications: Theranostics and Companion Diagnosis
QST/NIRS Yoichi Takakusagi

(2) April 14 (Sat.) 8:15–8:55 (418 + 419)

Moderator: Hiroshima Heiwa Clinic Kaoru Ono
IAEA Human Health Series No.31 "Accuracy Requirements and Uncertainties in Radiotherapy" (Overview)
Juntendo Univ. Chie Kurokawa

(3) April 15 (Sun.) 8:15–8:55 (418 + 419)

Moderator: Kyushu Univ. Hidetaka Arimura
Data Science and Its Application to Image-informatics
Kyushu Univ. Seiichi Uchida

(B) Lunch Time Lecture

(1) April 13 (Fri.) 12:00–12:50 (418 + 419)

Moderator: HIPRAC Shuichi Ozawa
Activity of Medical Physics Working Group in Clinical Trial for Radiotherapy
Tokyo Women's Medical Univ. Teiji Nishio

(2) April 14 (Sat.) 12:00–12:50 (418 + 419)

Moderator: AIST Tadahiro Kurosawa
The RTNORM Contribution to the Update of the k_{Q,Q_0} Factors for the International Dosimetry Code of Practice
IAEA TRS 398
ENEA-INMRI Massimo Pinto

(3) April 15 (Sun.) 12:00–12:50 (418 + 419)

Moderator: QST/NIRS Hideyuki Mizuno
Recent Discussion on Operational Quantities for External Radiation Exposure
JAEA Akira Endo

(C) Educational Lecture

April 13 (Fri.) 9:00–9:45 (419)

Moderator: Nagoya Proton Therapy Center Toshiyuki Toshito
Prevalence of research ethics—Your presentation will be rejected—
Hokkaido Univ. Toru Yamamoto

(D) Seminar

April 14 (Sat.) 13:35–15:05 (418 + 419)

Introduction of the Revised Standard Dosimetry of Absorbed Dose to Water in Brachytherapy. (Standard

Dosimetry in Brachytherapy 18)

- Moderator: Teikyo Univ. Shinji Kawamura
Kyoto Prefectural Public Univ. Corporation Tadashi Takenaka
1. The current status of measurement standards for sealed brachytherapy sources in Japan
Kindai Univ. Takahiro Yamada
 2. Supplement to the uncertainty evaluation and dose calculation algorithms
Keio Univ. Takashi Hanada
 3. Dosimetry and QA for ^{125}I Permanent Implant Brachytherapy
Osaka Univ. Yutaka Takahashi
 4. Dosimetry of source strength for high dose rate brachytherapy
Saitama Cancer Center Toru Kojima
 5. Quality assurance in brachytherapy for accident prevention
National Cancer Center Hosp. Hiroyuki Okamoto

(E) Symposium

April 14 (Sat.) 15:10–17:00 (418 + 419)

A Separate Calibration of a Radiotherapy Dosimeter

- Moderator: Chiba Cancer Center Toru Kawachi
QST/NIRS Makoto Sakama
1. Electrometer guideline for radiotherapy dosimeter
NMIJ, AIST Morihito Shimizu
 2. Basic principles of electrometer for ion chamber
EMF Japan Co., Ltd. Yohei Ihara
 3. Performance checks for an electrometer in a radiotherapy clinic
Univ. of Fukui Hosp. Naoki Kinoshita
 4. The calibration service of ANTM as the secondary standard dosimetry laboratory in Japan
ANTM Nobuhiro Takase

(F) Special Lecture

April 15 (Sun.) 11:00–11:50 (418 + 419)

- Moderator: QST/NIRS Shinichiro Mori
Application of Deep Learning Technique to Radiation Imaging and Therapy
The Catholic Univ. of Korea Do-Kun Yoon

(G) Report from the QA/QC committee 2016-17 on survey results

April 13 (Fri.) 17:10–18:00 (419)

- Moderator: Kanagawa Cancer Center Masahiko Kurooka
Questionnaire Survey on Treatment Planning Techniques in Lung Stereotactic Body Radiotherapy
Osaka International Cancer Institute Yoshihiro Ueda

(H) JSMP-JSMBE Joint Session

April 15 (Sun.) 10:00–10:50 (419)

- Moderator: NCVC Masaru Sugimachi
QST/NIRS Shigekazu Fukuda

1. Activity of Bidding World Congress

QST/NIRS Shigekazu Fukuda

2. Intraoperative Informatics for Visualization and Optimization of Minimally Invasive Surgery

Chiba Univ. Ryoichi Nakamura

(I) Session for students

April 15 (Sun.) 14:00–14:50 (419)

Moderator: HIPRAC

Shuichi Ozawa

Kindai Univ.

Hajime Monzen

Session for Students Studying in Japan "Are you satisfied with studying in Japan?"

JSMP Board of Directors

April 12 (Thu.) 12:00–17:00 (421)

April 15 (Sun.) 9:00–10:00 (421)

JSMP General Meeting of Members

April 14 (Sat.) 17:10–18:40 (419)

【General Session】

April 12 (Thu.) 418

1. Radiation Therapy (photon/electron) 1 (Commissioning)

13:00–14:00

Moderator: Hirokazu Mizuno

- 0-001** Dosimetric accuracy of dose calculation algorithms for lung heterogeneity phantom
Kobe Univ. Naritoshi Mukumoto
- 0-002** Comparison of Beam Data Measurement Methods to Simplify Data Collection with representative Data
Seirei Hamamatsu General Hosp. Yumiko Adachi
- 0-003** Dosimetric impact of dose calculation algorithms in RapidArc plans for high-grade glioma
Niigata Univ. Hosp. Takeshi Takizawa
- 0-004** Dosimetric impact of interplay effects in single arc volumetric modulated arc therapy for pancreatic cancer
Kyoto Univ. Makoto Sasaki
- 0-005** Multi-institutional analysis of photon beam data for Elekta Linac
Ishinomaki Red Cross Hosp. Kosei Fujiwara
- 0-006** Determination of dosimetric leaf gap and MLC transmission using multi-dimensional detector array
Keio Univ. Kyohei Fukata

2. Radiation Therapy (photon/electron) 2 (Treatment planning 1)

14:05–14:55

Moderator: Satoru Sugimoto

- 0-007** Comprehensive approach of total body irradiation (TBI) using CT-based treatment planning for long Source-surface distance (SSD) method
NCCHE RSQAD Hidenobu Tachibana
- ★ **0-008** Evaluation of the optimization workflow with design of experiment (DoE) for the various configurations of field arrangement in VMAT planning
Hiroshima Univ. Hosp. Kentaro Miki
- ★ **0-009** COMPARISON OF THREE RADIOTHERAPY TECHNIQUES AND DOSIMETRIC STUDY FOR LEFT-SIDE BREAST CANCER WITH THE INVOLVEMENT OF SUPRACLAVICULAR NODES.
Bangladesh Atomic Energy Commission Md Rafiqul Islam
- 0-010** Automated analysis of radiotherapy treatment planning with convolutional neural network for determination of optimal prescribed dose for prostate IMRT patients
Tohoku Univ Tomohiro Kajikawa
- 0-011** A study of quality evaluation in treatment plan of intensity modulated radiation therapy using the gradient measurement tool
Hokkaido Univ. Atsushi Izuka

3. Radiation Therapy (photon/electron) 3 (Patient specific QA 1)

15:00–15:50

Moderator: Masahiko Kurooka

- 0-012** Development of deep learning neural network based prediction of patient-specific QA

result

- SMC Seiji Tomori
0-013 A basic examination of MLC limit speed by log file analysis for MLC QA
Niigata Univ. Masato Fujisawa
- 0-014** Treatment outcome estimation based on reconstructed patient anatomy received treatment beam
Tohoku Univ. Yoshiyuki Katsuta
- 0-015** Impact of rectal gas on the EPID-based in-vivo dosimetry system for IMRT prostate cancer patient
Tohoku Univ. Takuya Matsumoto
- 0-016** Evaluation of 3D-printed patient specific head and neck phantom for IMRT QA using RADModeler
Tohoku Univ. Kota Abe

4. Radiation Therapy (photon/electron) 4 (Outcome prediction • Radiomics)

15:55–16:25

Moderator: Jun'ichi Kotoku

- ★ **0-017** Optimization of feature subset and parameters for support vector machine using genetic algorithm in outcome prediction for patients with glioma
Komazawa Univ. Takuya Mizutani
- 0-018** Prediction of cancer prognosis by the CT-based radiomic signature in lung cancer patients with SBRT
Tohoku Univ. Shinya Sato
- 0-019** Microdosimetric evaluation of photon-energy dependence on biological effectiveness
Hokkaido Univ. Yoshie Yachi

5. Radiation Therapy (photon/electron) 5 (IGRT)

16:30–17:20

Moderator: Nobutaka Mukumoto

- ★ **0-020** Direct measurement of MV-scatter on kV image acquired during concurrent MV beam irradiation
Kyoto Univ. Hiraku Iramina
- ★ **0-021** Investigation of Entrance Surface Dose Evaluation Method Using Farmer Type Ionization Chamber in kV Radiation for Image-guided Radiation Treatment
Gunma Prefectural College of Health Sciences Hayato Tsuno
- ★ **0-022** CBCT image quality improvement using a deep convolutional neural network
Gunma Univ. Satoshi Kida
- ★ **0-023** Field-of-view expansion of megavoltage CT based on iterative reconstruction algorithm using prior information
Komazawa Univ. Yuki Watanabe
- 0-024** Marker recognition algorithm based on image similarity using pixel value histogram in real-time tumor-tracking radiotherapy
Hokkaido Univ. Kazunori Matsuyama

April 12 (Thu.) 419

6. Radiation Therapy (particle) 1 (Treatment planning)

13:00–13:50

Moderator: Kensuke Hayashi

- 0-025** Interfractional movements of the prostate and seminal vesicles during CT image-guided proton therapy for prostate cancer and their impact on the proton range for lateral beam configurations
Fukui Prefectural Hospital Proton Therapy Center Yoshikazu Maeda
- 0-026** Prostate position deviation analysis using real-time-image gated spot-scanning proton therapy (RGPT) system for prostate cancer
Hokkaido Univ. Hiroshi Tamura
- ★ **0-027** A study on the influence of changing the motion recognition rate on the dose accuracy of spot-scanning proton therapy
Hokkaido Univ. Tetsuhiro Sodeta
- ★ **0-028** Development of the DVH prediction method considering dose distribution in proton therapy
Hokkaido Univ. Yu Hiyama
- 0-029** Usefulness of quantitative assessment tool of anatomical change using a virtual proton depth radiograph for adaptive proton therapy
The National Cancer Center Hidenobu Tachibana

7. Radiation Therapy (particle) 2 (LET · Stopping power)

14:00–14:50

Moderator: Taku Inaniwa

- ★ **0-030** Development of an analytical dose-averaged LET calculation method using a dual-LET-kernel model for spot-scanning proton therapy
Hokkaido Univ. Shusuke Hirayama
- ★ **0-031** An investigation of biological impact caused by using a collimator in pencil beam scanning proton therapy
Hokkaido Univ. Koki Ueno
- 0-032** A simple formulation for deriving stopping power ratio in the human body from dual-energy CT data
Niigata Univ. Masatoshi Saito
- ★ **0-033** Range calculation in water irradiated by a carbon ion with updated ICRU stopping power table in Geant4
Nagoya Univ. Yoshiyuki Hirano
- ★ **0-034** The Proton Computed Tomography with VIPMan Phantom: A simulation Study
Oncology Center, Military Hospital 175, Viet Nam Dang Quang Huy

8. Radiation Therapy (particle) 3 (Dosimetry)

15:00–15:40

Moderator: Akihiro Nohtomi

- 0-035** Performance of a commercial scintillator/CCD camera system for scanned proton beams
Sapporo Teishinkai Hosp. Kunihiko Tateoka
- ★ **0-036** Development of an online dose distribution visualization system (RDD visualization system)
WERC Kyo Kume
- 0-037** Estimation of produced light from prompt gamma photons on luminescence imaging of

water for proton therapy dosimetry

Nagoya Univ. Takuya Yabe

- 0-038** Simulation of ionoacoustic wave generated by MHz intensity oscillation of proton beam
Univ. of Tsukuba Yosuke Miyauchi

9. Diagnostic Imaging 1 (Analysis · Evaluation)

15:50–16:30

Moderator: Hidemi Kamezawa

- 0-039** Evaluation of Image Conditions using MTF and FOM in X-rays CT with Iterative Reconstruction for Detection of Acute Cerebral Infarction

Kitasato Univ. Hidetake Hara

- 0-040** Image quality characteristics of two-dimensional CdTe X-ray image sensor and discrimination ability of material of human body equivalent phantoms

Osaka Univ. Masao Matsumoto

- 0-041** Automatic measurement of presampled MTF using SD method with square-wave chart

Ibaraki Prefectural Univ. Shinji Abe

- 0-042** Determination of slice sensitivity profile for iterative reconstruction CT using low-contrast phantom

Niigata Univ. Shingo Harashima

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10. Radiation Measurement 1

9:00–9:50

Moderator: Yusuke Koba

- 0-047** Quantification of the coincidence between light and X-ray fields in air by using a light probe detector

Gifu Univ. Tomohiro Shimozato

- 0-048** Uncertainty estimation of an external monitor dosimeter for cross-calibration of high-energy electron beams

Nagoya Univ. Sadahiro Seno

- 0-049** Absorbed dose measurement of water in a high-energy electron beam by using a compact calorimeter

The Univ. of Komazawa Ken Hirayama

- 0-050** A study to speed-up the dose measurements with an alanine/ESR dosimeter

AIST Hidetoshi Yamaguchi

- 0-051** Characteristics of semiconductor detectors in a high-energy photon beam

Komazawa Univ. Takuya Saitou

11. Radiation Measurement 2

10:00–10:50

Moderator: Kiyomitsu Shinsho

- ★ **0-052** Dosimetric properties of a nanoDot OSLD system in radiotherapy

Kumamoto Univ. Kento Hoshida

- 0-053** Study of in vivo dosimetry using polymer gel dosimeter

IPU Hiraku Fuse

- 0-054** Development of a condenser dosimeter using a skin-insulated USB-A-substrate with a silicon X-ray diode

Iwate Medical Univ. Satoshi Yamaguchi

- ★ **0-055** Monte Carlo study of conversion factors for mean glandular dose in mammography

- ★ **0-056** Absorbed dose-to-water calibration of a dose area product meter in interventional radiology
Kumamoto Univ. Sae Shinohara

Kumamoto Univ. Suzuna Umeno

12. Medical Image and Information 1 (General)

11:00–11:50

Moderator: Atsushi Myojoyama

- 0-057** Iterative reconstruction algorithm with refraction correction

Teikyo Univ. Yuki Saitoh

- 0-058** Development of an inexpensive portable optical CT scanner

Teikyo Univ. Yoosuk Kang

- 0-059** Investigation of an 850-nm-peak high-sensitivity near-infrared-ray computed tomography scanner

Iwate Medical Univ. Yuichi Sato

- 0-060** Time-dependent weighted reconstruction method with insufficient projection data for mobile target

Hokkaido Univ. Sinnji Motoi

- 0-061** A Computer-Assisted Learning Program for Iterative CT Image Reconstruction

Tokyo Metropolitan Univ. Hiroyuki Shinohara

13. Radiation Therapy (photon/electron) 6 (Patient specific QA 2)

15:10–16:00

Moderator: Shuichi Ozawa

- ★ **0-065** Fundamental study on dosimetric error due to phantom setup error for film-based dose distribution analysis

Hokkaido Univ. Masayori Ishikawa

- 0-063** A feasibility study of the sum signal dosimetry for high dose quality assurance with Gafchromic films

NCCHE Ryuzo Uehara

- 0-064** An analysis of a systematic error of point dose measurements in IMRT verification

Ryukyus Univ. Masashi Kinjyo

- ★ **0-062** Performance evaluation of predictive gamma-passing rate of IMRT planar dose distribution

Hospital of UOEH Eiji Shiba

- 0-066** Impact of CT-HU values in the voxels around the reference point to dose difference in independent calculation verification

Komazawa Univ. Jun Nomura

14. Radiation Therapy (photon/electron) 7 (Treatment planning 2)

16:05–17:05

Moderator: Noriyuki Kadoya

- ★ **0-071** Evaluation for knowledge based planning of volumetric modulated arc therapy (VMAT) for prostate cancer in multi-institution

OICI Yoshihiro Ueda

- ★ **0-068** Application of knowledge-based VMAT treatment planning for prostate cancer to clinical delivery

Kindai Univ. Mikoto Tamura

- ★ **0-069** Angular range optimizer for VMAT using geometry-oriented dose uncertainty model

- Hiroshima Univ. Masayoshi Mori
- 0-070** Accuracy of Automated Knowledge-based Anatomical Segmentation for the Extracranial Regions
- KCH Taro Matsushita
- 0-067** Improvement of dose distribution by adjusting beam parameters based on dose calculations during a course of radiotherapy using optimization algorithm
- Tohoku Univ. Suguru Dobashi
- 0-072** Dosimetric evaluation of prostate SBRT dose distributions of Linac, CyberKnife and MRIdian
- NCCH Shie Nishioka

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15. Radiation Therapy (particle) 4 (Commissioning)
 15:10–15:50 Moderator: Yoshikazu Tsunashima

- 0-073** Evaluation of interplay effect in the line scanning method for moving targets with small respiratory motion
- Aizawa Hosp. Yuya Sugama
- ★ **0-074** Performance of line scanning method for proton therapy
- Sapporo Teishinkai Hosp. Yuya Azuma
- 0-075** Clinical commissioning of the new carbon ion therapy system Osaka HIMAK
- Osaka HIMAK Masaaki Takashina
- ★ **0-076** The effects of hydrogen density to the neutron attenuation in BNCT treatment planning system
- Tottori Univ. Hosp. Hiroyuki Sato

16. Diagnostic Imaging 2 (Development)
 16:00–16:40 Moderator: Masayori Ishikawa

- 0-043** Hands-on virtual reality dose visualization and air dose estimation in interventional radiology
- Teikyo Univ. Takeshi Takata
- 0-044** Dual-energy X-ray computed tomography scanner using a high-spatial-resolution cadmium telluride array detector
- Iwate Medical Univ. Eiichi Sato
- 0-045** Measurement of X-ray spectra using an LYSO-micro-photomultiplier detector and its application to dual-energy computed tomography
- Iwate Medical Univ. Yasuyuki Oda
- 0-046** Development of an extremely compact dosimeter using a silicon X-ray diode and a long USB cable
- Iwate Medical Univ. Michiaki Sagae

April 14 (Sat.) 418

17. Radiation Therapy (photon/electron) 8 (Motion management)

9:00–9:50

Moderator: Takeshi Kamomae

- 0-077** Evaluation of correlation between body-surface motion and tumor motion during breath-holding radiotherapy for lung cancer
Univ. of Yamanashi Masahide Saito
- ★ **0-078** Development of a quick calibration method of an infrared camera system for respiratory monitoring
Hiroshima Univ. Hospital Akito Saito
- ★ **0-079** Verification of target movement using a new 4-dimensional target-moving phantom
Tokai Univ. Yoshitsugu Matsumoto
- ★ **0-080** An investigation of geometric uncertainties of the rectum surfaces due to the shape variations in prostate cancer radiation therapy
Kyushu Univ. Mohammad Haekal
- ★ **0-081** Comparison of delivered dose distribution with intra-fractional motion in VAMT and HT using biplanar diode array detector
Juntendo Univ. Keisuke Usui

18. Radiation Therapy (photon/electron) 9 (Development • Others)

11:00–11:50

Moderator: Iori Sumida

- 0-082** Development of the equipment to control electron beams by using electromagnets
Tokyo Metropolitan Univ. Ryo Imai
- ★ **0-083** Realization of non-coplanar VMAT with continuous couch rotation on L-shaped treatment machines
Kyoto Univ. Hideaki Hirashima
- ★ **0-084** Development of raster scan IMRT using robotic radiosurgery system
Miyakojima Clinic Hiroya Shiomi
- ★ **0-085** Development of Monte Carlo dose calculation system for a new dual layer multi-leaf collimator
JRCWMC Yoshitomo Ishihara
- 0-086** Evaluation of correlation between internal fiducial marker motion and deformation field in lung
Hokkaido Univ. Naoki Matsumoto

19. Brachytherapy

13:00–13:30

Moderator: Hiroyuki Okamoto

- 0-087** Development of real-time quality assurance system for HDR brachytherapy
Hokkaido Univ. Shota Saito
- ★ **0-088** Output characteristics of Cerenkov emission for a quality assurance tool in HDR brachytherapy
HIPRAC Katsunori Yogo
- ★ **0-089** Effect of a brachytherapy applicator and tissue heterogeneity on dose distributions using Monte Carlo simulations for cervical cancer
Kyushu Univ. Tran Thi Thao Nguyen

April 14 (Sat.) 419

20. Radiation Measurement 3 9:00–10:00 Moderator: Hiroaki Kumada

- 0-090** Visualization of Ra-223 chloride using a gamma-ray omnidirectional Compton camera for radioactive environmental monitoring
Kitasato Univ. Hiroshi Muraishi
- 0-091** Remote measurement of the radioactivity in urine passed by PET scan patients using a Compton camera
Tokyo Metropolitan Univ. Takara Watanabe
- 0-092** Evaluation of Cherenkov light influence on the fiber optic dosimeter using a Nd:YAG crystal
Hitachi, Ltd Yuichiro Ueno
- ★ **0-093** Development of prompt gamma rays imaging detector using LaBr₃(Ce) scintillator arrays for Boron Neutron Capture Therapy
Kyoto Univ. Keita Okazaki
- ★ **0-094** Development of real time radiation detector capable of beam quality discrimination measurement in BNCT field
Kyoto Univ. Michitaka Sato
- ★ **0-095** Neutron beam quality measurement of the Kyoto University Research Reactor using microdosimetric technique
Kyoto Univ. Naonori Ko

April 15 (Sun.) 418

21. Medical Image and Information 2 (Radiomics) 9:00–9:50 Moderator: Akihiro Haga

- ★ **0-096** Preliminary results of radiomics feature stability with various CT acquisition parameters
Komazawa Univ. Taiki Magome
- 0-097** Image Classification using persistent homology(1)
Teikyo Univ. Jun'ichi Kotoku
- 0-098** Image Classification using persistent homology(2)
Teikyo Univ. Asuka Oyama
- ★ **0-099** Discovering the optimal mother wavelet in extraction of CT image-based radiomic features for survival prediction of lung cancer patients
Japan Society for the Promotion of Science Mazen Soufi
- ★ **0-100** Development of a framework for prediction of lung cancer patients' prognoses using PCA-based radiomic features
Kyushu Univ. Masahiro Yamada

22. Medical Image and Information 3 (Deep learning · Others) 10:00–10:40 Moderator: Shinichiro Mori

- ★ **0-101** Survival prediction of head and neck cancer patients based on image features selected by using artificial neural network
Teikyo Univ. Hidemi Kamezawa
- ★ **0-102** Deep-learning-based segmentation of GTV regions of lung cancer using datasets of

planning CT and PET/CT images

- ★ **0-103** Preliminary study on the automatic detection of gastric cancer by computer-aided diagnosis Automatic detection of gastric cancer region using FCN-AlexNet
Kyushu Univ. Risa Nakano
- ★ **0-104** Combination of optical flow and principal components analysis for tumor motion analysis during X-ray radiotherapy
Fujita Health Univ. Kazuma Enomoto
The University of Tokyo Michel Pohl

23. Radiation Therapy (photon/electron) 10 (MRI-guided radiotherapy)

13:00–14:00

Moderator: Satoshi Kito

- 0-105** Development of motion phantom in MRI-guided radiotherapy
NCCH Hiroyuki Okamoto
- ★ **0-106** Dose distributions in radiotherapy of lung tumor under MRI magnetic fields
Kumamoto Univ. Takahiro Kubota
- ★ **0-107** Dose distributions for magnetic field effect in a lung phantom using Geant4
Kumamoto Univ. Masayuki Yano
- 0-108** New designed end-to-end phantom compatible with conventional linac and MRI-guided radiotherapy system
NCCH Kotaro Iijima
- 0-109** Evaluation of DIR accuracy between MR images in prostate cancer patients for MR-guided radiotherapy
Tohoku Univ. Shohei Matsuda
- ★ **0-110** The effect of static magnetic field on the chamber response in water
Kumamoto Univ Takanori Matsuoka

24. Radiation Therapy (photon/electron) 11 (Dosimetry)

14:05–14:55

Moderator: Koji Sasaki

- 0-111** Phantom correction factor and dose conversion factor of radiophotoluminescent glass dosimeter in therapeutic electron beam for postal dose audit system
Tokyo Metropolitan Univ. Satsuki Wakamori
- 0-112** Investigation of conversion factor absorbed dose to water reference dosimetry using spherical water equivalent solid phantom
Iwate prefectural Isawa Hosp. Koji Ishita
- 0-113** Optical imaging of water during X-ray beam irradiations from linear accelerator
Nagoya Univ. Seiichi Yamamoto
- 0-114** Comparison between MC simulation and histogram of photons output from ¹³⁷Cs
Tokyo Metropolitan Univ. Kyohei Morita
- 0-115** Fundamental study on inhomogeneous sensitivity correction of scanning position in film dose calibration using Red-Green channel ratio
Sapporo Higashi Tokushukai Hosp. Hideki Kojima

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25. Nuclear Medicine

9:20–10:00

Moderator: Seiichi Yamamoto

- ★ **0-116** Intrinsic performance evaluation of a new TOF-PET detector module with 256-ch 3-mm-

pitch MPPC array

- QST/NIRS Go Akamatsu
★ **0-117** Development of an imaging simulation framework enabling modelling of PET scanners with arbitrary detector arrangement
- QST/NIRS Hideaki Tashima
★ **0-118** List mode reconstruction of a multi-pinhole triple head SPECT system
Hosei Univ Yohei Fujishiro
- ★ **0-119** Three-dimensional Y90 imaging with a commercial Compton camera
Gunma Univ. Makoto Sakai

26. Magnetic Resonance

13:00–14:00

Moderator: Taiki Magome

- 0-120** A Study of Compressed Sensing MRI Using 2D Radial Sampling
Tokyo Metropolitan Univ. Hiroyuki Shinohara
- 0-121** Differentiation of hepatocellular carcinoma and benign liver nodules by using texture analysis on non-enhanced T2-weighted MR images
Teikyo Univ. Yusuke Saikawa
- 0-122** Enhancement of MRI signal changes due to paramagnetic substance in cell-mimetic viscous solution
Teine Keijinkai Hosp. Ken Masuyama
- 0-123** Improvement of Measurements of Cerebral Arteriolar Vasomotor Function Using MRI
Hokkaido Univ. Yusuke Nitanda
- 0-124** Simulation analysis of electric field strength induced in a conductive loop during MRI examinations
Hokkaido, Univ. Takuya Haruyama
- 0-125** A new semi-automatic ROI setting to delineate head and neck squamous cell carcinoma
Hokkaido Univ. Kanae Moriyama

Names of participating companies

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 AcroBio Corporation
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 Canon Lifecare Solutions Inc./AZE, Ltd./
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