JRC 2019 Program

Innovative Radiology close to the Patients

The 78th Annual Meeting of the Japan Radiological Society

The 75th Annual Meeting of the Japanese Society of Radiological Technology

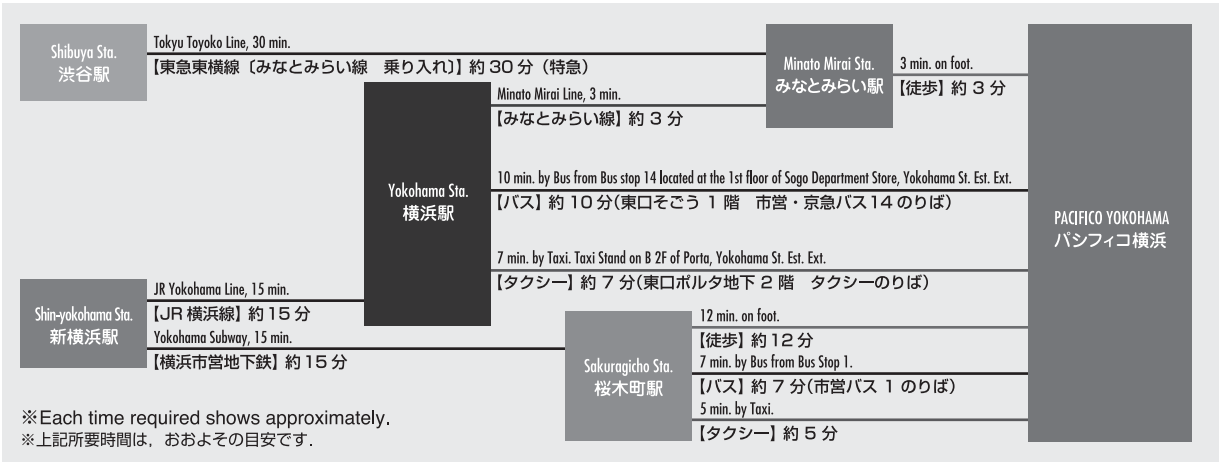
The 117th Scientific Meeting of the Japan Society of Medical Physics

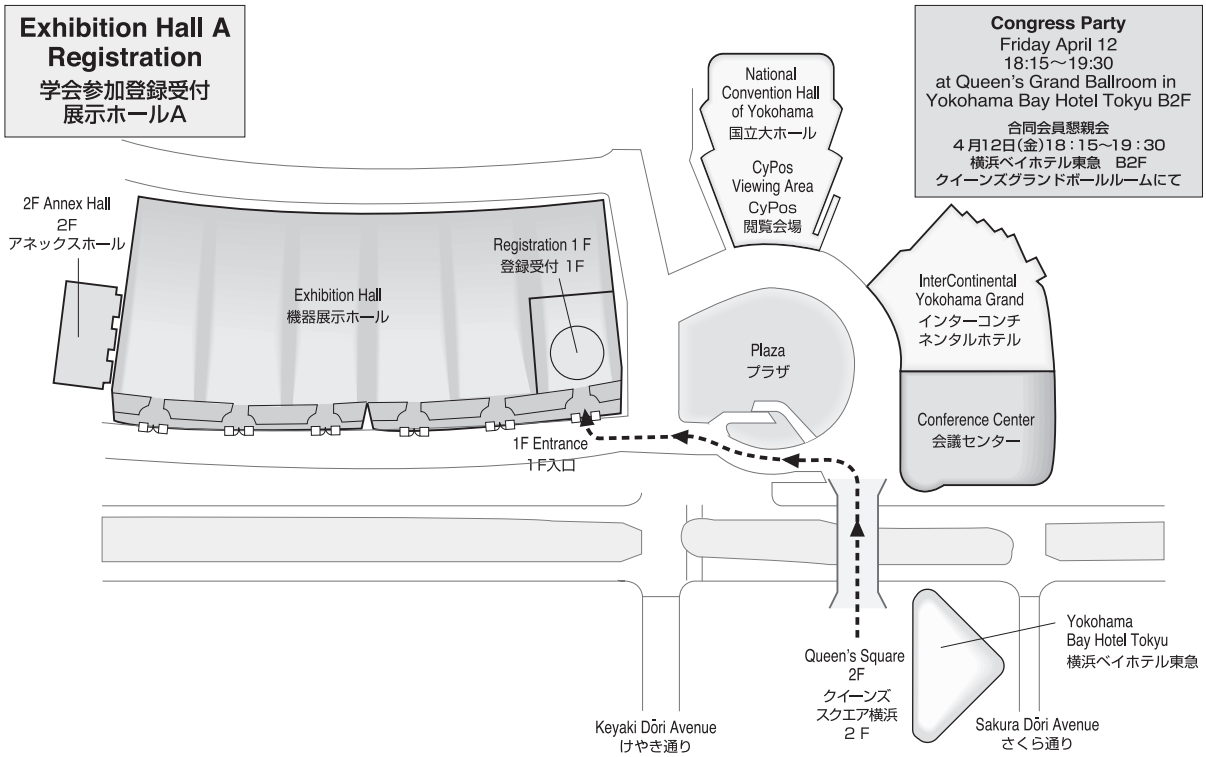
The International Technical Exhibition of Medical Imaging 2019

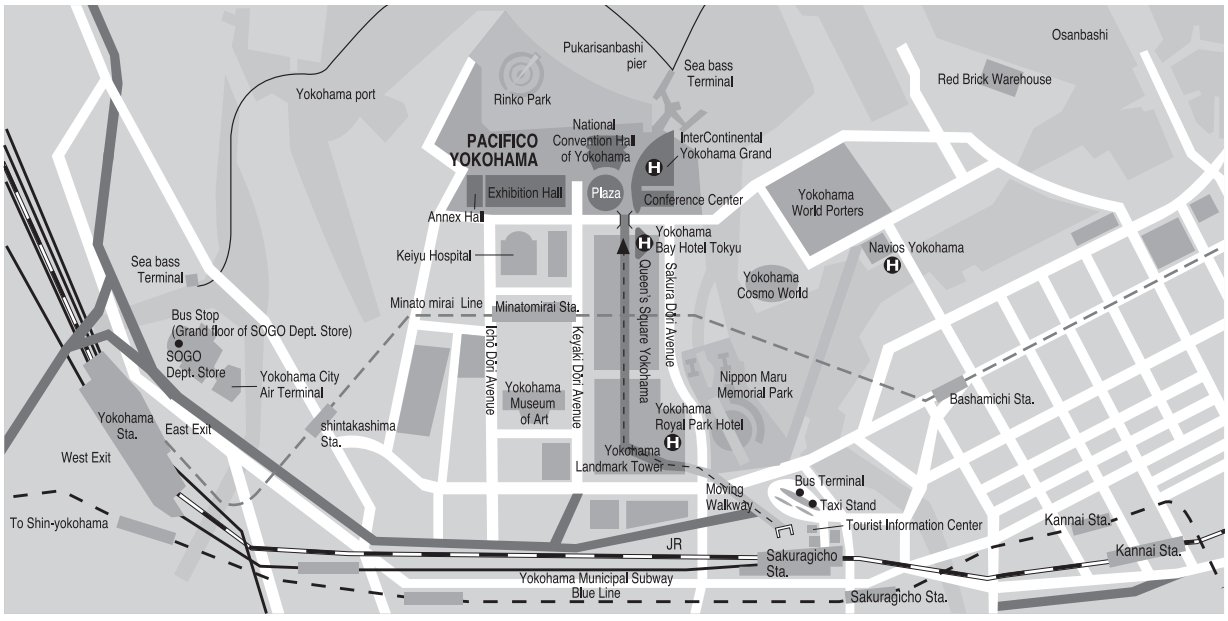
April 11 (Thu) - April 14 (Sun), 2019

PACIFICO YOKOHAMA

Access





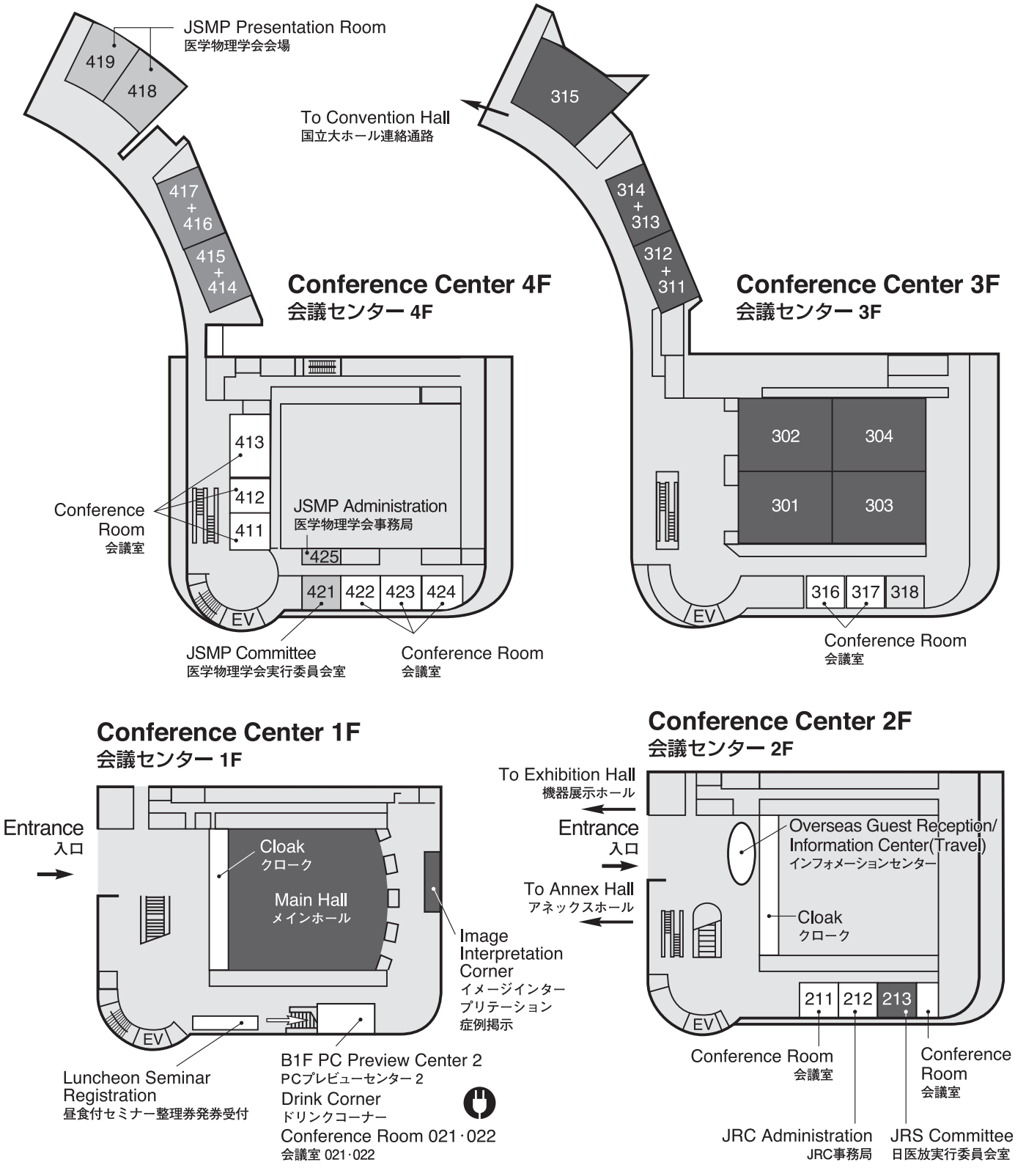


◀- - - - Walking Directions

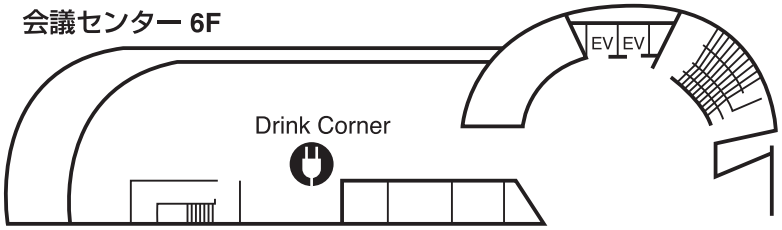
Venue Map

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

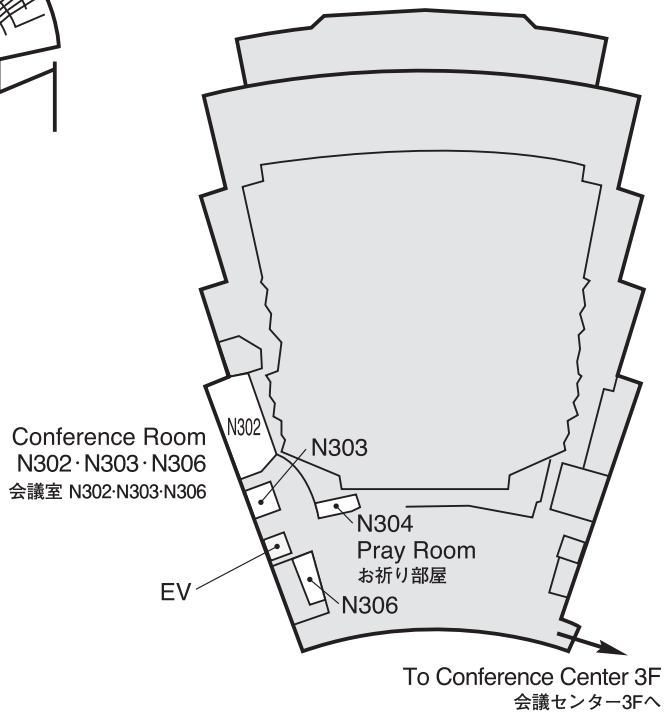
Information Center（Conference Center 2F） インフォメーションセンター	045-228-6453
JRS Committee（213） 日医放実行委員会室	045-228-6449
JSRT Committee（514） 技術学会実行委員会室	045-228-6450
JSMP Committee（425） 医学物理学会実行委員会室	045-228-6451
ITEM Administration 工業会事務局	045-228-6581
JRC Administration（212） JRC 事務局	045-228-6452



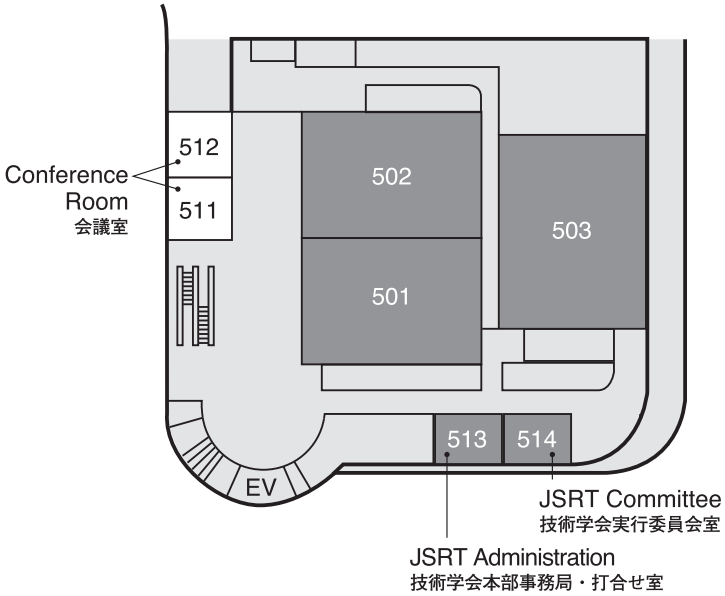
Conference Center 6F
会議センター 6F



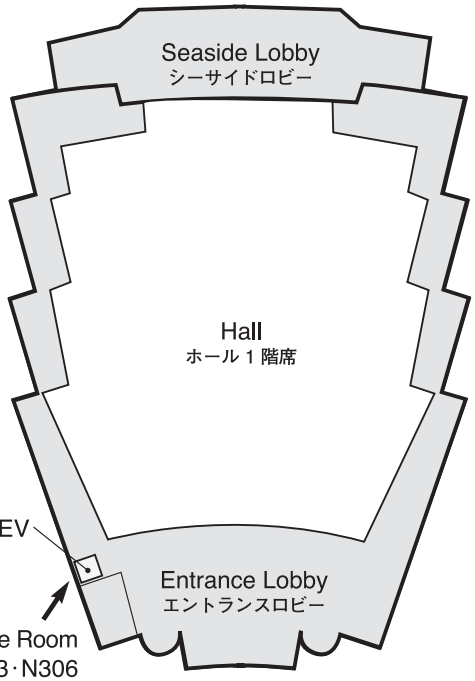
National Convention Hall 3F
国立大ホール 3F



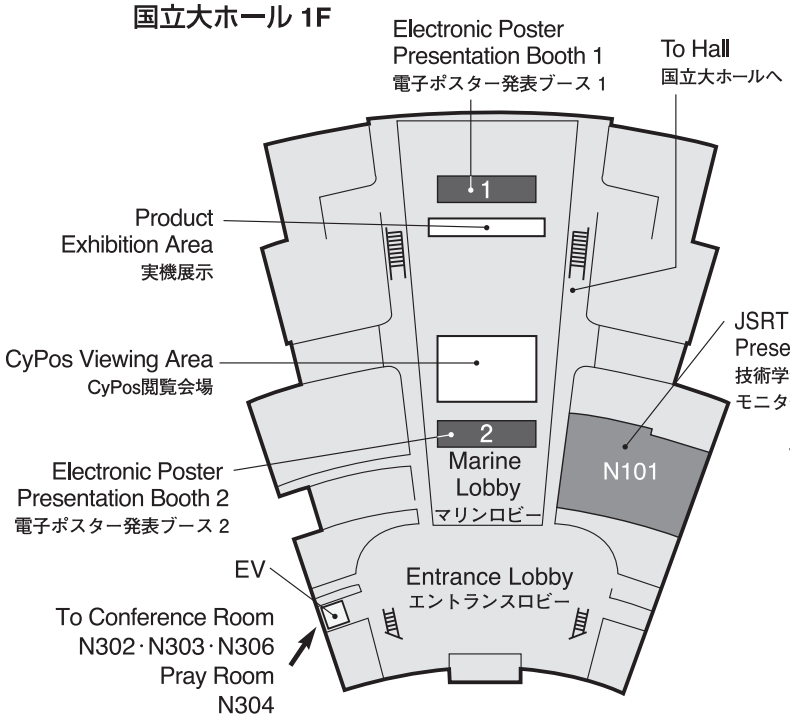
Conference Center 5F
会議センター 5F



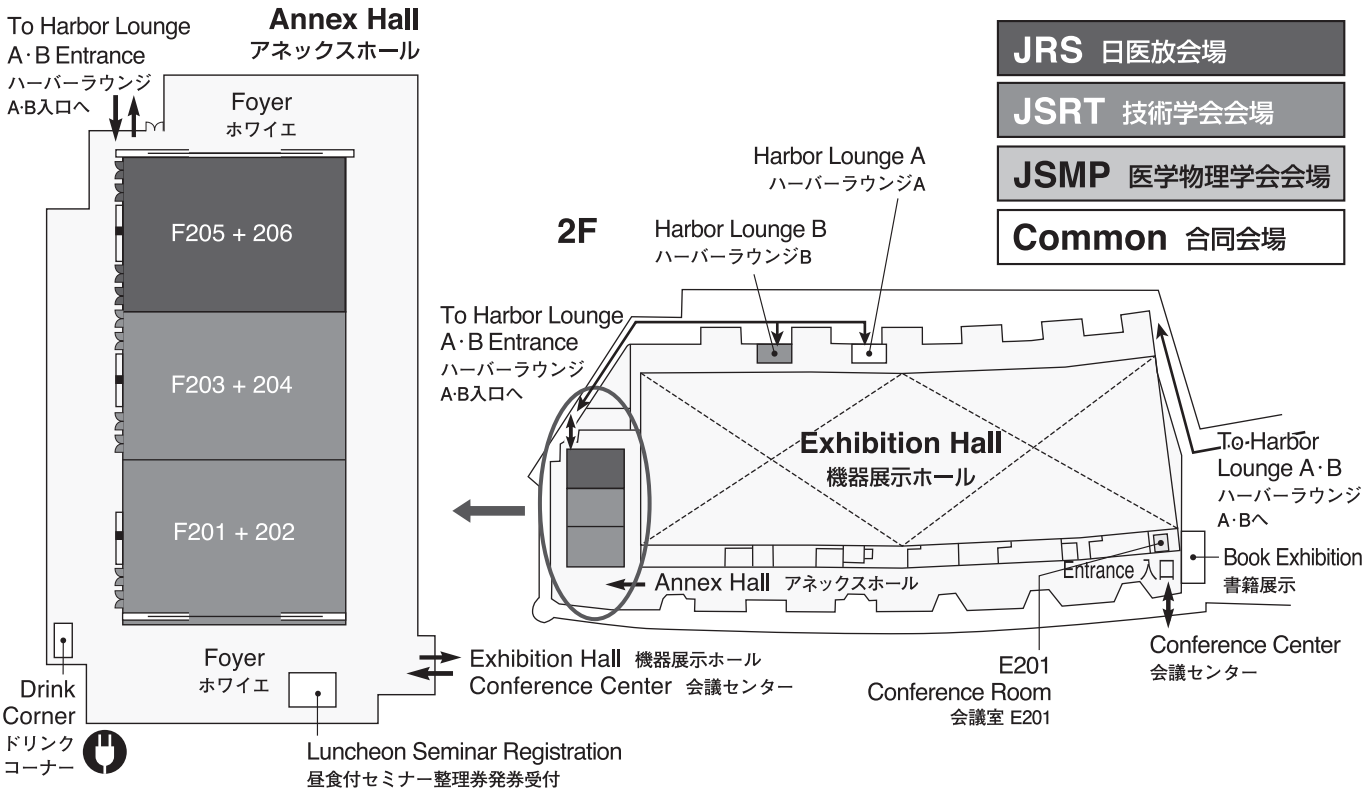
National Convention Hall 2F
国立大ホール 2F

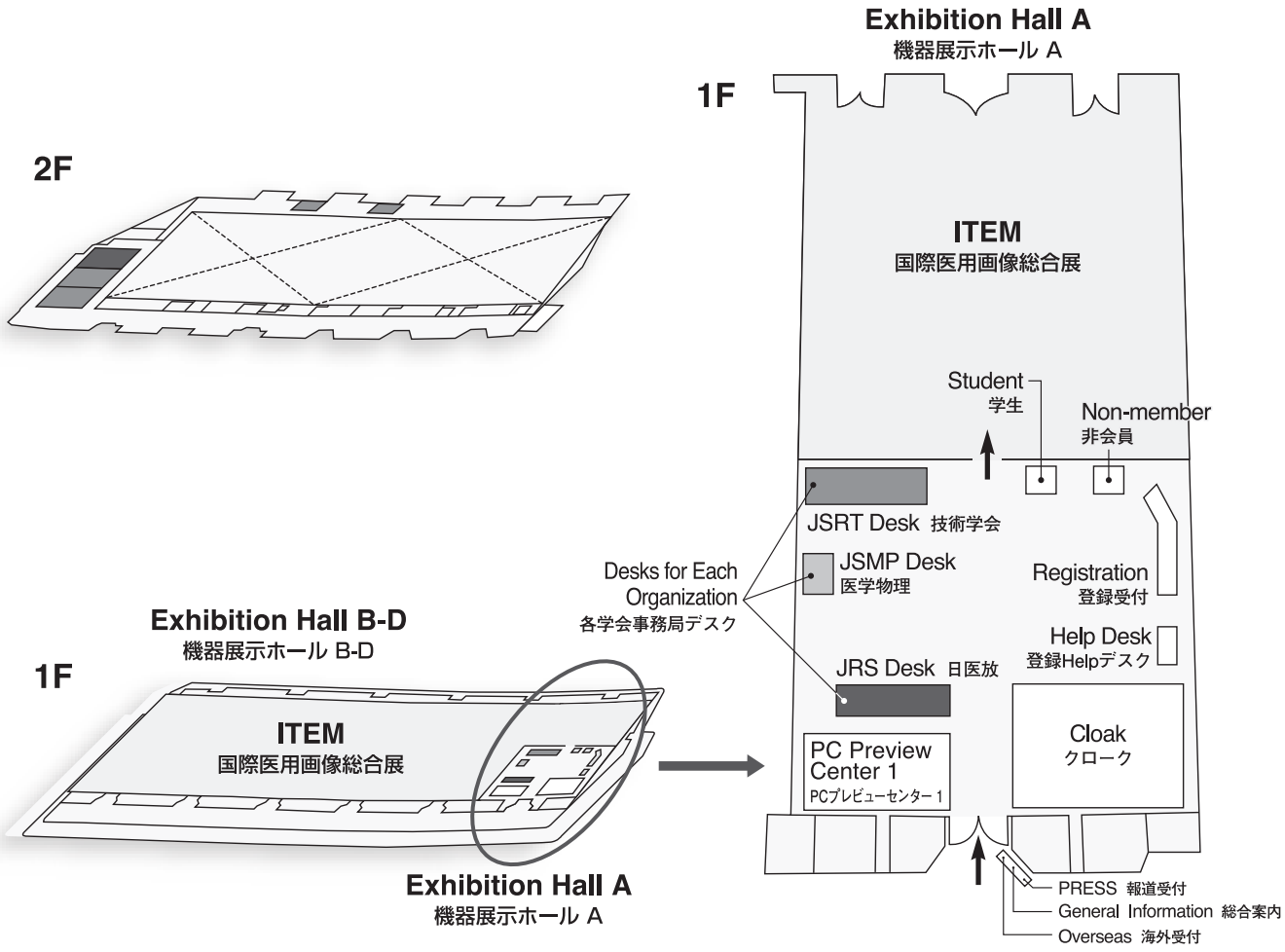


National Convention Hall 1F
国立大ホール 1F



Exhibition Hall

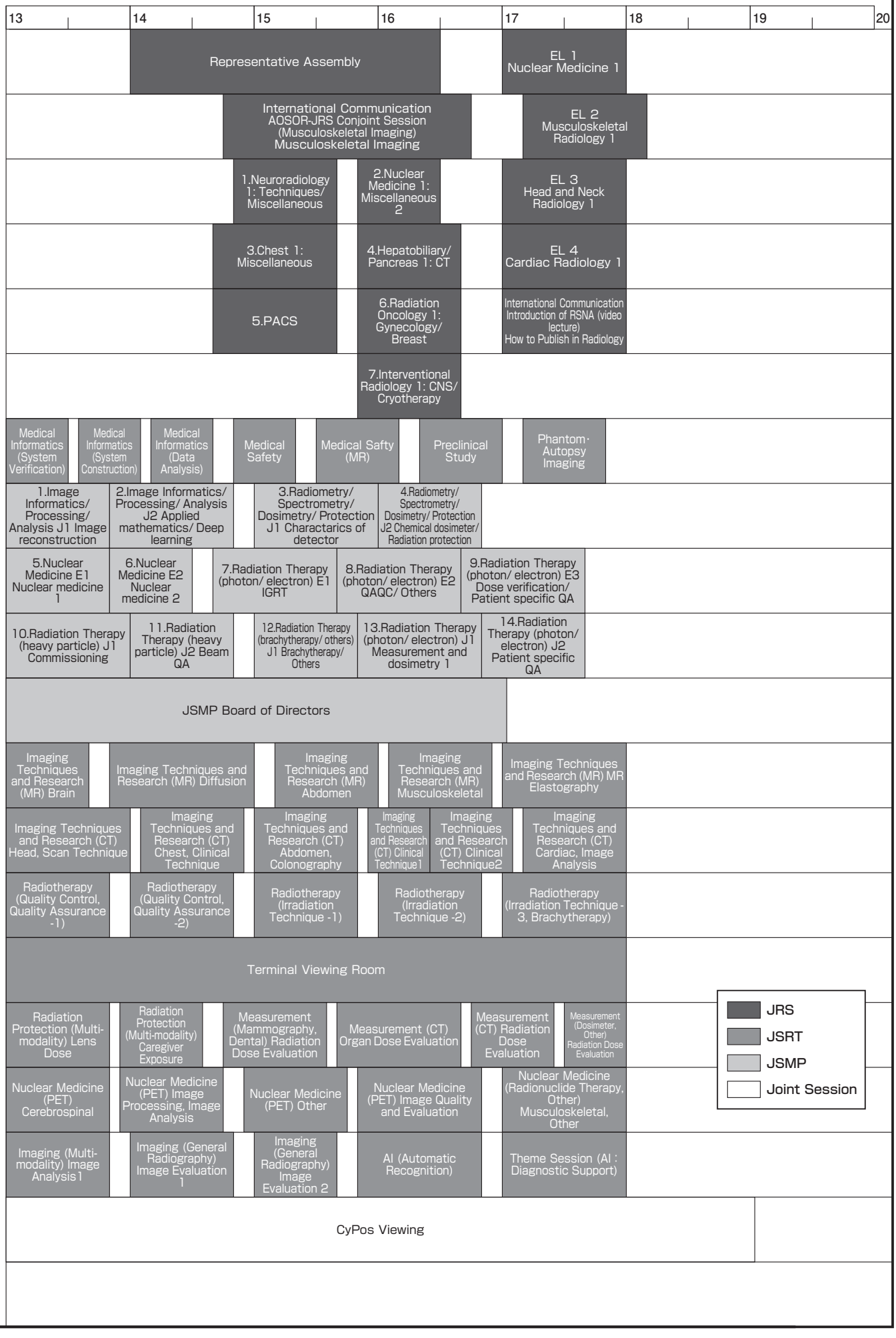




Time Table

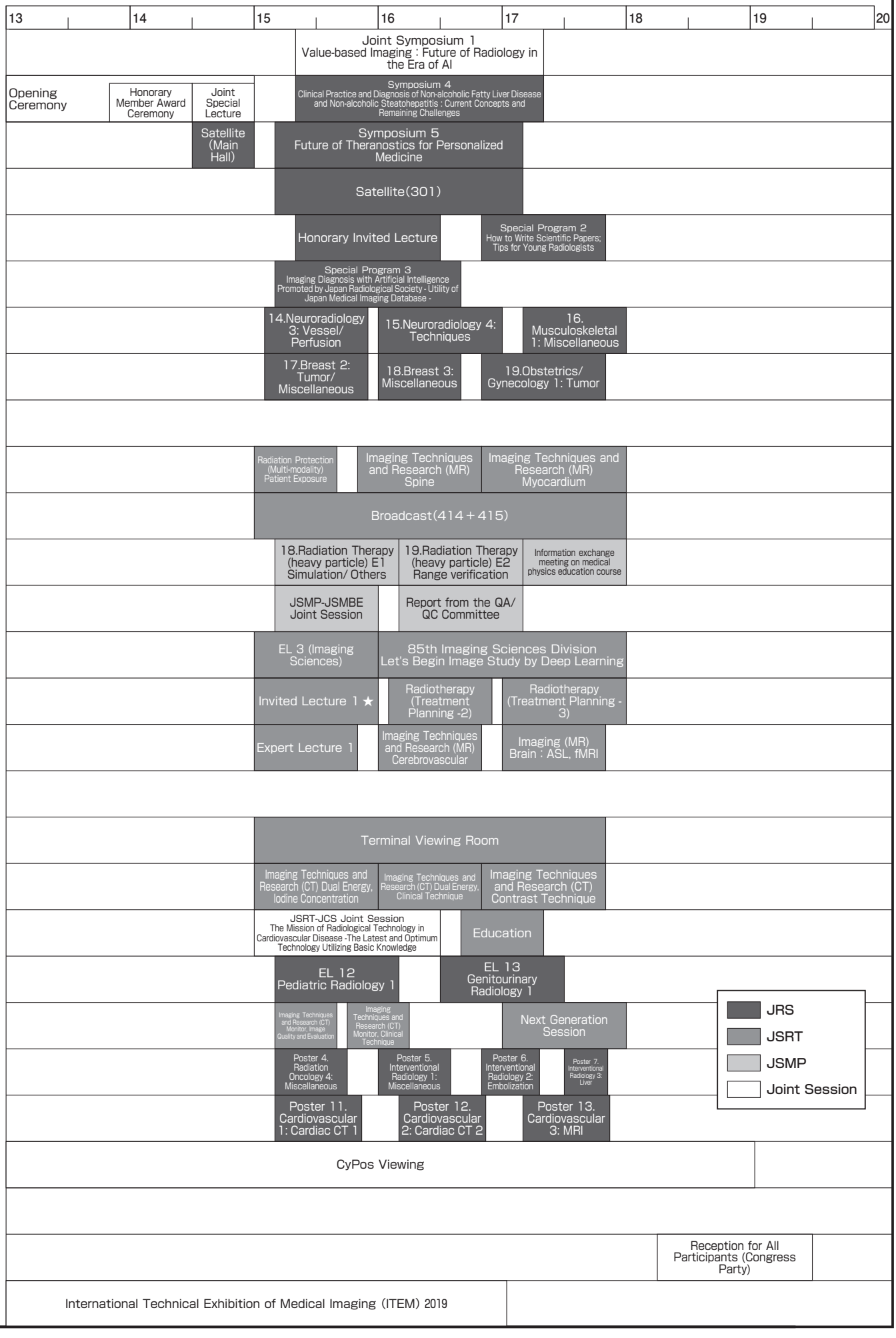
April 11 (Thursday)

Venue		8	9	10	11	12	13
301	3F						
302							
303							
304							
311 + 312							
313 + 314							
414 + 415	4F						
416 + 417							
418							
419							
421						JSMP Board of Directors	
501	5F						
502							
503							
Harbor Lounge B	Annex Hall						
F201							
F202							
F203 + 204							
Marine Lobby	National Convention Hall				CyPos Viewing		
Exhibition Hall							


13
14
15
16
17
18
19
20
Representative Assembly
EL 1
Nuclear Medicine 1
International Communication
AOSOR-JRS Conjoint Session
(Musculoskeletal Imaging)
Musculoskeletal Imaging
EL 2
Musculoskeletal
Radiology 1
1.Neuroradiology 1: Techniques/ Miscellaneous
2.Nuclear Medicine 1: Miscellaneous 2
EL 3
Head and Neck
Radiology 1
3.Chest 1: Miscellaneous
4.Hepatobiliary/ Pancreas 1: CT
EL 4
Cardiac Radiology 1
5.PACS
6.Radiation Oncology 1: Gynecology/ Breast
International Communication
Introduction of RSNA (video lecture)
How to Publish in Radiology
7.Interventional Radiology 1: CNS/ Cryotherapy
Medical Informatics (System Verification)
Medical Informatics (System Construction)
Medical Informatics (Data Analysis)
Medical Safety
Medical Safty (MR)
Preclinical Study
Phantom・Autopsy Imaging
1.Image Informatics/ Processing/ Analysis J1 Image reconstruction
2.Image Informatics/ Processing/ Analysis J2 Applied mathematics/ Deep learning
3.Radiometry/ Spectrometry/ Dosimetry/ Protection J1 Charactarics of detector
4.Radiometry/ Spectrometry/ Dosimetry/ Protection J2 Chemical dosimeter/ Radiation protection
5.Nuclear Medicine E1 Nuclear medicine 1
6.Nuclear Medicine E2 Nuclear medicine 2
7.Radiation Therapy (photon/ electron) E1 IGRT
8.Radiation Therapy (photon/ electron) E2 QAQC/ Others
9.Radiation Therapy (photon/ electron) E3 Dose verification/ Patient specific QA
10.Radiation Therapy (heavy particle) J1 Commissioning
11.Radiation Therapy (heavy particle) J2 Beam QA
12.Radiation Therapy (brachytherapy/ others) J1 Brachytherapy/ Others
13.Radiation Therapy (photon/ electron) J1 Measurement and dosimetry 1
14.Radiation Therapy (photon/ electron) J2 Patient specific QA
JSMP Board of Directors
Imaging Techniques and Research (MR) Brain
Imaging Techniques and Research (MR) Diffusion
Imaging Techniques and Research (MR) Abdomen
Imaging Techniques and Research (MR) Musculoskeletal
Imaging Techniques and Research (MR) MR Elastography
Imaging Techniques and Research (CT) Head, Scan Technique
Imaging Techniques and Research (CT) Chest, Clinical Technique
Imaging Techniques and Research (CT) Abdomen, Colonography
Imaging Techniques and Research (CT) Clinical Technique1
Imaging Techniques and Research (CT) Clinical Technique2
Imaging Techniques and Research (CT) Cardiac, Image Analysis
Radiotherapy (Quality Control, Quality Assurance -1)
Radiotherapy (Quality Control, Quality Assurance -2)
Radiotherapy (Irradiation Technique -1)
Radiotherapy (Irradiation Technique -2)
Radiotherapy (Irradiation Technique -3, Brachytherapy)
Terminal Viewing Room
Radiation Protection (Multi-modality) Lens Dose
Radiation Protection (Multi-modality) Caregiver Exposure
Measurement (Mammography, Dental) Radiation Dose Evaluation
Measurement (CT) Organ Dose Evaluation
Measurement (CT) Radiation Dose Evaluation
Measurement (Dosimeter, Other) Radiation Dose Evaluation
Nuclear Medicine (PET) Cerebrospinal
Nuclear Medicine (PET) Image Processing, Image Analysis
Nuclear Medicine (PET) Other
Nuclear Medicine (PET) Image Quality and Evaluation
Nuclear Medicine (Radionuclide Therapy, Other) Musculoskeletal, Other
Imaging (Multi-modality) Image Analysis1
Imaging (General Radiography) Image Evaluation 1
Imaging (General Radiography) Image Evaluation 2
AI (Automatic Recognition)
Theme Session (AI : Diagnostic Support)
CyPos Viewing
JRS
JSRT
JSMP
Joint Session

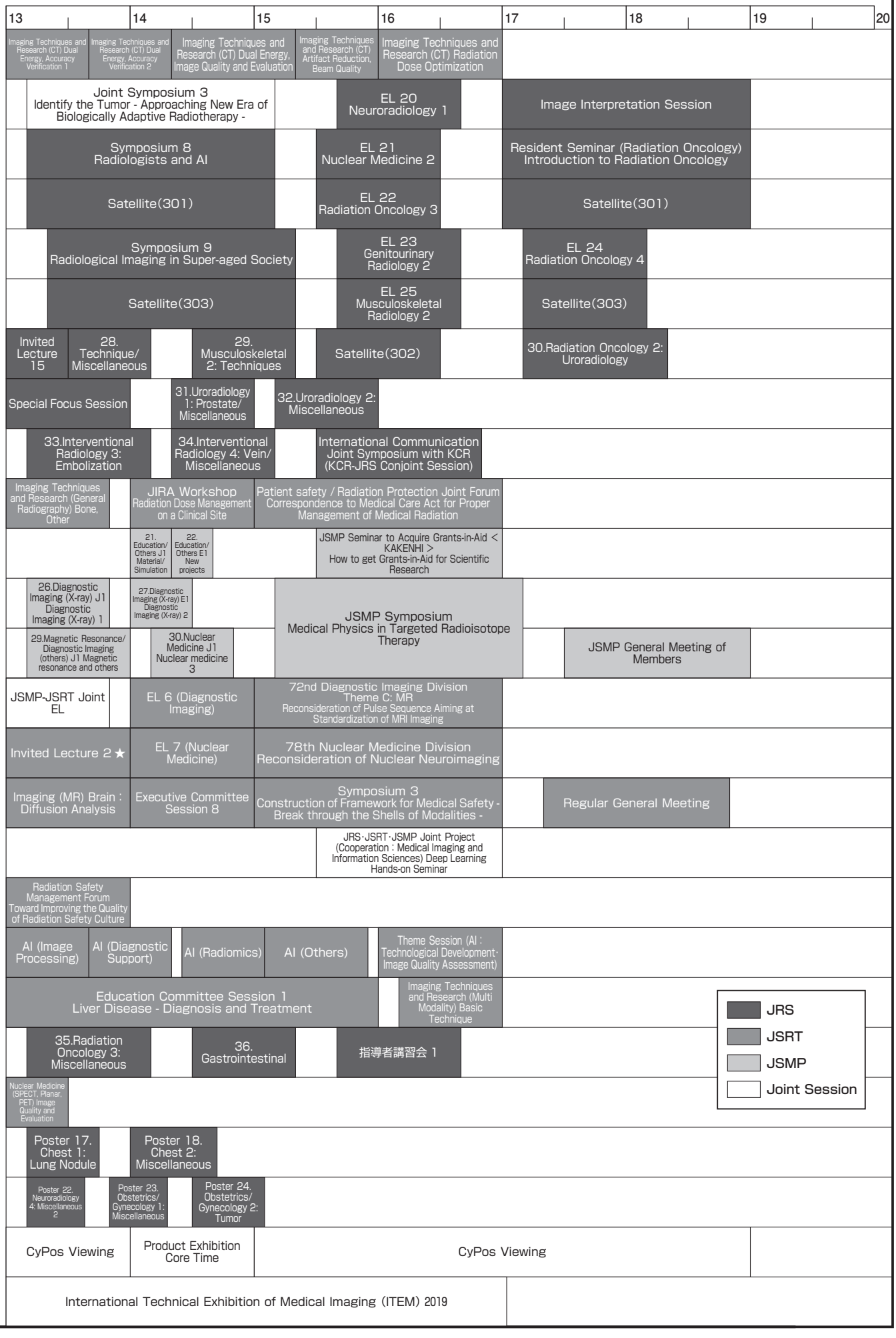
April 12 (Friday)

Venue		8	9	10	11	12	13
National Convention Hall		EL 5 [MOC Requirements] Radiation Safety Protection 1		Joint Educational Session Diagnostic and Therapeutic Indications of Brain Tumor			
Main Hall	1F	EL 6 [MOC Requirements] Quality of Medical Care: Radiotherapy		Symposium 1 Clinical Practice and Safety in Radiology		Luncheon Seminar 1 Guidelines on the Use of Iodinated Contrast Media in Patients with Kidney Disease 2018	
301	3F	EL 7 Gastrointestinal Radiology 1		Symposium 2 Present and Future of Radiogenomics		Luncheon Seminar 2 CT/ MR Perfusion Imaging for Acute Ischemic Stroke and Brain Tumors	
302		EL 8 Radiation Oncology 1		Satellite(301)		Luncheon Seminar 3 Reconsideration of Contrast-enhanced CT Theory of Abdomen in Era of Low-voltage and Ultra High-resolution CT: Should Reduction of Contrast Material Volume Be Always Accepted?	
303		EL 9 Chest Radiology 1		Symposium 3 Recent Development in Transcatheter Embolization		Luncheon Seminar 4 Solution by approach of First Time Right in CT/ MR	
304		EL 10 IVR 1		Satellite(303)		Luncheon Seminar 5 Key Points of Diagnostic Imaging in Cardiac Region	
311＋312		Satellite(301)	Invited Lecture 1	8.Hepatobiliary/ Pancreas 2: Liver	Invited Lecture 2 / 9.Nuclear Medicine 2: Miscellaneous 1	Luncheon Seminar 6 Dynamic X-ray Radiography can change dialogistic imaging	
313＋314		Satellite(302)	Invited Lecture 3	10.Chest 2: Lung nodule/ Miscellaneous	Invited Lecture 4 / 11. Neuroradiology 2: Analysis	Luncheon Seminar 7 Immunotherapy we should know about	
315		Satellite(303)	International Communication Introduction of ESR	Special Program 1 Standardization of Quantitative Imaging: Approach to Quantitative Imaging Biomarker Alliance (QIBA)		Luncheon Seminar 8 Medical Image Diagnosis Support Using AI: Deep Learning - Clinical Applications and Evaluations for Practical Use	
414＋415	4F	Expert Subcommittee Lecture (Radiation Protection)	EL 2 (Radiation Protection)	48th Radiation Protection Division Medical Exposure Managements in Using Radiation Dose Management System		Executive Committee Session 3	
416＋417		Broadcast(414＋415)				Luncheon Seminar 9 Prospect of neuroimaging diagnosis of Alzheimer's disease; toward earlier treatment and prevention	
418		Morning EL 1	15.Radiation Therapy (brachytherapy) E1 Brachytherapy/ Others	16.Image Informatics/ Processing/ Analysis E1 Deep learning	17.Image Informatics/ Processing/ Analysis E2 Radiomics	Lunch Time Lecture 1	
419			20.Radiometry/ Spectrometry/ Dosimetry/ Protection E1 Measurement and dosimetry	Satellite	Satellite		
501	5F		Imaging Techniques and Research (MR) Liver	Imaging Techniques and Research (MR) MR Spectroscopy, Other	Imaging Techniques and Research (MR) Breast, Other	Executive Committee Session 2	
502		Expert Subcommittee Lecture (Imaging Sciences)	Invited Lecture 3	Executive Committee Symposium The Milestones in Research on Radiological Technology -Discovering Your Horizons, Expanding Your World-	Segi Award Winner's Lecture	Executive Committee Session 1	
503		Expert Subcommittee Lecture (Diagnostic Imaging)	EL 1 (Diagnostic Imaging)	72nd Diagnostic Imaging Division Theme B: CT Clinical application of Dual Energy CT -Toward standardization of Dual Energy CT-		Executive Committee Session 4	
Harbor Lounge A	Annex Hall	JRS･JSRT･JSMP Joint Project (Cooperation : Medical Imaging and Information Sciences) Deep Learning Hands-on Seminar					
Harbor Lounge B		Terminal Viewing Room		Overseas Visitors Conference International Exchange Program			
F201＋202		Expert Subcommittee Lecture (Measurement)	Radiotherapy (Treatment Planning -1)	Radiotherapy (Particle Therapy)	Radiotherapy (New Technique)	Education Committee Session 3	
F203＋204		Expert Subcommittee Lecture (Nuclear Medicine)	Nuclear Medicine (SPECT, Planar) Head and Neck, Pediatric	Nuclear Medicine (SPECT, Planar) Cardiovascular (1)	Nuclear Medicine (SPECT, Planar) Dopamine	Luncheon Seminar 10 AI×Impact of next generation MRI	
F205＋206		EL 11 Cardiac Radiology 2	Invited Lecture 5	12. Cardiovascular 1: Vascular	Invited Lecture 6 / 13.Cardiovascular 2: Coronary Artery	Luncheon Seminar 11 Towards Creating Clinical Value of Abdominal MR Imaging	
N101	National Convention Hall		Imaging (MR) Diffusion	Imaging Techniques and Research (MR) Heart			
Poster Presentation Booth 1			Poster 1.Radiation Oncology 1: CNS/ Head and Neck	Poster 2. Radiation Oncology 2: Chest	Poster 3.Radiation Oncology 3: Pelvis		
Poster Presentation Booth 2			Poster 8. Breast	Poster 9. Musculoskeletal	Poster 10. Gastrointestinal		
Marine Lobby		7:15～ CyPos Viewing					
2nd Basement Floor Ambassador's Ballroom				International Communication The 4th Asia Radiology Summit			
Yokohama Bay Hotel Tokyu B2F Queen's Grand Ballroom							
Exhibition Hall			ITEM 2019 Opening Ceremony	International Technical Exhibition of Medical Imaging (ITEM) 2019			


13
14
15
16
17
18
19
20
Joint Symposium 1
Value-based Imaging : Future of Radiology in the Era of AI
Opening Ceremony
Honorary Member Award Ceremony
Joint Special Lecture
Symposium 4
Clinical Practice and Diagnosis of Non-alcoholic Fatty Liver Disease and Non-alcoholic Steatohepatitis : Current Concepts and Remaining Challenges
Satellite (Main Hall)
Symposium 5
Future of Theranostics for Personalized Medicine
Satellite(301)
Honorary Invited Lecture
Special Program 2
How to Write Scientific Papers: Tips for Young Radiologists
Special Program 3
Imaging Diagnosis with Artificial Intelligence Promoted by Japan Radiological Society - Utility of Japan Medical Imaging Database -
14.Neuroradiology 3: Vessel/ Perfusion
15.Neuroradiology 4: Techniques
16. Musculoskeletal 1: Miscellaneous
17.Breast 2: Tumor/ Miscellaneous
18.Breast 3: Miscellaneous
19.Obstetrics/ Gynecology 1: Tumor
Radiation Protection (Multi-modality) Patient Exposure
Imaging Techniques and Research (MR) Spine
Imaging Techniques and Research (MR) Myocardium
Broadcast(414＋415)
18.Radiation Therapy (heavy particle) E1 Simulation/ Others
19.Radiation Therapy (heavy particle) E2 Range verification
Information exchange meeting on medical physics education course
JSMP-JSMBE Joint Session
Report from the QA/ QC Committee
EL 3 (Imaging Sciences)
85th Imaging Sciences Division
Let's Begin Image Study by Deep Learning
Invited Lecture 1 ★
Radiotherapy (Treatment Planning -2)
Radiotherapy (Treatment Planning - 3)
Expert Lecture 1
Imaging Techniques and Research (MR) Cerebrovascular
Imaging (MR) Brain : ASL, fMRI
Terminal Viewing Room
Imaging Techniques and Research (CT) Dual Energy, Iodine Concentration
Imaging Techniques and Research (CT) Dual Energy, Clinical Technique
Imaging Techniques and Research (CT) Contrast Technique
JSRT-JCS Joint Session
The Mission of Radiological Technology in Cardiovascular Disease -The Latest and Optimum Technology Utilizing Basic Knowledge
Education
EL 12
Pediatric Radiology 1
EL 13
Genitourinary Radiology 1
Imaging Techniques and Research (CT) Monitor, Image Quality and Evaluation
Imaging Techniques and Research (CT) Monitor, Clinical Technique
Next Generation Session
Poster 4. Radiation Oncology 4: Miscellaneous
Poster 5. Interventional Radiology 1: Miscellaneous
Poster 6. Interventional Radiology 2: Embolization
Poster 7. Interventional Radiology 3: Liver
Poster 11. Cardiovascular 1: Cardiac CT 1
Poster 12. Cardiovascular 2: Cardiac CT 2
Poster 13. Cardiovascular 3: MRI
JRS
JSRT
JSMP
Joint Session
CyPos Viewing
Reception for All Participants (Congress Party)
International Technical Exhibition of Medical Imaging (ITEM) 2019

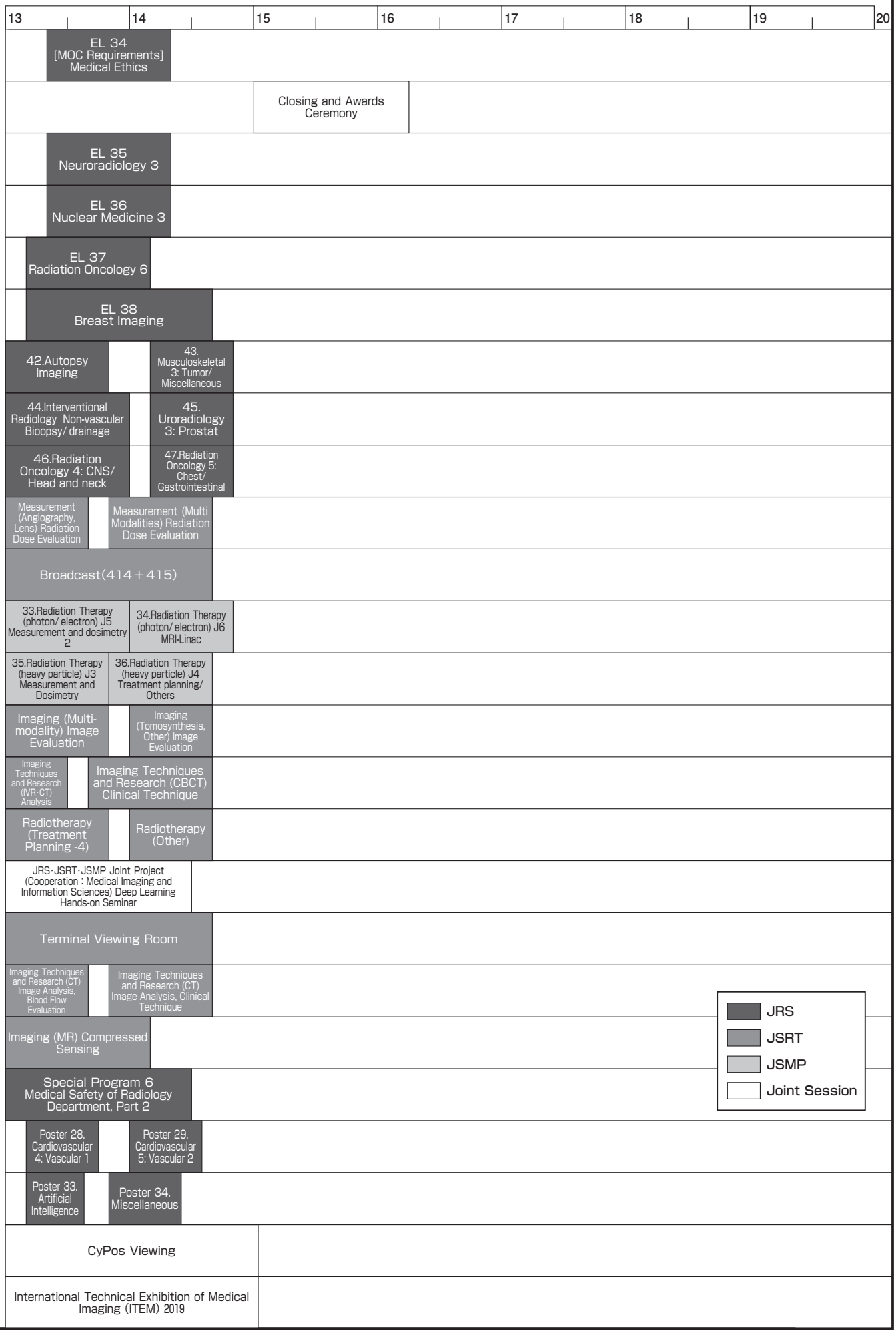
April 13 (Saturday)

Venue		8	9	10	11	12	13
National Convention Hall		EL 14 [MOC Requirements] Radiation Safety Protection 2	Joint Symposium 2 Innovative Radiology with Artificial Intelligence (AI)				
Main Hall	1F	EL 15 [MOC Requirements] Quality of Medical Care: Diagnostic Imaging	Resident Seminar (Diagnostic) Introduction to Emergency Radiology			Luncheon Seminar 12 The leading edge of CT ~ Next generation CT and radiological examination with AI technology ~	
301	3F	EL 16 Gastrointestinal Radiology 2	Symposium 6 Guidelines on the Use of Iodinated Contrast Media in Patients with Kidney Disease 2018			Luncheon Seminar 13 CT Technology Revolution, -Wide coverage, Dual Energy and Next Generation Technology-	
302	3F	EL 17 Radiation Oncology 2	Satellite(301)			Luncheon Seminar 14 Assessment of the PACS viewer: the key to comfortable interpretation	
303	3F	EL 18 Chest Radiology 2	Symposium 7 The Past, Present, and Future of Radiotherapy			Luncheon Seminar 15 Cutting Edge Emergency Radiology	
304	3F	EL 19 IVR 2	Satellite(303)			Luncheon Seminar 16 Essential points in MRI diagnosis for the future	
311＋312	3F	Satellite(301)	Invited Lecture 7	20.Interventional Radiology 2: Miscellaneous	Invited Lecture 8 / 21.Breast 1: MRI	Luncheon Seminar 17★ The innovation in IVR by Philips Azurion and its clinical value	
313＋314	3F	Satellite(302)	Invited Lecture 9	22.Head and Neck	Invited Lecture 10 / 23.Artificial Intelligence	Luncheon Seminar 18 Effectiveness of MRI-guided Radiation Therapy System	
315	3F	Satellite(303)	Invited Lecture 11	24.Chest 3: Lung Nodule	Invited Lecture 12 / 25.Pediatric 1: Miscellaneous	Luncheon Seminar 19 Latest CT technology & Forefront of Artificial Intelligence ~Expanding Precision Medicine~	
414＋415	4F		Imaging (Other) Image Evaluation	Imaging Techniques and Research (Bone Mineral Density, Ultrasound) / Imaging Techniques and Research (General Radiography) Breast, Other / Imaging Techniques and Research (General Radiography) Chest, Image Evaluation		Executive Committee Session 7	
416＋417	4F		Broadcast(414＋415)			Luncheon Seminar 20 Future Perspective for Diagnosis with 3D Bone SPECT -Imaging Technique and Clinical-	
418	4F	Morning EL 2	23.Radiation Therapy (photon/ electron) E4 Algorithm/ Others	24.Radiation Therapy (photon/ electron) E5 Treatment planning 1	25.Radiation Therapy (photon/ electron) E6 Machine learning	Lunch Time Lecture 2	
419	4F		28.Magnetic Resonance/ Diagnostic Imaging (others) E1 Diagnostic imaging (Others)	Satellite	Satellite		
501	5F	Expert Subcommittee Lecture (Diagnostic Imaging)	Symposium 2 Preparedness for Radiological Imaging – For Proper Diagnosis and Treatment of Malignant Tumors –		JSRT-JSMP Joint Lecture	Executive Committee Session 5	
502	5F	Expert Subcommittee Lecture (Measurement)	EL 4 (Measurement)	53rd Measurement Division Leak Dose Measurement Using Survey Meter		English Presentation Support Seminar 1	
503	5F	Expert Subcommittee Lecture (Medical Informatics)	EL 5 (Medical Informatics)	33rd Medical Informatics Division Required Data Sets in Radiology Department		Executive Committee Session 6	
Harbor Lounge A	Annex Hall						
Harbor Lounge B	Annex Hall	Terminal Viewing Room		Standardization Forum 20th Standardization Forum Quality Assurance and Standardization for Radiological Equipment of Medicine – Understanding of Existing JIS and Commentary on the Draft Deliberated in 2018.			
F201＋202	Annex Hall		Imaging Techniques and Research (CT) Image Quality and Evaluation	Imaging Techniques and Research (CT) Iterative Reconstruction, Image Quality and Evaluation / Imaging Techniques and Research (CT) Ultra High Resolution CT	Imaging Techniques and Research (CT) Deep Learning, Image Quality and Evaluation	Expert Subcommittee Lecture (Radiotherapy)	
F203＋204	Annex Hall	Expert Subcommittee Lecture (Nuclear Medicine)	Imaging Techniques and Research (MR) Blood Vessel	Imaging Techniques and Research (MR) Prostate	Imaging Techniques and Research (MR) Safety	Education Committee Session 2 Are You in Trouble Searching for Papers?!	
F205＋206	Annex Hall	Special Program 4 "Joint Symposium of JRS and JCR "Work-style Reform of Radiologists"	Invited Lecture 13	26.Nuclear Medicine 3: Cardiovascular	Invited Lecture 14 / 27.Cardiovascular 3: Miscellaneous	Luncheon Seminar 21 Optimizing image quality via injection protocol method	
N101	National Convention Hall		Imaging (MR) Basic	Imaging Techniques and Research (MR) Head and Neck / Imaging Techniques and Research (MR) Head and Neck Vessels, Cerebral Blood Flow	Imaging Techniques and Research (MR) Abdomen		
Poster Presentation Booth 1	National Convention Hall		Poster 14. Neuroradiology 1: Cerebrovascular/ Miscellaneous	Poster 15. Neuroradiology 2: Degenerative Disorder/ Miscellaneous	Poster 16. Neuroradiology 3: Miscellaneous 1		
Poster Presentation Booth 2	National Convention Hall		Poster 19. Hepatobiliary/ Pancreas 1: Hepatic Mass	Poster 20. Hepatobiliary/ Pancreas 2: Liver/ Miscellaneous	Poster 21. Hepatobiliary/ Pancreas 3: Miscellaneous		
Marine Lobby	National Convention Hall	7:15～ CyPos Viewing			Product Exhibition Core Time	CyPos Viewing	
Exhibition Hall			International Technical Exhibition of Medical Imaging (ITEM) 2019				


13
14
15
16
17
18
19
20
Imaging Techniques and Research (CT) Dual Energy, Accuracy Verification 1
Imaging Techniques and Research (CT) Dual Energy, Accuracy Verification 2
Imaging Techniques and Research (CT) Dual Energy, Image Quality and Evaluation
Imaging Techniques and Research (CT) Artifact Reduction, Beam Quality
Imaging Techniques and Research (CT) Radiation Dose Optimization
Joint Symposium 3
Identify the Tumor - Approaching New Era of Biologically Adaptive Radiotherapy -
EL 20
Neuroradiology 1
Image Interpretation Session
Symposium 8
Radiologists and AI
EL 21
Nuclear Medicine 2
Resident Seminar (Radiation Oncology)
Introduction to Radiation Oncology
Satellite(301)
EL 22
Radiation Oncology 3
Satellite(301)
Symposium 9
Radiological Imaging in Super-aged Society
EL 23
Genitourinary Radiology 2
EL 24
Radiation Oncology 4
Satellite(303)
EL 25
Musculoskeletal Radiology 2
Satellite(303)
Invited Lecture 15
28. Technique/ Miscellaneous
29. Musculoskeletal 2: Techniques
Satellite(302)
30.Radiation Oncology 2: Uroradiology
Special Focus Session
31.Uroradiology 1: Prostate/ Miscellaneous
32.Uroradiology 2: Miscellaneous
33.Interventional Radiology 3: Embolization
34.Interventional Radiology 4: Vein/ Miscellaneous
International Communication Joint Symposium with KCR (KCR-JRS Conjoint Session)
Imaging Techniques and Research (General Radiography) Bone, Other
JIRA Workshop
Radiation Dose Management on a Clinical Site
Patient safety / Radiation Protection Joint Forum
Correspondence to Medical Care Act for Proper Management of Medical Radiation
21. Education/ Others J1 Material/ Simulation
22. Education/ Others E1 New projects
JSMP Seminar to Acquire Grants-in-Aid < KAKENHI >
How to get Grants-in-Aid for Scientific Research
26.Diagnostic Imaging (X-ray) J1 Diagnostic Imaging (X-ray) 1
27.Diagnostic Imaging (X-ray) E1 Diagnostic Imaging (X-ray) 2
JSMP Symposium
Medical Physics in Targeted Radioisotope Therapy
29.Magnetic Resonance/ Diagnostic Imaging (others) J1 Magnetic resonance and others
30.Nuclear Medicine J1 Nuclear medicine 3
JSMP General Meeting of Members
JSMP-JSRT Joint EL
EL 6 (Diagnostic Imaging)
72nd Diagnostic Imaging Division
Theme C: MR
Reconsideration of Pulse Sequence Aiming at Standardization of MRI Imaging
Invited Lecture 2★
EL 7 (Nuclear Medicine)
78th Nuclear Medicine Division
Reconsideration of Nuclear Neuroimaging
Imaging (MR) Brain : Diffusion Analysis
Executive Committee Session 8
Symposium 3
Construction of Framework for Medical Safety - Break through the Shells of Modalities -
Regular General Meeting
JRS･JSRT･JSMP Joint Project
(Cooperation : Medical Imaging and Information Sciences) Deep Learning Hands-on Seminar
Radiation Safety Management Forum
Toward Improving the Quality of Radiation Safety Culture
AI (Image Processing)
AI (Diagnostic Support)
AI (Radiomics)
AI (Others)
Theme Session (AI : Technological Development･Image Quality Assessment)
Education Committee Session 1
Liver Disease - Diagnosis and Treatment
Imaging Techniques and Research (Multi Modality) Basic Technique
35.Radiation Oncology 3: Miscellaneous
36. Gastrointestinal
指導者講習会 1
Nuclear Medicine (SPECT, Planar, PET) Image Quality and Evaluation
Poster 17. Chest 1: Lung Nodule
Poster 18. Chest 2: Miscellaneous
Poster 22. Neuroradiology 4: Miscellaneous 2
Poster 23. Obstetrics/ Gynecology 1: Miscellaneous
Poster 24. Obstetrics/ Gynecology 2: Tumor
CyPos Viewing
Product Exhibition Core Time
CyPos Viewing
International Technical Exhibition of Medical Imaging (ITEM) 2019
JRS
JSRT
JSMP
Joint Session

April 14 (Sunday)

Venue		8	9	10	11	12	13
National Convention Hall		Expert Subcommittee Lecture (Radiotherapy)	EL 9 (Radiotherapy)	78th Radiotherapy Division Utilization of General Purpose Linear Accelerator for Stereotactic Body Radiotherapy			
Main Hall	1F	EL 26 [MOC Requirements] Infection Control	Symposium 10 New Applications of Radiotherapy			Luncheon Seminar 22 Contrast agent safe use: Latest guidelines and recent progress	
301	3F	EL 27 Gastrointestinal Radiology 3	Symposium 11 Complementary Diagnosis in Treatment Strategy of Ischemic Heart Disease			Luncheon Seminar 23 Current trends in medical radiation exposure and dose management	
302	3F	EL 28 Radiation Oncology 5	Satellite(301)			Luncheon Seminar 24 New era of MR innovation: close to patients	
303	3F	EL 29 Chest Radiology 3	Symposium 12 Radiological Protection in Interventional Procedure			Luncheon Seminar 25 The imaging leading to best treatment -Evaluation of metastasis changes treatment strategy for prostate cancer-	
304	3F	EL 30 IVR 3	Satellite(303)			Luncheon Seminar 26 Breast MRI - from basics to advanced -	
311＋312	3F	Satellite(303)	37.Chest 4: CT・CR	38.Obstetrics/ Gynecology 2: Tumor/ Miscellaneous		Luncheon Seminar 27 Key Points of Diagnostic Imaging in Abdominal Region	
313＋314	3F	Satellite(302)	39.Hepatobiliary/ Pancreas 3: Liver/ Miscellaneous	40.Hepatobiliary/ Pancreas 4: Hepatic tumor		Luncheon Seminar 28 Clinical use of tissue characterization diagnosis by ECV analysis using Ziostation 2	
315	3F	EL 31 Head and Neck Radiology 2	Special Program 5 How Should Radiologists Learn Artificial Intelligence in Medicine?		41.Pediatric 2: CT・MRI・PET	Luncheon Seminar 29 HyperArc : UAB's Experience Year One and Beyond	
414＋415	4F		Radiation Protection (Angiography, Interventional Radiology) Dose Evaluation	Radiation Protection (CT) Dose Evaluation	Radiation Protection (Multi-modality) Dose Management and Survey	Executive Committee Session 11	
416＋417	4F		Broadcast(414＋415)			Luncheon Seminar 30 User's experience of medical X-ray dose system "AMDS (Amidas)"	
418	4F	Morning EL 3	31.Radiation Therapy (photon/ electron) J3 Treatment planning 2	32.Radiation Therapy (photon/ electron) J4 IGRT/ Others	JSMP Special Lecture	Lunch Time Lecture 3	
419	4F	Morning EL 3	Satellite	Satellite	JSMP Special Lecture	Lunch Time Lecture 3	
501	5F	Expert Subcommittee Lecture (Imaging Sciences)	Imaging (Multi-modality) Image Analysis 2	JSRT-JSMP Joint Session In Order to Publish Your Article in RPT: Authors x Reviewers = Good Science		Award Ceremony for Doi-Prize and Most Citation Award, and Award Lectures	
502	5F	Expert Subcommittee Lecture (Diagnostic Imaging)	EL 8 (Diagnostic Imaging)	72nd Diagnostic Imaging Division Theme A: General Radiography Advanced IVR-CT (Angio-CT) as new solution		Executive Committee Session 10	
503	5F	Expert Subcommittee Lecture (Radiation Protection)	Symposium 1 Artificial Intelligence and Radiological Imaging Technology		Expert Lecture 2	Executive Committee Session 9	
Harbor Lounge A	Annex Hall		JRS・JSRT・JSMP Joint Project (Cooperation : Medical Imaging and Information Sciences) Deep Learning Hands-on Seminar		JRS・JSRT・JSMP Joint Project (Cooperation : Medical Imaging and Information Sciences) Deep Learning Hands-on Seminar		
Harbor Lounge B	Annex Hall		Terminal Viewing Room				
F201＋202	Annex Hall	Expert Subcommittee Lecture (Medical Informatics)	Imaging Techniques and Research (MR) Heart	Nuclear Medicine (SPECT, Planar) Cardiovascular(2)	Nuclear Medicine (SPECT, Planar) Musculoskeletal	English Presentation Support Seminar 2	
F203＋204	Annex Hall	Imaging (MR) Brain : Analysis		Imaging (MR) Head and Neck Vessels	Imaging Techniques and Research (MR) Whole Body DWI		
F205＋206	Annex Hall	EL 32 Neuroradiology 2	指導者講習会 2		EL 33 Pediatric Radiology 2	Luncheon Seminar 31 Evolutionary technology of general radiography	
Poster Presentation Booth 1	National Convention Hall		Poster 25.Nuclear Medicine 1: CNS/ Head and neck	Poster 26. Nuclear Medicine 2: Heart	Poster 27. Nuclear Medicine 3: Miscellaneous		
Poster Presentation Booth 2	National Convention Hall		Poster 30. Emergency	Poster 31. Uroradiology	Poster 32. Head and Neck		
Marine Lobby	National Convention Hall	7:15～ CyPos Viewing					
Exhibition Hall			International Technical Exhibition of Medical Imaging (ITEM) 2019				


13
14
15
16
17
18
19
20
EL 34
[MOC Requirements]
Medical Ethics
Closing and Awards Ceremony
EL 35
Neuroradiology 3
EL 36
Nuclear Medicine 3
EL 37
Radiation Oncology 6
EL 38
Breast Imaging
42.Autopsy Imaging
43. Musculoskeletal 3: Tumor/ Miscellaneous
44.Interventional Radiology Non-vascular Bioopsy/ drainage
45. Uroradiology 3: Prostat
46.Radiation Oncology 4: CNS/ Head and neck
47.Radiation Oncology 5: Chest/ Gastrointestinal
Measurement (Angiography, Lens) Radiation Dose Evaluation
Measurement (Multi Modalities) Radiation Dose Evaluation
Broadcast(414＋415)
33.Radiation Therapy (photon/ electron) J5 Measurement and dosimetry 2
34.Radiation Therapy (photon/ electron) J6 MRI-Linac
35.Radiation Therapy (heavy particle) J3 Measurement and Dosimetry
36.Radiation Therapy (heavy particle) J4 Treatment planning/ Others
Imaging (Multi-modality) Image Evaluation
Imaging (Tomosynthesis, Other) Image Evaluation
Imaging Techniques and Research (IVR･CT) Analysis
Imaging Techniques and Research (CBCT) Clinical Technique
Radiotherapy (Treatment Planning -4)
Radiotherapy (Other)
JRS･JSRT･JSMP Joint Project (Cooperation : Medical Imaging and Information Sciences) Deep Learning Hands-on Seminar
Terminal Viewing Room
Imaging Techniques and Research (CT) Image Analysis, Blood Flow Evaluation
Imaging Techniques and Research (CT) Image Analysis, Clinical Technique
Imaging (MR) Compressed Sensing
Special Program 6
Medical Safety of Radiology Department, Part 2
Poster 28. Cardiovascular 4: Vascular 1
Poster 29. Cardiovascular 5: Vascular 2
Poster 33. Artificial Intelligence
Poster 34. Miscellaneous
CyPos Viewing
International Technical Exhibition of Medical Imaging (ITEM) 2019
JRS
JSRT
JSMP
Joint Session

Joint Sessions for Japan Radiology Congress

Opening Ceremony

・Opening Ceremony: April 12 (Fri.) 13:00-15:00 (Main Hall)

Performance: Tokyo Olympic Fanfare（TOF）

Keynote lecture

President:	Yasuyuki Yamashita (Kumamoto University)
	The 78th Annual Meeting of the Japan Radiological Society (JRS)
Conference President:	Takayuki Ishida (Osaka University)
	The 75th Annual Meeting of the Japanese Society of Radiological Technology (JSRT)
Congress Chair:	Shinichi Minohara (Kanagawa Cancer Center)
	The 117th Scientific Meeting of the Japan Society of Medical Physics (JSMP)
Chairman:	Akio Niinobe
	Japan Medical Imaging and Radiological Systems Industries Association (JIRA)

Honorary Member Award Ceremony

・Honorary Member Award Ceremony: April 12 (Fri.) 13:50-14:30 (Main Hall)

Joint Special Lecture

・Joint Special Lecture: April 12 (Fri.) 14:30-15:00 (Main Hall, Satellite:301)

Moderator: Yasuyuki Yamashita (Kumamoto Univ.)
Takayuki Ishida (Osaka Univ.)

Development of Artificial Intelligence and Potentials to Medical and Healthcare — Yutaka Matsuo (The Univ. of Tokyo)

Joint Symposium

・Joint Symposium 1: April 12 (Fri.) 15:20-17:20 (National Convention Hall)

「Value-based Imaging：Future of Radiology in the Era of AI」 Moderator: Kanako Kumamaru (Juntendo Univ.)
Akihiro Machitori (NCGM Kohnodai Hosp.)

1. What is Value-based Healthcare? — Kanako Kumamaru (Juntendo Univ.)
2. Value-based Imaging: Patient's Perspective — Kyoko Kitazawa (Kyoto Pharmaceutical Univ.)
3. The Role of Radiologists for the Proper Management of Medical Radiation Based on the Medical Care Act. — Anri Inaki (Kanazawa Univ.)
4. Strategic Implications for Radiologists towards Investment in Health — Yuji Yamamoto (MinaCare Co., Ltd.)
5. Value Based Imaging: Future of Radiology in the Era of AI — Kei Yamada (Kyoto Prefectural Univ. of Medicine)

・Joint Symposium 2: April 13 (Sat.) 9:10-11:50 (National Convention Hall)

「Innovative Radiology with Artificial Intelligence (AI)」 Moderator: Hiroshi Fujita (Gifu Univ.)
Norio Nakata (The Jikei Univ. School of Medicine)

1. Keynote Lecture Development of the Integrated Cancer Medical System Using Artificial Intelligence: Towards the Realization of Precision Medicine — Ryuji Hamamoto (National Cancer Center), Kazuma Kobayashi (National Cancer Center)
2. New Trend of CAD (AI-CAD) in the New AI Era — Hiroshi Fujita (Gifu Univ.)
3. Deep Learning in Computer-assisted Diagnosis: Current Status and Future Prospects of Overseas Research and Development — Norio Nakata (The Jikei Univ. School of Medicine)
4. AI Researches in the Radiological Technology: Future Working Style of Radiological Technologist and an Encourage of AI Research — Atsushi Teramoto (Fujita Health Univ.)
5. Application of Deep Learning in Radiotherapy — Toshiyuki Terunuma (Univ. of Tsukuba)
6. Issues for Commercialization of Image Diagnostic Products Using Artificial Intelligence. — Takeshi Funahashi (Japan Medical Imaging and Radiological Systems Industries Association)

・Joint Symposium 3: April 13 (Sat.) 13:10-15:10 (Main Hall)
「Identify the Tumor - Approaching New Era of Biologically Adaptive Radiotherapy -」
Moderator: Makoto Shinoto (Kyushu Univ. Hosp.)
Naruhiro Matsufuji (NIRS-QST)

1. MRI Connecting Functions and Anatomy -a New Bridge for Radiotherapy- Mami Iima (Kyoto Univ.)
2. Nuclear Medicine for Optimized Treatment Strategy and Real-time Therapy Imaging
Miwako Takahashi (NIRS-QST)
3. Imaging of Tumor-specific Hypoxia Dynamics and Its Significance in Radiation Biology
Hironobu Yasui (Hokkaido Univ.)
4. Differential Diagnosis and Prognostic Prediction Based on Radiomics Yoshikazu Uchiyama (Kumamoto Univ.)
5. Dose and Radiation Quality Optimized Heavy-ion Therapy Taku Inaniwa (NIRS-QST)

Joint Educational Session

・Diagnostic and Therapeutic Indications of Brain Tumor: April 12 (Fri.) 9:30-11:30 (National Convention Hall)
Moderator: Yukio Miki (Osaka City Univ.)
Kohei Hanaoka (Kindai Univ.)

1. Updated 4th Edition of the WHO Brain Tumor Classification: What Radiologists are Desired to Know
Hideaki Yokoo (Gunma Univ.)
2. Recent Development of MR Imaging for Brain Tumor Toshinori Hirai (Miyazaki Univ.)
3. Neurosurgical Treatment ? Surgical Resection, Chemotherapy, and Other Modalities
Akitake Mukasa (Kumamoto Univ.)
4. Radiation Therapy Hidefumi Aoyama (Niigata Univ.)
5. Brain Tumor Imaging Masaaki Kajisako (Kyoto Univ. Hosp.)
6. BNCT for Brain Tumor Treatment - From a View Point of Medical Physicist - Masayori Ishikawa (Hokkaido Univ.)

JRS · JSRT · JSMP Joint Project (Cooperation: Medical Imaging and Information Sciences) Deep Learning Hands-on Seminar

・Deep Learning Hands-on Seminar: April 12 (Fri.) 8:00-9:30 (Harbor Lounge A)
April 13 (Sat.) 15:30-17:00 (Harbor Lounge A)
April 14 (Sun.) 8:45-10:15, 10:30-12:00, 13:00-14:30 (Harbor Lounge A)
Moderator: Takeshi Hara (Gifu Univ.)
Yongbum Lee (Niigata Univ.)

1. Medical Image Application of Deep Learning Hiroshi Fujita (Gifu Univ.)
2. Image Classification Using Convolutional Neural Network with TensorFlow & Keras Takeshi Hara (Gifu Univ.)
3. BYOD! Quick Setup for Deep Learning Using TensorFlow & Keras Takeshi Hara (Gifu Univ.)
4. Deep Learning for Image Segmentation Yongbum Lee (Niigata Univ.)

Reception for All Participants (Congress Party)

・Reception for All Participants (Congress Party): April 12 (Fri.) 18:15-19:30
(Yokohama Bay Hotel Tokyu B2F Queen's Grand Ballroom)

Closing and Awards Ceremony

・Closing and Awards Ceremony: April 14 (Sun.) 15:00-16:15 (Main Hall)
Performance: JRC2019 Festival Orchestra

JRS Activities

Honorary Invited Lecture

・Honorary Invited Lecture: April 12 (Fri.) 15:20-16:30 (303)

Moderator: Yutaka Imai (Tokai Univ.)
Sadayuki Murayama (Univ. of the Ryukyus)

1. The Future of Radiology―Key Drivers for the Next Five Years
   James A. Brink (Massachusetts General Hospital, USA)
2. How Novel Imaging Techniques Will Change the Fate of Prostate Cancer Patients.
   Jelle Barentsz (Radboudumc, Netherlands)
3. Evolution of Esophageal Stents: 8 Generations of Trial and Error — Ho-Young Song (Asan Medical Center, Korea)

International Communication

・Introduction of RSNA (video lecture): April 11 (Thu.) 17:00-18:00 (311+312)
「How to Publish in Radiology」
David Bluemke (University of Wisconsin School of Medicine and Public Health, USA)

・Introduction of ESR: April 12 (Fri.) 9:10-9:40 (315)
「ESR - The European Society of Radiology」 Moderator: Kojiro Suzuki (Aichi Medical Univ.)
Michael Fuchsjäger (Medical University Graz, Austria)

・AOSOR-JRS Conjoint Session (Musculoskeletal Imaging): April 11 (Thu.) 14:45-16:45 (302)
「Musculoskeletal Imaging」 Moderator: Yoshiyuki Watanabe (Osaka Univ.)
Mamoru Niitsu (Saitama Medical Univ. Hosp.)

1. Introduction — Yoshiyuki Watanabe (Osaka Univ.)
2. Imaging of Traumatic Muscular Lesions — Yoshiko Hayashida (Univ. of Occupational and Environmental Health)
3. Osteoporotic Vertebral Fracture — James F Griffith (The Chinese University of Hong Kong, China)
4. Imaging of Vascular Malformations — Nuttaya Pattamapaspong (Chiang Mai University, Thailand)
5. Imaging of Rheumatoid Arthritis — Tamotsu Kamishima (Hokkaido Univ.)
6. MR Imaging of Articular Cartilage — Steven Wong Bak Siew (Sengkang General Hospital, Singapore)

・The 4th Asia Radiology Summit: April 12 (Fri.) 10:00-12:00 (2nd Basement Floor Ambassador's Ballroom)
「Current Projects of Radiological Societies in Asia」 Moderator: Noriyuki Tomiyama (Osaka Univ.)
Kei Yamada (Kyoto Prefectural Univ. of Medicine)

・Joint Symposium with KCR (KCR-JRS Conjoint Session): April 13 (Sat.) 15:30-16:50 (315)
「Brain Circulation, Conduction and Connection; This Is How We Visualize It and We Do It Damn Good!」
Moderator: Kei Yamada (Kyoto Prefectural Univ. of Medicine)
Masaaki Hori (Juntendo Univ.)

1. CT Perfusion in Patients with Ischemic Cerebrovascular Disease: Comparison of Bayesian with Singular Value Decomposition Method — Kazuhiro Murayama (Fujita Health Univ.)
2. PET and SPECT Imaging of the Brain — Tomohiro Kaneta (Yokohama City Univ.)
3. Electrical Conductivity of the Brain in Normal and Pathological States — Khin Khin Tha (Hokkaido Univ. Hosp.)
4. Neurovascular 4D Flow MRI -scan Techniques and Clinical Applications- — Tetsuro Sekine (Nippon Medical School)
5. Dynamic Susceptibility Contrast (DSC) and Arterial Spin Labeling PWI in Neuroimaging
   Roh-Eul Yoo (Seoul National University, Korea)
6. CEST Imaging: Principles and Clinical Applications
   Seung-Koo Lee (Yonsei University College of Medicine, Korea)
7. MR Fiber G-ratio and Connectome — Masaaki Hori (Juntendo Univ.)

Invited Lecture

・Invited Lecture 1: April 12 (Fri.) 9:10-9:40 (311+312)
Moderator: Toshifumi Gabata (Kanazawa Univ.)

Electrochemotherapy in Locally Advanced Pancreatic Cancer
Vincenza Granata (Istituto Nazionale Tumori IRCCS Fondazione Pascale - IRCCS di Napoli, Italy)

・Invited Lecture 2: April 12 (Fri.) 10:30-11:00 (311+312)

Moderator: Nagara Tamaki (Kyoto Prefectural Univ.)

Theranostic Immune Systems to Reveal Optimal Outcome

David Yang (University of Texas MD Anderson Cancer Center and Cell>Point, LLC, USA)

・Invited Lecture 3: April 12 (Fri.) 9:10-9:40 (313+314)

Moderator: Yoshiharu Ohno (Kobe Univ.)

Chronic Obstructive Pulmonary Disease - Moving from Structure to Function

Jens Vogel-Claussen (Hannover Medical School, Germany)

・Invited Lecture 4: April 12 (Fri.) 10:30-11:00 (313+314)

Moderator: Hajime Kitagaki (Shimane Univ.)

Increasing MR Value in Neuro-imaging Using Artificial Intelligence Vincent Dousset (University of Bordeaux, France)

・Invited Lecture 5: April 12 (Fri.) 9:10-9:40 (F205+206)

Moderator: Kimihiko Kichikawa (Nara Medical Univ.)

Aortic Emergencies Tuncay Hazirolan (Hacettepe University, Turkey)

・Invited Lecture 6: April 12 (Fri.) 10:30-11:00 (F205+206)

Moderator: Teruhito Mochizuki (Ehime Univ.)

The Utility of Cardiac CT in 2019: From the Cardiologist's Perspective

Wm. Guy Weigold (MedStar Heart & Vascular Institute, USA)

・Invited Lecture 7: April 13 (Sat.) 9:10-9:40 (311+312)

Moderator: Hidefumi Mimura (St. Marianna Univ. School of Medicine)

Role of Interventional Radiology in Upper and Lower Gastrointestinal Bleeding with Focus on Liquid Embolic Agents

Romaric Loffroy (François-Mitterrand University Hospital, France)

・Invited Lecture 8: April 13 (Sat.) 10:30-11:00 (311+312)

Moderator: Hiroko Tsunoda (St Luke's International Hosp.)

Ductal Carcinoma in Situ; Controversies of "Overtreatment" vs "Overdiagnosis"

Mai Elezaby (University of Wisconsin School of Medicine and Public Health, USA)

・Invited Lecture 9: April 13 (Sat.) 9:10-9:40 (313+314)

Moderator: Hiroya Ojiri (The Jikei Univ. School of Medicine)

Diffusion and Perfusion Imaging in the Head and Neck Ashok Srinivasan (University of Michigan, USA)

・Invited Lecture 10: April 13 (Sat.) 10:30-11:00 (313+314)

Moderator: Shinji Naganawa (Nagoya Univ.)

Radiology Evolves with AI but Not so Fast: Many Samurais but No Shogun yet

Kyontae Bae (University of Pittsburgh, USA)

・Invited Lecture 11: April 13 (Sat.) 9:10-9:40 (315)

Moderator: Kazuto Ashizawa (Nagasaki Univ.)

HRCT Patterns of Diffuse Lung Disease Hristina N. Natcheva (Boston Medical Center, USA)

・Invited Lecture 12: April 13 (Sat.) 10:40-11:10 (315)

Moderator: Reiichi Ishikura (Hyogo College of Medicine)

Pediatric Brain Tumors Imaging: Insights from WHO Classification and Molecular Biology

Volodia Dangouloff-Ros (Hôpital Universitaire Necker Enfants Malades, France)

・Invited Lecture 13: April 13 (Sat.) 9:10-9:40 (F205+206)

Moderator: Hajime Sakuma (Mie Univ.)

The Latest Advances in Cardiac CT and MRI Meinrad Beer (University Hospital Ulm, Germany)

・Invited Lecture 14: April 13 (Sat.) 10:30-11:00 (F205+206)

Moderator: Ryoichi Tanaka (Iwate Medical Univ.)

Differential Diagnosis of Aortic Wall Thickened Disease: CT and MRI Diagnostic Clue

Zhanming Fan (Capital Medical University, Beijing Anzhen Hospital, China)

・Invited Lecture 15: April 13 (Sat.) 13:00-13:30 (311+312)

Moderator: Hiroshi Toyama (Fujita Health Univ.)

Spectral Photon Counting CT　Katsuyuki Taguchi (The Johns Hopkins University School of Medicine, USA)

Special Focus Session

・Special Focus Session: April 13 (Sat.) 13:00-14:00 (313+314)

Moderator: Takayuki Yamada (St. Marianna Univ. School of Medicine Yokohama City Seibu Hosp.)

Hiroshi Shinmoto (National Defense Medical College)

1. Urolithiasis: Update for Radiologist　Young Sup Shim (Gachon University, Gil Medical Center, Korea)
2. Imaging Diagnosis of Nutcracker Syndrome by Using Doppler Ultrasound and CT

Seung H. Kim (Seoul National University Hospital, Korea)

Symposium

・Symposium 1: April 12 (Fri.) 9:30-11:30 (Main Hall)

「Clinical Practice and Safety in Radiology」　Moderator: Takahiro Souma (Chiba Univ. Hosp.)

Masahiro Ida (Tokyo Metropolitan Ebara Hosp.)

1. Radiology Results not Communicated by Diagnostic Errors　Takahiro Souma (Chiba Univ. Hosp.)
2. The Points of Attention in Diagnostic Radiology　Takashi Koyama (Kurashiki Central Hosp.)
3. What to Do for Radiology Reports to Be Read　Hideki Ota (Tohoku Univ.)
4. Medical Safety of Interventional Radiology　Takuji Yamagami (Kochi Univ.)
5. Medical Safety and Security for Radiation Therapy　Hiroshi Onishi (Univ. of Yamanashi)

・Symposium 2: April 12 (Fri.) 9:30-11:30 (301, Satellite:302)

「Present and Future of Radiogenomics」　Moderator: Kohsuke Kudo (Hokkaido Univ. Hosp.)

Koji Sakai (Kyoto Prefectural Univ. of KPUM)

1. Expectations for Radiogenomics　Koji Sakai (Kyoto Prefectural Univ. of Medicine)
2. Cancer Precision Medicine based on multiple gene testing　Hiroshi Nishihara (Keio Univ.)
3. Emerging Researches in “Radiogenomics”　Khin Khin Tha (Hokkaido Univ. Hosp.)
4. Radiogenomics in Glioma　Manabu Kinoshita (Osaka Univ.)

・Symposium 3: April 12 (Fri.) 9:40-11:40 (303, Satellite:304)

「Recent Development in Transcatheter Embolization」

Moderator: Hiroyuki Tajima (Nippon Medical School Musashikosugi Hosp.)

Koichiro Yamakado (Hyogo College of Medicine)

1. Transcatheter Arterial Embolization for Frozen Shoulder　Masamichi Koganemaru (Kurume Univ.)
2. Recent Trend of Prostatic Artery Embolization　Masanori Inoue (Keio Univ.)
3. Interventional Radiology for Pelvic Congestion Syndrome (PCS) and Varicocele

Manabu Nakata (Dokkyo Medical Univ. Saitama Medical Center)

4. Transarterial Embolization for Metastatic Liver Tumors　Miyuki Sone (National Cancer Center Hosp.)
5. Radioembolisation Using Y90 Microspheres for the Treatment of Hepatocellular Carcinoma

Tay Kiang Hiong (Singapore General Hospital, Singapore)

・Symposium 4: April 12 (Fri.) 15:20-17:20 (Main Hall)

「Clinical Practice and Diagnosis of Non-alcoholic Fatty Liver Disease and Non-alcoholic Steatohepatitis : Current Concepts and Remaining Challenges」　Moderator: Kengo Yoshimitsu (Fukuoka Univ.)

Etsuko Hashimoto (Health Support Center Seibu Railway Co.,Ltd.)

1. Clinical Features, Diagnosis and Treatment of NAFLD/NASH

Etsuko Hashimoto (Health Support Center Seibu Railway Co..Ltd)

2. Quantification of Liver Fat and Iron using MRI　Kengo Yoshimitsu (Fukuoka Univ.)
3. Ultrasound Diagnosis of Liver Fibrosis and Hepatic Steatosis　Hiroko Iijima (Hyogo College of Medicine)
4. NAFLD/NASH and MR Elastography　Utaroh Motosugi (Univ. of Yamanashi)
5. Gd-EOB-DTPA Enhanced MRI Based Diagnosis of Liver Fibrosis

Satoshi Goshima (Hamamatsu Univ. School of Medicine)

・Symposium 5: April 12 (Fri.) 15:10-17:10 (301, Satellite:302)
「Future of Theranostics for Personalized Medicine」 Moderator: Jun Hatazawa (Osaka Univ.)
Makoto Hosono (Kindai Univ.)

1. Nuclear Theranostics in the World and What is Required for the Japanese Community
Seigo Kinuya (Kanazawa Univ.)
2. Clinical Application and Development of Theranostics using Novel Targeted Radionuclide Therapy in Japan
Noboru Oriuchi (Fukushima Medical Univ.)
3. Peptide Receptor Radionuclide Therapy; A Prologue of the way to the future of Radio-Theranostics.
Shoko Takano (Yokohama City Univ.)
4. - Theranostics Targeting LAT 1 - For The Universal Treatment of Cancer Tadashi Watabe (Osaka Univ.)
5. Theranostics for Personalized Medicine -Future Perspective of Quantum Medical Science-
Tatsuya Higashi (NIRS-QST)

・Symposium 6: April 13 (Sat.) 9:30-11:30 (301, Satellite:302)
「Guidelines on the Use of Iodinated Contrast Media in Patients with Kidney Disease 2018」
Moderator: Hiromitsu Hayashi (Nippon Medical School)
Kazuo Awai (Hiroshima Univ.)

1. Overview of the Guidelines on the Use of Iodinated Contrast Media in Patientswith Kidney Disease 2018
Kazuo Awai (Hiroshima Univ.)
2. The Pathophysiology, Diagnosis and Risk Stratification in Contrast Induced Nephropathy
Hideo Yasuda (Hamamatsu Univ. School of Medicine)
3. Contrast-Induced Nephropathy: Intra-arterial Administration of Contrast Media Akira Sato (Univ. of Tsukuba)
4. Contrast-Induced Nephropathy after Intravenous Administration Seitaro Oda (Kumamoto Univ.)
5. Prevention of Contrast Induced Nephropathy Yasuhiro Komatsu (Gunma Univ.)

・Symposium 7: April 13 (Sat.) 9:40-11:40 (303, Satellite:304)
「The Past, Present, and Future of Radiotherapy」 Moderator: Kenji Nemoto (Yamagata Univ.)
Hidefumi Aoyama (Niigata Univ.)

1. Messages to Young Radiation Oncologists Who Bear the Future~Development of Radiation Oncology over Past 30 Years in the Heisei Period Masahiro Hiraoka (Japan Red Cross Wakayama Medical Center)
2. How Do You Welcome AI Era in Radiotherapy? Hidetaka Arimura (Kyushu Univ.)
3. Requirements and Role of Radiotherapy in the Era of Aging and Long-lived Society with Fewer Children
Takashi Mizowaki (Kyoto Univ.)
4. Future Direction of Radiotherapy in the Precision Medicine Era Satoshi Ishikura (Nagoya City Univ.)
5. More Radiation Oncology Exposure in Undergraduate Medical Education Natsuo Oya (Kumamoto Univ.)

・Symposium 8: April 13 (Sat.) 13:10-15:10 (301, Satellite:302)
「Radiologists and AI」 Moderator: Shigeki Aoki (Juntendo Univ.)
Yasuyuki Kobayashi (St. Marianna Univ. School of Medicine)

1. Introduction to Deep Learning for Radiologists Masahiro Hashimoto (Keio Univ.)
2. Methodology of Deep Learning Koichiro Yasaka (The Univ. of Tokyo)
3. Will Artificial Intelligence (AI) Replace Radiologists? Takeshi Nakaura (Kumamoto Univ.)
4. Examining Radiologists of the AI Era Masahiro Jinzaki (Keio Univ.)

・Symposium 9: April 13 (Sat.) 13:20-15:20 (303, Satellite:304)
「Radiological Imaging in Super-aged Society」 Moderator: Kengo Ito (National Center for Geriatrics and Gerontrogy)
Hiroshi Matsuda (National Center of Neurology and Psychiatry)

1. Role of Neuroimaging in Diagnostic Strategy for Dementia in Super-aged Society
Aya M. Tokumaru. (Tokyo Metropolitan Medical Center of Gerontology)
2. Cardiovascular Imaging in a Super-aging Society Takuya Ueda (Tohoku Univ.)
3. Imaging of the Elderly Chest : Normal Aging Change and Pathological Conditions
Masashi Takahashi (Yujin-Yamazaki Hosp.)
4. Imaging of Musculoskeletal Diseases in Aged People Hajime Fujimoto (Chiba Univ. Hosp.)

・Symposium 10: April 14 (Sun.) 9:30-11:30 (Main Hall)
「New Applications of Radiotherapy」 Moderator: Tetsuo Akimoto (National Cancer Center Hosp. East)
Keiichi Jingu (Tohoku Univ.)

1. Role of Loco-Regional Radiotherapy for Head and Neck Cancer with Distant Metastasis.
Takeshi Kodaira (Aichi Cancer Center Hosp.)
2. Radical Radiotherapy for Metastatic Prostate Cancer Katsumasa Nakamura (Hamamatsu Univ. School of Medicine)
3. New and Emerging Radiotherapy Applications in Palliative Care Tetsuo Saito (Kumamoto Univ. Hosp.)
4. New Applications of High Precision Radiotherapy in Early-stage Lung Cancer
Yoshiyuki Shioyama (Ion Beam Therapy Center, SAGA-HIMAT)
5. Combination Therapy of Radiotherapy and Immunotherapy: Basic and Clinical Aspects
Yoshiyuki Suzuki (Fukushima Medical Univ.)

・Symposium 11: April 14 (Sun.) 9:30-11:30 (301, Satellite:302)
「Complementary Diagnosis in Treatment Strategy of Ischemic Heart Disease」
Moderator: Teruhito Mochizuki (Ehime Univ.)
Shin-ichiro Kumita (Nippon Medical School)

1. Recent Progress of Invasive Physiological Assessment. Hitoshi Matsuo (Gifu Heart Center)
2. Morphological and Functional Evaluation of Ischemic Heart Disease using Cardiac CT
Teruhito Kido (Ehime Univ.)
3. Usefulness and Limitations of Cardiac MRI in the Evaluation of Myocardial Ischemia.
Kakuya Kitagawa (Mie Univ.)
4. Evaluation of Two Large Elements of Ischemic Heart Disease by Nuclear Cardiology.
Tomonari Kiriyama (Nippon Medical School)
5. The Paradigm Shift and International Trends on the Management of Stable Ischemic Heart Disease in Diagnosis, Treatment and Outcome Strategies Tomoaki Nakata (Hakodate Goryoukaku Hosp.)

・Symposium 12: April 14 (Sun.) 9:40-11:40 (303, Satellite:304)
「Radiological Protection in Interventional Procedure」 Moderator: Takamichi Murakami (Kobe Univ.)
Tetsuo Sonomura (Wakayama Medical Univ.)

1. Optimization of Protection in Interventional Radiology
Masaaki Akahane (International Univ. of Health and Welfare)
2. Radiation Exposure in Non Vascular IR Atsushi Komemushi (Kansai Medical Univ. Medical Center)
3. Radiation Protection on Patient and Physician during Vascular Interventional Radiology for Body Disease
Masakazu Hirakawa (Kyushu Univ. Beppu Hosp.)
4. Radiation Safety and Protection in Neuro- and H&N Interventional Radiology Toshi Abe (Kurume Univ.)

Image Interpretation Session

・Image Interpretation Session: April 13 (Sat.) 17:00-19:00 (Main Hall)

Moderator: Noriko Aida (Kanagawa Children's Medical Center)
Yoshiko Hayashida (Univ. of Occupational and Environmental Health)

Question Master: Masanori Nakajou (Kagoshima Univ.)
Masafumi Kidoh (Kumamoto Univ.)
Ryoko Egashira (Saga Univ.)
Yukihisa Takayama (Kyushu Univ.)
Masafumi Toguchi (Univ. of the Ryukyus)
Nozomi Oki (Nagasaki Univ.)

Discussor: Taisuke Harada (Hokkaido Univ. Hosp.)
Takao Kiguchi (Ichinomiyanishi Hosp.)
Wataru Fukumoto (Hiroshima Univ.)
Yudai Nakai (The Univ. of Tokyo)
Yusaku Moribata (Kurashiki Central Hosp.)
Tetsuhiko Okabe (Yokohama City Univ.)

Special Program

・Special Program 1: April 12 (Fri.) 10:00-11:40 (315)
「Standardization of Quantitative Imaging: Approach to Quantitative Imaging Biomarker Alliance (QIBA)」
Moderator: Shigeki Aoki (Juntendo Univ.)
Ukihide Tateishi (Tokyo Medical and Dental Univ.)

1. Quantitative Imaging in Precision Medicine: Opportunities, Challenges, and the Role of the RSNA Quantitative Imaging Biomarkers Alliance (QIBA)
Edward F. Jackson (University of Wisconsin, School of Medicine & Public Health, USA)
2. Approach to QIBA Through Development of Phantom for Magnetic Resonance Elastography
Mikio Suga (Chiba Univ.)
3. JISC's Activity for Medical Device Development
Niko Kato (International Standardization Division, Ministry of Economy, Trade and Industry)
4. Recent Advances of J-QIBA Ukihide Tateishi (Tokyo Medical and Dental Univ.)

・Special Program 2: April 12 (Fri.) 16:50-17:50 (303)
「How to Write Scientific Papers; Tips for Young Radiologists」
Moderator: Yukunori Korogi (Univ. of Occupational and Environmental Health)

1. The Daily Practice of Writing Academic Papers; the Language Requisite and Lifestyle Tips
Eriko Maeda (The Univ. of Tokyo)
2. Tips of Writing Research Papers for Young Radiologists: How and Why? Katsuyoshi Ito (Yamaguchi Univ.)

・Special Program 3: April 12 (Fri.) 15:10-16:40 (304)
「Imaging Diagnosis with Artificial Intelligence Promoted by Japan Radiological Society – Utility of Japan Medical Imaging Database -」 Moderator: Shigeki Aoki (Juntendo Univ.)
Noriyuki Tomiyama (Osaka Univ.)

1. ICT Infrastructure Establishment and Implementation of Artificial Intelligence for Clinical and Medical Research
Tetsuo Sakamaki (Japan Agency for Medical Research and Development)
2. Cloud Platform and AI Medical Image Processing for Promoting Use of Medical Big Data
Shin'ichi Satoh (National Institute of Informatics)
3. AI Project Promoted by Japan Radiological Society Hiroshi Honda (Kyushu Univ.)
4. Current Status of System Development for Imaging Diagnosis by Artificial Intelligence: Collaboration with National Institute of Informatics Osamu Abe (The Univ. of Tokyo)
5. Imaging Diagnosis with Artificial Intelligence – Tasks toward Utilization Masahiro Jinzaki (Keio Univ.)

・Special Program 4: April 13 (Sat.) 8:00-9:00 (F205+206)
「Joint Symposium of JRS and JCR "Work-style Reform of Radiologists"」 Moderator: Hideki Ota (Tohoku Univ.)

1. JRS / JCR "Work-Style Questionnaire 2018" and Recommendations to the Ministry of Health, Labor and Welfare - Current Status of Japanese Health Care and the Role of Radiologists -
Roka Matsubayashi (Namoto) (Kyushu Medical Center)
2. Improvement of Work Environment Promoting Empowerment of Female Healthcare Professions -
Hitomi Sasaki (Fujita Health Univ.)

・Special Program 5: April 14 (Sun.) 9:20-10:50 (315)
「How Should Radiologists Learn Artificial Intelligence in Medicine?」
Moderator: Daisuke Utsunomiya (Yokohama City Univ.)
How to Learn Artificial Intelligence in Medicine for Radiologists?

1. Why and How Should Radiologists Learn Artificial Intelligence in Medicine?
Yasuyuki Kobayashi (St. Marianna Univ.)
2. Seeing is Believing, Considering is Understanding, Practicing is Discovering Masahiro Hashimoto (Keio Univ.)

・Special Program 6: April 14 (Sun.) 13:00-14:30 (F205+206)
「Medical Safety of Radiology Department, Part 2 (放射線科の医療安全を考える、第2弾)」
Moderator: Shunro Matsumoto (Oita Univ.)
Kazuto Ashizawa (Nagasaki Univ.)
(基調講演)「放射線科読影レポート未確認問題、incidentaloma等について —弁護士の立場から」
Noboru Tanabe (JCR Legal Adviser)

1. 当院における画像診断レポートの未読既読管理と読影体制 Hiroko Satake (Nagoya Univ. Hosp.)

2. 画像診断レポートの確認に関する安全対策：鹿児島大学病院の取り組み
Hiroto Hakamada (Kagoshima Univ.)
3. 画像診断レポート既読確認のための長崎大学病院の取り組み Masataka Uetani (Nagasaki Univ. Hosp.)
4. 特別発言 Masahiro Ida (Ebara Hosp.)

Resident Seminar

・Resident Seminar (Diagnostic): April 13 (Sat.) 9:30-11:30 (Main Hall)
「Introduction to Emergency Radiology」 Moderator: Hiroaki Takara (Okinawa Prefectural Chubu Hosp.)
Shunro Matsumoto (Oita Univ.)
1. Emergency Diagnostic Imaging of the Central Nervous System Hiroyuki Uetani (Kumamoto Univ.)
2. The Management of Blunt Traumatic and Iatrogenic Vascular Injuries by Interventional Radiologists
Takeshi Sugahara (Japanese Red Cross Kumamoto Hosp.)
3. Diagnostic Imaging and Interventional Radiology for Acute Abdomen. Miyuki Maruno (Oita Univ.)
4. CT and MR Imaging of Gynecological Emergencies: What Residents and Fellows Should Know
Yuko Iraha (Univ. of the Ryukyus)
5. Strategies to Reduce Unnecessary Radiation Exposure from Pediatric Emergency CT Scans
Yasunori Nagayama (Kumamoto Univ.)

・Resident Seminar (Radiation Oncology): April 13 (Sat.) 17:00-19:00 (301, Satellite:302)
「Introduction to Radiation Oncology」 Moderator: Masaharu Hata (Yokohama City Univ.)
Hitoshi Ikushima (Tokushima Univ.)
1. Radiation Therapy for Uterine Cervical Cancer Masaru Wakatsuki (Jichi Medical Univ.)
2. Radiotherapy for Prostate Cancer Takeo Takahashi (Saitama Medical Center, Saitama Medical Univ.)
3. Introduction to Radiation Oncology: Lung Cancer Nobue Uchida (Tottori Univ.)

Educational Lecture

・Educational Lecture 1: April 11 (Thu.) 17:00-18:00 (301)
「Nuclear Medicine 1」 Moderator: Ukihide Tateishi (Tokyo Medical and Dental Univ.)
1. FDG PET/CT for Head and Neck Squamous Cell Carcinoma Yoshihiro Nishiyama (Kagawa Univ.)
2. FDG-PET in Lung Cancer Takayoshi Ishimori (Kyoto Univ.)

・Educational Lecture 2: April 11 (Thu.) 17:10-18:10 (302)
「Musculoskeletal Radiology 1」 Moderator: Takatoshi Aoki (Univ. of Occupational and Environmental Health)
1. Imaging of Wrist and Hand Satoshi Tatsuno (Yaesu Clinic)
2. Foot and Ankle Imaging: Cases without History of Trauma
Kaoru Kitsukawa (St. Marianna Univ. School of Medicine)

・Educational Lecture 3: April 11 (Thu.) 17:00-18:00 (303)
「Head and Neck Radiology 1」 Moderator: Norimitsu Tanaka (Kurume Univ.)
1. Imaging of Cholesteatomas Takao Kodama (Miyazaki Prefectural Hosp.)
2. Temporal Bone Imaging: Congenital Anomalies of the Ear Hiroki Kato (Gifu Univ.)

・Educational Lecture 4: April 11 (Thu.) 17:00-18:00 (304)
「Cardiac Radiology 1」 Moderator: Hajime Sakuma (Mie Univ. Hosp.)
1. The Updates in the Diagnostic Imaging of Cardiac Sarcoidosis and Cardiac Amyloidosis
Osamu Manabe (Hokkaido Univ.)
2. Cardiomyopathy Yasuo Amano (Nihon Univ. Hosp.)

・Educational Lecture 5: April 12 (Fri.) 8:00-9:00 (National Convention Hall)
「[MOC Requirements] Radiation Safety Protection 1」 Moderator: Kunihiro Yoshioka (Iwate Medical Univ.)
1. How We Cope with the New Occupational Equivalent Dose Limit for the Lens of the Eye.
Kazuko Ohno (Kyoto Collage of Medical Science)
2. Analysis of the Death Related to Anaphylaxis by Injection Hiromitsu Hayashi (Nippon Medical School)

・Educational Lecture 6: April 12 (Fri.) 8:00-9:00 (Main Hall)
「[MOC Requirements] Quality of Medical Care: Radiotherapy」 Moderator: Natsuo Oya (Kumamoto Univ.)
Quality of Medical Care: Radiation Oncology Takeshi Kodaira (Aichi Cancer Center Hosp.)

・Educational Lecture 7: April 12 (Fri.) 8:00-9:00 (301, Satellite:311+312)
「Gastrointestinal Radiology 1」 Moderator: Mitsuru Matsuki (Kindai Univ.)
1. Benign Splenic Diseases: Congenital Abnormalities, Splenomegaly Cystic Masses and Abscesses
Eriko Maeda (The Univ. of Tokyo)
2. Imaging Characteristics of Splenic Tumors and Tumor-like Lesions
Hitoshi Abo (Toyama Prefectural Central Hosp.)

・Educational Lecture 8: April 12 (Fri.) 8:00-9:00 (302, Satellite:313+314)
「Radiation Oncology 1」 Moderator: Ryo Toya (Kumamoto Univ.)
Stereotactic Irradiation for Brain Tumors Masayuki Matsuo (Gifu Univ.)

・Educational Lecture 9: April 12 (Fri.) 8:00-9:00 (303, Satellite:315)
「Chest Radiology 1」 Moderator: Takeshi Johkoh (Kinki Central Hosp.)
1. Imaging Findings of Atypical Pneumonia Nobuyuki Tanaka (Yamaguchi-Ube Medical Center)
2. Imaging Diagnosis of Opportunistic Infection of the Lung Kazuto Ashizawa (Nagasaki Univ.)

・Educational Lecture 10: April 12 (Fri.) 8:00-9:00 (304)
「IVR 1」 Moderator: Takuji Yamagami (Kochi Univ.)
1. Interventional Radiology for VenousThromboembolism Hiroshi Anai (Nara City Hosp.)
2. Interventional Approach for the Treatment of Chronic Thromboembolic Pulmonary Hypertension (CTEPH).
Tetsuya Fukuda (National Cerebral and Cardiovascular Center)

・Educational Lecture 11: April 12 (Fri.) 8:00-9:00 (F205+206)
「Cardiac Radiology 2」 Moderator: Eijun Sueyoshi (NagasakiI Univ.)
1. A Practical Guide to Interpreting PET/CT in Large Vessel Vasculitis
Junichi Tsuchiya (Tokyo Medical and Dental Univ.)
2. Inflammatory Disease of the Aorta and Its Major Branch Norihiko Yoshimura (Niigata Univ.)

・Educational Lecture 12: April 12 (Fri.) 15:10-16:10 (F205+206)
「Pediatric Radiology 1」 Moderator: Masashi Koyama (Okazaki City Hosp.)
1. Systemic Diseases: Radiological Approach with CNS (and Extra) Findings Masahiro Kitami (Tohoku Univ.)
2. Introducing NICE Clinical Guideline to Achieve Justification in Pediatric Imaging.
Yoshimi Fujii (Fujisawa City Hosp.)

・Educational Lecture 13: April 12 (Fri.) 16:30-17:30 (F205+206)
「Genitourinary Radiology 1」 Moderator: Ryohei Kuwatsuru (Juntendo Univ. Hosp.)
1. How Diagnose and Treat Renal Vascular Disorders: A Case-Based Teaching Approach
Shigeo Takebayashi (Yokohama City Univ. Medical Center)
2. Imaging Diagnosis of Complications (Including PTLD) of Dialysis / Renal Transplantation and Evaluation of Renal Transplant Donor Tsuyoshi Tajima (National Center for Global Health and Medicine)

・Educational Lecture 14: April 13 (Sat.) 8:00-9:00 (National Convention Hall)
「[MOC Requirements] Radiation Safety Protection 2」 Moderator: Hideharu Sugimoto (Jichi Medical Univ.)
1. Revising the Radiation Hazard Prevention Law and the Obligation of Medical Permission User
Ryozo Nishida (Nuclear Regulation Authority)
2. Health Effects of Radiation Ohtsura Niwa (Radiation Effects Research Foundation)

・Educational Lecture 15: April 13 (Sat.) 8:00-9:00 (Main Hall)
「[MOC Requirements] Quality of Medical Care: Diagnostic Imaging」
Moderator: Ukihide Tateishi (Tokyo Medical and Dental Univ.)
1. Current Status of Standardization in EPR and PACS Sharing System and IHE-CPI
Hiroshi Kondoh (Tottori Univ. Hosp.)
2. Quality Control in Diagnostic Imaging Masahiko Fujii (Kobe Minimally invasive Cancer Center)

・Educational Lecture 16: April 13 (Sat.) 8:00-9:00 (301, Satellite:311+312)
「Gastrointestinal Radiology 2」 Moderator: Kenji Ibukuro (Nihon Univ.)
1. Clinical Anatomy of Peritoneum (Mesenteries, Ligaments, and Fasciae)
Yoshiko Hayashida (Univ. of Occupational and Environmental Health)

2. CT Imaging of Internal Hernia — Norio Hongo (Oita Univ. Faculty of Medicine)

・Educational Lecture 17: April 13 (Sat.) 8:00-9:00 (302, Satellite:313+314)
「Radiation Oncology 2」 Moderator: Tatsuya Ohno (Gunma Univ.)
Image-Guided Brachytherapy — Shin-ei Noda (Saitama Medical Univ. International Medical Center)

・Educational Lecture 18: April 13 (Sat.) 8:00-9:00 (303, Satellite:315)
「Chest Radiology 2」 Moderator: Hidetake Yabuuchi (Kyushu Univ.)
1. Imaging of Mycobacterial Pulmonary Disease — Masuo Ujita (Tachikawa General Hosp.)
2. Image Findings of Infectious Pulmonary Nodule/Mass — Shuji Sakai (Tokyo Women's Medical Univ.)

・Educational Lecture 19: April 13 (Sat.) 8:00-9:00 (304)
「IVR 2」 Moderator: Kei Takase (Tohoku Univ.)
1. Vascular Access Intervention Therapy in Hemodialysis Patients — Masahiro Tsuboi (Osaki Citizn Hosp.)
2. Denver Shunt and Transjuglar Liver Biopsy — Yasukazu Kako (Hyogo College of Medicine)

・Educational Lecture 20: April 13 (Sat.) 15:40-16:40 (Main Hall)
「Neuroradiology 1」 Moderator: Yoshiyuki Watanabe (Osaka Univ.)
1. Imaging of the Craniovertebral Junction: Congenital Anomalies, Traumatic Injuries, and Others — Tsutomu Inaoka (Toho Univ. Sakura Medical Center)
2. Skull Base Tumors and Inflammatory/Infectious Disorders — Harushi Mori (The Univ. of Tokyo)

・Educational Lecture 21: April 13 (Sat.) 15:30-16:30 (301)
「Nuclear Medicine 2」 Moderator: Kenichi Nakajima (Kanazawa Univ. Hosp.)
1. How to Write A Report of Stress Myocardial Perfusion SPECT That A Referral Doctor Requires — Mitsuru Momose (Tokyo Women's Medical Univ.)
2. Nuclear Cardiology for Non-Ischemic Heart Diseases — Masao Miyagawa (Ehime Univ. Hosp.)

・Educational Lecture 22: April 13 (Sat.) 15:30-16:30 (302, Satellite:311+312)
「Radiation Oncology 3」 Moderator: Hitoshi Ikushima (Tokushima Univ.)
Basic of Immuno-Radiotherapy — Yoshiyuki Suzuki (Fukushima Medical Univ.)

・Educational Lecture 23: April 13 (Sat.) 15:40-16:40 (303)
「Genitourinary Radiology 2」 Moderator: Yumiko Oishi Tanaka (The Cancer Institute Hosp. of JFCR)
1. The Spectrum of Imaging Appearance of Müllerian Duct Anomalies: Uterovaginal Anomaly, Including Renal Agenesis — Takeru Fukunaga (Tottori Univ.)
2. Congenital Anomalies of Kidney, Urinary Tract and Male Genitalia. — Yoshinobu Akasaka (Kobe Children's Hosp.)

・Educational Lecture 24: April 13 (Sat.) 17:10-18:10 (303, Satellite:304)
「Radiation Oncology 4」 Moderator: Hideyuki Sakurai (Univ. of Tsukuba Hosp.)
Radiation Therapy for Pediatric Cancer; Indication of Proton Therapy — Toshinori Soejima (Kobe Proton Center)

・Educational Lecture 25: April 13 (Sat.) 15:40-16:40 (304)
「Musculoskeletal Radiology 2」 Moderator: Masataka Uetani (Nagasaki Univ.)
1. Fatigue Fractures and Cartilage Lesions. — Takenori Yonenaga (JR Tokyo General Hosp.)
2. MRI Diagnosis of Muscle, Tendon and Ligament Injuries — Shoichiro Takao (Tokushima Univ.)

・Educational Lecture 26: April 14 (Sun.) 8:00-9:00 (Main Hall)
「[MOC Requirements] Infection Control」 Moderator: Tsutomu Tamada (Kawasaki Medical School)
A Problem Faced with Infectious Diseases and Infection Control — Kisato Nosaka (Kumamoto Univ. Hosp.)

・Educational Lecture 27: April 14 (Sun.) 8:00-9:00 (301)
「Gastrointestinal Radiology 3」 Moderator: Manabu Minami (Univ. of Tsukuba)
1. Neoplastic Diseases of the Peritoneum and Mesentery — Ryo Takaji (Oita Univ.)
2. Non-Neoplastic and Inflammatory Diseases of the Peritoneum and Mesentery — Akiko Sumi (Kurume Univ.)

・Educational Lecture 28: April 14 (Sun.) 8:00-9:00 (302, Satellite:313+314)
「Radiation Oncology 5」 Moderator: Masatoshi Hasegawa (Nara Medical Univ.)
Hyperbaric Oxygen Therapy for Late Radiation Adverse Events Yasue Niwa (Tsuyama Chuo Hosp.)

・Educational Lecture 29: April 14 (Sun.) 8:00-9:00 (303, Satellite:311+312)
「Chest Radiology 3」 Moderator: Osamu Honda (Osaka Univ.)
1. Imaging of the Endobronchial Tumor Katsunori Oikado (Cancer Institute Hospital of JFCR)
2. Imaging of the Benign Pulmonary Lesion to Be Differentiated from Bronchogenic Carcinoma
Masashi Takahashi (Yujin-Yamazaki Hosp.)

・Educational Lecture 30: April 14 (Sun.) 8:00-9:00 (304)
「IVR 3」 Moderator: Tetsuo Sonomura (Wakayama Medical Univ.)
1. Venous Sampling Kazumasa Seiji (Tohoku Univ. Hosp.)
2. Radiation Protection in Interventional Radiology Masaaki Akahane (International Univ. of Health and Welfare)

・Educational Lecture 31: April 14 (Sun.) 8:00-9:00 (315)
「Head and Neck Radiology 2」 Moderator: Hiroya Ojiri (The Jikei Univ. School of Medicine)
1. Cystic Lesions of the Neck Akira Baba (The Jikei Univ. School of Medicine)
2. Imaging Features of IgG4-Related Disease Dai Inoue (Kanzawa Univ. Hosp.)

・Educational Lecture 32: April 14 (Sun.) 8:00-9:00 (F205+206)
「Neuroradiology 2」 Moderator: Mitsuru Matsuki (Kindai Univ.)
1. The Normal Anatomy of the Skull Base on CT and MR Imaging: Focusing on Clinical Significance in Patients.
Ryutaro Ukisu (Kitasato Univ.)
2. Points to Notice in Skull Base Imaging Mitsuru Matsuki (Kindai Univ.)

・Educational Lecture 33: April 14 (Sun.) 10:40-11:40 (F205+206)
「Pediatric Radiology 2」 Moderator: Kumiko Ando (Hyogo College of Medicine)
1. Pediatric Brain Tumor and Genetics Toshio Moritani (Univ. of Michigan)
2. Development and Abnormal Development of the Immature Brain
Kazutoshi Fujita (Kanagawa Children's Medical Center)

・Educational Lecture 34: April 14 (Sun.) 13:20-14:20 (National Convention Hall)
「[MOC Requirements] Medical Ethics」 Moderator: Toshifumi Gabata (Kanazawa Univ.)
Hunan Research Regulations: Up to Date on Laws and Guidelines
Chieko Kurihara (National Institute for Quantum and Radiological Science and Technology)

・Educational Lecture 35: April 14 (Sun.) 13:20-14:20 (301)
「Neuroradiology 3」 Moderator: Yukio Miki (Osaka City Univ.)
1. Imaging Diagnosis of the Pituitary Yukio Miki (Osaka City Univ.)
2. Cavernous Sinus Minako Azuma (Miyazaki Univ.)

・Educational Lecture 36: April 14 (Sun.) 13:20-14:20 (302)
「Nuclear Medicine 3」 Moderator: Hidehiko Okazawa (University of Fukui)
1. Molecular Imaging By PET and SPECT Tracers in Brain Ischemia. Eku Shimosegawa (Osaka Univ.)
2. Brain (Degenerative Disease)
Masashi Kameyama (Tokyo Metropolitan Geriatric Hosp. and Institute for Gerontology)

・Educational Lecture 37: April 14 (Sun.) 13:10-14:10 (303)
「Radiation Oncology 6」 Moderator: Tomoki Kimura (Hiroshima Univ.)
Basic Physics and Its Application to Clinical Practice in Radiology Masayori Ishikawa (Hokkaido Univ.)

・Educational Lecture 38: April 14 (Sun.) 13:10-14:40 (304)
「Breast Imaging」 Moderator: Shuichi Monzawa (Shinko Hosp.)
1. Basics and Practice of Breast Imaging: Mammography and Ultrasound Youichi Machida (Kameda Medical Center)
2. Breast MRI Findings of Invasive Ductal Carcinoma Mariko Goto (Kyoto Prefectural Univ. of Medicine)
3. Breast Cancer Molecular Subtype Imaging Features based on Mammography, Sonography, and MRI
Takayoshi Uematsu (Shizuoka Cancer Center Hosp.)

指導者講習会

・指導者講習会1: April 13 (Sat.) 15:40-16:40 (F205+206)

Kei Takase (Tohoku Univ.)

・指導者講習会2: April 14 (Sun.) 9:20-10:20 (F205+206)

Yasushi Kaji (Dokkyo Medical Univ.)

Luncheon Seminar

・Luncheon Seminar 1: April 12 (Fri.) 12:00-12:50 (Main Hall)

「Guidelines on the Use of Iodinated Contrast Media in Patients with Kidney Disease 2018」

Moderator: Daisuke Utsunomiya (Yokohama City Univ.)
Hiromitsu Hayashi (Nippon Medical School)

Sponsored by: DAIICHI SANKYO CO.,LTD.

・Luncheon Seminar 2: April 12 (Fri.) 12:00-12:50 (301)

「CT/MR Perfusion Imaging for Acute Ischemic Stroke and Brain Tumors」 Moderator: Osamu Abe (The Univ. of Tokyo)
Kohsuke Kudo (Hokkaido Univ. Hosp.)

Sponsored by: Bayer Yakuhin, Ltd.

・Luncheon Seminar 3: April 12 (Fri.) 12:00-12:50 (302)

「Reconsideration of Contrast-enhanced CT Theory of Abdomen in Era of Low-voltage and Ultra High-resolution CT: Should Reduction of Contrast Material Volume Be Always Accepted?」

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

Sponsored by: Eisai Co., Ltd.

・Luncheon Seminar 4: April 12 (Fri.) 12:00-12:50 (303)

「Solution by approach of First Time Right in CT/MR」

Moderator: Hiroshi Shinmoto (National Defense Medical College Hosp.)

1. Clinical impact of next generation MR Ingenia Elition 3.0T - Challenge the limitation of the 3.0T-MRI -
   Kazuhiro Katahira (Kumamoto Chuo Hosp.)
2. Investigation on Spectral CT from radiological technologists' perspective
   Hironobu Tomita (Saitama-ken Saiseikai, Kawaguchi General Hosp.)

Sponsored by: Philips Japan, Ltd.

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

「Key Points of Diagnostic Imaging in Cardiac Region」 Moderator: Teruhito Mochizuki (Ehime Univ.)

1. Using Coronary CTA, CT Perfusion and FFR-CT — Teruhito Kido (Ehime Univ.)
2. Recent topics in cardiac MRI for non-ischemic cardiomyopathy — Kenichi Yokoyama (Kyorin Univ.)

Sponsored by: Guerbet Japan KK

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

「Dynamic X-ray Radiography can change dialogistic imaging」

Moderator: Atsuko Kurosaki (Fukujuji Hosp., Japan Anti-Tuberculosis Association (JATA))

1. Expectation for Dynamic Chest Radiography
   Shoji Kudoh (Board of Directors Japan Anti-Tuberculosis Association(JATA)/Nippon Medical School)
2. Clinical applications of Dynamic X-ray Radiography — Terumitsu Hasebe (Tokai Univ. Hachioji Hosp.)

Sponsored by: KONICA MINOLTA JAPAN, INC.

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

「Immunotherapy we should know about」 Moderator: Takamichi Murakami (Kobe Univ.)

1. Current status of immunotherapy for advanced cancers — Noboru Yamamoto (National Cancer Center Hosp.)
2. Tumor response evaluation criteria for immunotherapy — Hirokazu Watanabe (National Cancer Center Hosp.)

Sponsored by: Yokogawa Medical Solutions Corporation

・Luncheon Seminar 8: April 12 (Fri.) 12:00-12:50 (315)
「Medical Image Diagnosis Support Using AI: Deep Learning
- Clinical Applications and Evaluations for Practical Use」 Moderator: Noriyuki Tomiyama (Osaka Univ.)
1. Efficacy Evaluation of Lung Nodule CADe Using Deep Learning Shichiro Katase (Kyorin Univ.)
2. Clinical Applications of 3D Temporal Subtraction on CT Images for Bone Metastasis Diagnosis
Shingo Iwano (Nagoya Univ.)

Sponsored by: FUJIFILM Medical Co., Ltd.

・Luncheon Seminar 9: April 12 (Fri.) 12:00-12:50 (416+417)
「Prospect of neuroimaging diagnosis of Alzheimer's disease; toward earlier treatment and prevention」
Moderator: Kengo Ito (National Center for Geriatrics and Gerontology)
Kenji Ishii (Tokyo Metropolitan Institute of Gerontology)

Sponsored by: Eisai Co., Ltd.

・Luncheon Seminar 10: April 12 (Fri.) 12:00-12:50 (F203+204)
「AI × Impact of next generation MRI」 Moderator: Kei Takase (Tohoku Univ.)
1. Clinical application of next generation high resolution 3T MRI in Neuroradiology
Kazuhiro Murayama (Fujita Health Univ.)
2. Clinical application in high-resolution body MR imaging Katsuyoshi Ito (Yamaguchi Univ.)

Sponsored by: Canon Medical Systems Corporation

・Luncheon Seminar 11: April 12 (Fri.) 12:00-12:50 (F205+206)
「Towards Creating Clinical Value of Abdominal MR Imaging」 Moderator: Kazuo Awai (Hiroshima Univ.)
1. Various image processing techniques with 3T MRI TRILLIUM OVAL Toru Higaki (Hiroshima Univ.)
2. Clinical capability of 3T TRILLIUM OVAL in the abdominal imaging Yuko Nakamura (Hiroshima Univ.)

Sponsored by: Hitachi,Ltd.

・Luncheon Seminar 12: April 13 (Sat.) 12:00-12:50 (Main Hall)
「The leading edge of CT ～Next generation CT and radiological examination with AI technology～」
Moderator: Takamichi Murakami (Kobe Univ.)
1. New approach to cardiac CT exams Daisuke Utsunomiya (Yokohama City Univ.)
2. CT Innovation and Improved detectability of the Adamkiewicz Artery Kunihiro Yoshioka (Iwate Medical Univ.)
3. Deep Learning based Spectral Imaging with ADCT Kazuo Awai (Hiroshima Univ.)

Sponsored by: Canon Medical Systems Corporation

・Luncheon Seminar 13: April 13 (Sat.) 12:00-12:50 (301)
「CT Technology Revolution,
-Wide coverage, Dual Energy and Next Generation Technology-」
Moderator: Masaaki Akahane (International Univ. of Health and Welfare)
1. Revolution CT Clinical Benefit and Next Generation Technology for Chest Masahiro Yanagawa (Osaka Univ.)
2. Revolution CT Clinical Benefit and Next Generation Technology for Abdomen
Satoshi Goshima (Hamamatsu Univ. School of Medicine)

Sponsored by: GE Healthcare Japan

・Luncheon Seminar 14: April 13 (Sat.) 12:00-12:50 (302)
「Assessment of the PACS viewer: the key to comfortable interpretation」
Moderator: Ukihide Tateishi (Tokyo Medical and Dental Univ.)
Kazuhiro Katahira (Kumamoto Chuo Hosp.)

Sponsored by: PSP Corporation.

・Luncheon Seminar 15: April 13 (Sat.) 12:00-12:50 (303)
「Cutting Edge Emergency Radiology」 Moderator: Koichiro Yamakado (Hyogo College of Medeicine)
1. Acute endovascular management of nontraumatic arterial injuries Noritaka Kamei (Oita Univ.)
2. Trauma Evaluation And Management in the Hybrid ER System Hiroshi Kondo (Teikyo Univ.)

Sponsored by: Fuji Pharma Co., Ltd.

・Luncheon Seminar 16: April 13 (Sat.) 12:00-12:50 (304)
「Essential points in MRI diagnosis for the future」 Moderator: Masahiro Jinzaki (Keio Univ.)
1. Mechanisms for alteration of MR signal intensities Masaya Takahashi (Guerbet Japan KK)
2. Emerging technologies to change the MR future Osamu Abe (The University of Tokyo)
3. Essential points in MRI diagnosis for the future - abdomen - Kengo Yoshimitsu (Fukuoka Univ.)

Sponsored by: Guerbet Japan KK

・Luncheon Seminar 17: April 13 (Sat.) 12:00-12:50 (311+312) *Simultaneous interpretation will be provided in this seminar.
「The innovation in IVR by Philips Azurion and its clinical value」
Moderator: Shiro Miyayama (Fukuiken Saiseikai Hosp.)
1. Next generation pan-vascular suite: optimizing patient management and outcomes (TBA)
Brian J. Schiro (Miami Cardiac & Vascular Institute, USA)
2. Usefulness of Azurion for various kinds of IVR Masanori Inoue (Keio Univ.)

Sponsored by: Philips Japan, Ltd.

・Luncheon Seminar 18: April 13 (Sat.) 12:00-12:50 (313+314)
「Effectiveness of MRI-guided Radiation Therapy System」 Moderator: Keiichi Jingu (Tohoku Univ.)
Hiroshi Igaki (National Cancer Center Hosp.)

Sponsored by: Itochu Corporation

・Luncheon Seminar 19: April 13 (Sat.) 12:00-12:50 (315)
「Latest CT technology & Forefront of Artificial Intelligence ～Expanding Precision Medicine～」
Moderator: Hiroya Ojiri (The Jikei Univ. School of Medicine)
1. Latest CT technology: Ability of Tin filter technology Munemasa Okada (Yamaguchi Univ. Hosp.)
2. How AI can change a radiologist's daily life
Bastian Oliver Sabel (Ludwig-Maximilians-University of Munich, Germany)

Sponsored by: Siemens Healthcare K.K.

・Luncheon Seminar 20: April 13 (Sat.) 12:00-12:50 (416+417)
「Future Perspective for Diagnosis with 3D Bone SPECT
-Imaging Technique and Clinical-」 Moderator: Atsutaka Okizaki (Asahikawa Medical Univ.)
1. Feasibility of the rapid bone-SPECT/CT imaging Kenta Miwa (International Univ. of Health and Welfare)
2. Importance of SPECT / CT in bone scintigraphy role of GI-BONE Shigeaki Higashiyama (Osaka City Univ.)

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

・Luncheon Seminar 21: April 13 (Sat.) 12:00-12:50 (F205+206)
「Optimizing image quality via injection protocol method」 Moderator: Yasuyuki Yamashita (Kumamoto Univ.)
1. Personalization of contrast enhancement protocol using "contrast enhancement optimizer"
Toru Higaki (Hiroshima Univ.)
2. History of contrast agent administration method research and future prospect: Including utilization of AI
Takeshi Nakaura (Kumamoto Univ. Hosp.)

Sponsored by: Nemoto Kyorindo Co.,Ltd.

・Luncheon Seminar 22: April 14 (Sun.) 12:00-12:50 (Main Hall)
「Contrast agent safe use: Latest guidelines and recent progress」
Moderator: Yukunori Korogi (Univ. of Occupational and Environmental Health)
Yoshito Tsushima (Gunma Univ.)

Sponsored by: Eisai Co., Ltd.

・Luncheon Seminar 23: April 14 (Sun.) 12:00-12:50 (301)
「Current trends in medical radiation exposure and dose management」 Moderator: Susumu Kanazawa (Okayama Univ.)
Yusuke Inoue (Kitasato Univ.)

Sponsored by: Bayer Yakuhin, Ltd.

・Luncheon Seminar 24: April 14 (Sun.) 12:00-12:50 (302)
「New era of MR innovation: close to patients」 Moderator: Noriyuki Tomiyama (Osaka Univ.)
1. Body MRI up-to-date: AIR Technology and advanced applications Masahiro Yanagawa (Osaka Univ.)
2. PET/MRI：breaking barriers with simultaneous acquisition
-What is the key difference from PET/CT?- Munenobu Nogami (Kobe Univ.)

Sponsored by: GE Healthcare Japan

・Luncheon Seminar 25: April 14 (Sun.) 12:00-12:50 (303)
「The imaging leading to best treatment -Evaluation of metastasis changes treatment strategy for prostate cancer-」
Moderator: Masahiro Jinzaki (Keio Univ.)
Yasuhide Miyoshi (Yokohama City Univ. Medical Center)

Sponsored by: FUJIFILM Toyama Chemical Co., Ltd.

・Luncheon Seminar 26: April 14 (Sun.) 12:00-12:50 (304)
「Breast MRI - from basics to advanced -」 Moderator: Yasuo Nakajima (Radiology Consultation Clinic)
Masako Kataoka (Kyoto Univ. Hosp.)

Sponsored by: Siemens Healthcare K.K.

・Luncheon Seminar 27: April 14 (Sun.) 12:00-12:50 (311+312)
「Key Points of Diagnostic Imaging in Abdominal Region」 Moderator: Takumichi Murakami (Kobe Univ.)
1. Clinical management based on the LI-RADS® v2018 and organization of iodine contrast material injection method
Satoshi Goshima (Hamamatsu Univ. School of Medicine)
2. Update in CT diagnosis of adrenal tumor Akihiro Nishie (Kyushu Univ.)

Sponsored by: Guerbet Japan KK

・Luncheon Seminar 28: April 14 (Sun.) 12:00-12:50 (313+314)
「Clinical use of tissue characterization diagnosis by ECV analysis using Ziostation 2」
Moderator: Kazuo Awai (Hiroshima Univ.)
1. Cardiac Seitaro Oda (Kumamoto Univ.)
2. Liver, Pancreas Yoshihiko Fukukura (Kagoshima Univ.)

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

・Luncheon Seminar 29: April 14 (Sun.) 12:00-12:50 (315)
「HyperArc：UAB's Experience Year One and Beyond」 Moderator: Natsuo Oya (Kumamoto Univ.)
Drexell Hunter Boggs (Univ. of Alabama at Birmingham, USA)

Sponsored by: Varian Medical Systems K. K.

・Luncheon Seminar 30: April 14 (Sun.) 12:00-12:50 (416+417)
「User's experience of medical X-ray dose system "AMDS (Amidas)"」 Moderator: Shigeki Aoki (Juntendo Univ.)
1. Image diagnosis management including radiation dose management Masahiro Ida (Ebara Hosp.)
2. Practical radiation dose management in CT using AMDS Yosuke Kogure (Juntendo Univ. Hosp.)

Sponsored by: Toyo Medic Co, Ltd. / Azemoto Medical, Inc.

・Luncheon Seminar 31: April 14 (Sun.) 12:00-12:50 (F205+206)
「Evolutionary technology of general radiography」 Moderator: Yutaka Imai (Tokai Univ.)
1. Shimadzu's technical approach to general radiography Shouji Takamura (Shimadzu Corporation)
2. Approach to dynamic imaging of general radiography Ryotaro Yuji (Tokai University Hachioji Hosp.)
3. Clinical value of tomosynthesis technology in hand orthopedics
Shinji Tsuchida (Kyoto Prefectural Univ. of Medicine)

Sponsored by: SHIMADZU CORPORATION

Educational Exhibition Programs

April 11 (Thu.)～April 14 (Sun.)

Neuroradiology

E001 MR Angiographic Findings of Posterior Inferior Cerebellar Artery Variations
Akira Uchino */ Dept. of Diagnostic Radiology, Saitama Med. Univ. International Med. Center*

E002 MR Imaging of Autosomal Recessive Spinocerebellar Degeneration in Japan
Makoto Ochi */ Dept. of Radiology, Nagasaki Kita Hospital*

E003 Hemorrhage Due to Cavernous Malformation: Clinical, Imaging and Histopathologic Considerations.
Noriko Kurihara */ Dept. of Radiology, Sendai Medical Center*

E004 Approach the Dural-Based Lesions:From Normal Anatomy, Imaging Manifestation to Various Pathological Conditions
Ming-Tsung Chuang */ Dept. of Diagnostic Radiology, National Cheng Kung University Hospital*

Head and neck

E005 MRI Findings of Salivary Gland Tumors—Pleomorphic Adenomas and Warthin's Tumors and Their Variations—
Jinho Park */ Dept. of Radiology, Tokyo Mediacl University Hachioji Medical Center*

E006 Pleomorphic Adenoma of Salivary Glands: Common and Uncommon CT and MR Imaging Features
Yukiko Takai */ Dept. of Radiology, Gifu University School of Medicine*

E007 Diagnostic Imaging of Jaw Bone Tumors and Mimicking Tumors for Young or General Radiologists
Shunta Ishitoya */ Department of Radiology, Asahikawa Medical University*

E008 Imaging of Warthin's Tumor
Koshi Ikeda */ Dept. of Radiology, The Jikei University School of Medicine*

E009 Usefulness of Ultrasound Elastography in the Diagnoses of Oral and Maxillofacial Diseases
Ichiro Ogura */ Dept. of Oral and Maxillofacial Radiology, The Nippon Dental University School of Life Dentistry at Niigata*

E010 Typical and Atypical Imaging Findings of Chordomas and Prognostic Factors
Tomoaki Sasaki */ Dept. of Radiology, Asahikawa Medical University*

E011 Head and Neck Imaging Manifestations of Granulomatosis with Polyangiitis
Hiroyuki Fujii */ Dept. of Radiology, Jichi Medical University*

E012 Pattern Recognition of Infectious and Inflammatory Diseases of the Sinuses Based on Anatomical Knowledge
Daisuke Yunaiyama */ Department of Radiology, Tokyo Medical University Hospotal*

Chest

E013 Diagnosis Please; Diffuse Lung Diseases Including Idiopathic Interstitial Pneumonias(IIPs)
Keigo Matsushiro */ Dept. of Radiology, Tenri Hospital*

E014 Pulmonary Sarcoidosis: Spectrum of Imaging Findings
Kiyomi Furuya */ Dept. of Radiology, Kyushu Medical Center*

E015 The Utility of Balanced Turbo Field Echo Extension to Visualize the Thoracic Duct
Takakiyo Nomura */ Dept. of Radiology, Tokai University School of Medicine*

E016 Dynamic-ventilation CT: 4-dimensional Diagnostic Approach to Thoracic Diseases Using 320-row CT Scanners
Tsuneo Yamashiro */ Dept. of Radiology, University of the Ryukyus*

E017 Multifaceted Recognition of Dislocated and Superfluous Bronchi
Akitoshi Saito */ Dept. of Radiology, Yamanashi Prefectural Central Hospital*

Cardiovascular

E018 Fontan Procedure
Norihiro Hashizume */ Dept. of Radiology, Showa univ. Northern Yokohama hosp.*

E019 Late Complications and Sequelae in Patients after Surgery for Congenital Heart Disease
Nobuko Tanitame */ Dept. of Diagnostic Radiology, Hiroshima City Hiroshima Citizens Hospital*

Hepatobiliary/Pancreas

E020 Ceftriaxone-associated Biliary Pseudolithiasis in Adults and Review of Its Clinical Significance
Kotaro Yasui */ IVR Center, Okayama Saiseikai General Hospital*

E021 The Appearances of Regenerative Nodules in the Cirrhotic Liver on the Gd-EOB-DTPA Dynamic MRI and GRE T2*WI
Nobukata Kazawa */ Dept. of Radiology, Kansai Medical University School of Medicine*

E022 Radiological Findings of Pancreatic Neuroendocrine Tumors
Yo Kaneko */ Dept. of Radiology, Gifu University School of Medicine*

E023 Added Value of Pancreatic and Biliary Flow MR Imaging When Evaluating Pancreatic and Hepatobiliary Disorder
Reiji Sugita */ Dept. of Radiology, Sendai City Medical Center*

E024 Pictorial Review of Intraductal Papillary Neoplasm of the Bile Duct
Uyama Naoto */ Dept. Radiology, Tokushima Red Cross Hospital*

E025 Imaging of Infiltrative Hepatic Lesions
Kaori Kuriyama */ Dept. of Radiology, Otsu Red Cross Hospital*

E026 Morphometric Changes and Imaging Findings of Diffuse Liver Disease in Relation to Intrahepatic Hemodynamics
Kumi Ozaki */ Dept. of Radiology, Toyama City Hospital*

Gastrointestinal

E027 Imaging Findings of Nontumoral Conditions in the Terminal Ileum
Tamaki Ichikawa */ Dept. of Radiology Tokai University School of Medecine*

E028 CT Imaging of Amebic Colitis: Case-based Imaging Review
Eliko Tanaka */ Dept. of Radiology, Showa University Fujigaoka Hospital*

E029 Imaging Manifestations of Various Diseases on CT Colonography
Keita Fujimoto */ Dept. of Diagnostic Radiology, Ogaki Municipal Hospital*

E030 Clinical Significance of MRI Findings in Patients with Rectal Cancer: An Overview and Update on Recent Advances
Haruo Watanabe */ Dept. of Radiology, Gifu Prefectural General Medical Center*

E031 Double-contrast Radiography of the Small Intestine—The Role in the Diagnosis of Neoplastic Disease
Takahiro Itoh */ Dept. of Radiology, Nara Medical University*

E032 Spectrum of Acute Disorders of the Small Bowel: CT Findings in Comparison with Operative and Pathological Findings
Motoaki Sato */ Dept. of Radiology, Kamagaya General Hospital*

E033 Abdominal Imaging Studies Including Evaluation of Vascular Anatomy
Osamu Sato */ Dept. of Radiology, North Medical Center Kyoto Prefectural University of Medicine*

Uroradiology

E034 Diagnostic Imaging of Solid Renal Tumors
Yasuomi Fujimoto */ Dept. of Radiology, Asahikawa Medical University*

E035 Course of Renal Cysts That Ruptured or Showed Rapid Morphological Changes
Shirou Ishii */ Dept. of Radiology, Fukushima Medical University*

E036 Clinical Significance of MRI/TRUS Fusion-guided Prostate Biopsy Using PI-RADS Version 2
Ichiro Toyota */ Dept. of Radiology, Kanazawa Medical University*

E037 Clinical Utility of Simultaneous PET/MRI and Multiparametric MRI for the Diagnosis of Prostate Cancer: Pictorial Review
Akira Kawashima */ Department of Radiology, Mayo Clinic College of Medicine*

E038 A Review of Imaging Features of Adrenal Lesions
Shinnosuke Mekata */ Dept. of Radiology, Jichi University School of Medicine*

Obstetrics/Gynecology

E039 Diagnostic Imaging of Extragenital Endometriosis
Takahiro Ueda */ Dept. of Radiology, Fujita health university*

E040 Serous Carcinomas of the Ovary: Imaging Findings and Pathologic Correlation
Shigenobu Motoshima */ Depart. of Obstetrics and Gynecology, Kokura Medical Center*

E041 Malignant Transformation of Benign Gynecologic Diseases: Wide Spectrum of Clinical and Imaging Manifestations, Differential Diagnosis and Pitfalls
Mayumi Takeuchi */ Dept. of Radiology, Tokushima University*

E042 MRI Appearance of Normal Myometrium in Pregnant Uteri
Yuko Otake */ Dpt. of Radiology, Jichi Medical University*

Breast

E043 Usefulness of Digital Breast Tomosynthesis Compared to 2D Mammography for Noncalcified Benign Breast Masses
Kazuya Okamura */ Dept. of Radiology, Shimane University Faculty of Medicine*

E044 MRI-Detected Breast Lesions: Clinical Implications and Evaluation with Real-time Virtual Sonography
Kazuaki Nakashima */ Dept. Breast Imaging and Intervention, Shizuoka Cancer Center Hospital*

Musculoskeletal/Emergency

E045 Pictorial Review of Arterial Spin-labeling MR Imaging of Painful Shoulder Disorders
Katsumi Nakamura */ Dept. of Radiology, Tobata General Hospital*

E046 Desmoid-type Fibromatosis: Imaging Findings and Clinical Course
Miho Okuda */ Dept. of Radiology, Kanazawa University Hospital*

E047 Soft Tissue Finger Lesions– Unexpected and Uncommon Diagnoses After Excision
Eu Jin Tan */ Department of Diagnostic Radiology, Singapore General Hospital*

E048 MDCT Evaluation of Severe Pelvic Trauma: A Primer for the Radiology Resident
Ying Liang Low */ Department of Diagnostic Imaging, National University Health System*

Pediatric

E049 CT Findings in Patients with Congenital Heart Disease
Nanako Ogawa */ Dept. of Radiology, Okayama University Hopital*

E050 Fetal MRI for Thoracic and Abdominal Abnormalities
Fumi Kato */ Dept. of Diagnostic and Interventional Radiology, Hokkaido University Hospital*

E051 Foreign Bodies in Children
Shigeko Kuwashima */ Dept. of Radiology, Dokkyo Medical University*

E052 Pediatric Aneurysms
Kenji Ohira */ Dept. of Radiology, Saitama Children's Medical Center*

E053 Radiological Diagnosis of Polydactyly-associated Syndromes
Hiroaki Takahashi */ University of Tsukuba Hospital, Department of Diagnostic and Interventional Radiology*

Miscellaneous

E054 Radiological Features of Noninfectious Inflammatory Disorders Presenting as Fever of Unknown Origin
Chisa Yoneima */ Dept. of Radiology, Nara Prefecture Swiwa Medical Center*

E055 Imaging of Solitary Fibrous Tumor
Naofumi Watanabe */ Dept. of Radiology, Asahikawa Medical University*

E056 Imaging of Wandering Greater Omentum
Tomoya Nishiyama */ Dept. of Radiology, St Luke's International Hospital*

E057 Immunodeficiency-associated Lymphoproliferative Disorders: Clinical and Radiological Features
Takahiko Nakazono */ Dept. of Radiology, Faculty of Medicine, Saga University*

E058 "Fine" Messages from Forgotten "fine" Ligaments of the Abdominal Wall—Have you Heard Their Voice?—
Toshihide Yamaoka */ Dept. of Diagnostic Imaging and IVR, Kyoto Katsura Hosp.*

E059 How to Keep You Healthy; A Diagnostic Radiologist's Efforts with Sarcopenic Obesity
Atsushi Kono */ Dept. of Radiology, National Cerebral and Cardiovascular Center*

Nuclear Medicine

E060 An Investigation of the Relationship between Specific Binding Ratio on DAT SPECT and Hoehn and Yahr Scale in Patients with PD
Atsutaka Okizaki */ Dept. of Radiology, Asahikawa Medical Univesity*

E061 Clinical Role of FDG PET in the Management of Vascular Diseases
Kentaro Takanami */ Dept. of Diagnostic Radiology, Tohoku University Hospital*

E062 The Usefulness ^{18}F-FDG PET/CT for the Diagnosis of Large-vessel Vasculitis
Hayato Kaida */ Dept. of Radiology, Kindai University Faculty of Medicine*

E063 Roles of FDG-PET/CT in Gastric, Esophageal, and Colorectal Cancers and GISTs
Yoshihiro Okumura */ Dept. of Radiology, Okayama Kyokuto Hospital*

E064 Therapeutic Response of Ra-223 of CZT SPECT/CT and DWIBS in Patients with Castration-resistant Prostate Cancer
Michihiro Nakayama */ Dept. of Radiology, Asahikawa Medical University*

E065 FDG-PET/CT During Pregnancy
Takayoshi Ishimori */ Dept. of Diagnostic Imaging and Nuclear Medicine, Graduate School of Medicine, Kyoto University*

E066 Radiological Features of Atypical Femoral Fracture Caused by Bisphosphonate and Denosumab
Yumika Ono */ Dept. of Nuclear Medicine, Kawasaki Medical School*

E067 "Aunt Minnie" approach to FDG-PET/CT image interpretation in the systemic diseases
Koya Nakatani */ Dept. of Diagnostic Radiology, Kurashiki Central Hospital*

E068 The Usefulness of Contrast-enhanced CT in FDG-PET/CT
Kazuhiro Kitajima */ Dept. of Radiology, Hyogo College of Medicine*

E069 Nuclear Medicine Imaging of Adverse Events from Chemotherapy and Immunotherapy
Ba Duong Nguyen */ Dept. of Radiology, Mayo Clinic Arizona*

Radiation Oncology

E070 IMRT Approaches in Radiotherapy to Recurrent Tumors in the Skull base
Munetaka Matoba */ Dept. of Radiology, Kanazawa Medical University*

E071 Late Radiological Changes after CyberKnife Stereotactic Body Radiotherapy for Early-stage Lung Cancer
Masaki Nakamura */ National Cancer Center Hospital East*

Interventional Radiology

E072 Effectiveness of Evaluation with 3D Digital Subtraction Angiography and the Dyna Computed Tomography System for Head and Neck IVR
Takeshi Wada */ Dept. of Radiology, Nara Medical University*

E073 Some Tips and Optimal Techniques of Balloon Assisted Coil Embolization for Visceral Artery Segmental Embolization
Jun Otaka */ Dept. of Radiology, Tokyo Medical University*

E074 Imaging of the Lymphatic Systems for Interventional Radiology
Shuji Kariya */ Dept. of Radiology, Kansai Medical University*

E075 Upper Arm Central Venous Ports: Technical Tips and Tricks
Masaya Miyazaki */ Dept. of Applied Medical Imaging, Gunma University Graduate School of Medicine*

E076 Complications of CT-guided Placement of a Short Hook Wire and Suture System Prior to Video-assisted Thoracic Surgery for a Small Lung Nodule: A Review
Toshihiro Iguchi */ Dept. of Radiology, Okayama University Medical School*

E077 Transjugular Intrahepatic Portosystemic Shunt (TIPS) Placement: a Primer for Residents and Junior Interventional Radiologists
Katsuhiro Kobayashi */ Dept. of Radiology, SUNY Upstate Medical University*

E078 How to Make Radiology and IR (IVR) Bigger in the World
Jiro Terada */ Non institution*

Oral Presentation Programs

April 11 (Thu.)

14:50-15:40 (303)

1. Neuroradiology 1: Techniques/Miscellaneous
Masayuki Maeda

★**001** MR Fingerprinting Study for Evaluation of T1-shortening Effect by High-concentration Oxygen Administration
Toshiaki Taoka */ Dept. of Radiology, Nagoya University*

★**002** Brain Microstructural Abnormalities in Cirrhotic Patients without Overt Hepatic Encephalopathy: A Voxel-based Diffusional Kurtosis Imaging Study
Hua-Jun Chen */ Fujian Medical University Union Hospital*

★**003** Hippocampal Atrophy and Functional Connectivity Disruption in Cirrhotic Patients with Minimal Hepatic Encephalopathy
Hua-Jun Chen */ Fujian Medical University Union Hospital*

★**004** Functional Network-based Statistics Reveal Abnormal Resting-state Functional Connectivity in Minimal Hepatic Encephalopathy
Hua-Jun Chen */ Fujian Medical University Union Hospital*

★**005** Carotid Intima-Media Thickness in Hemodialysis Patients: Two Years of Experience in Indian Population
Pokhraj Prakashchandra Suthar */ Department of Radiology and Imaging Science, Sterling Hospitals*

15:50-16:30 (303)

2. Nuclear Medicine 1: Miscellaneous 2
Teisuke Hashimoto

★**006** Prognostic Utility of the Reduction Rate of FDG PET-based Quantitative Values During Neoadjuvant Chemotherapy in Advanced Ovarian, Tubal and Peritoneal Cancer Patients
Masao Watanabe */ Dept. of Diagnositic Imaging and Nuclear Medicine, Kyoto University*

007 The value of ^{18}F-FDG PET (/CT) in the assessment of patients with post-transplant lymphproliferative disorders
Ayako Kato */ Dept. of Diagnostic Imaging and Nuclear Medicine, Graduate School of Medicine, Kyoto University*

008 The Quantitative Effect on PET Image of Taking Drugs Containing Glucose before FDG-PET
Shozo Okamoto */ Dept. of Radiology, Obihiro Kosei Hospital*

009 Physiological FDG Uptake in the Epiphyseal Lines on Pediatric PET
Tomoaki Otani */ Dept. of Diagnostic Radiology, Kyoto University School of Medicine*

14:40-15:40 (304)

3. Chest 1: Miscellaneous Takahiko Nakazono

010 Challenge of Diagrammatizing the Interlobar Pulmonary Arterial Patterns in the Left Lung Using Thin-section CT and Three-dimensional CT
Makiko Murota */ Dept. of Radiology, Kagawa University School of Medicine*

011 Evaluation of the Branching Pattern of Segmental Pulmonary Artery of the Left Upper Lobe Using MDCT
Mariko Ishimura */ Dept. of Radiology, Faculty of Medicine, Kagawa University*

012 Basic Study Regarding Evaluation of Tracheal Diameter Using Dynamic Chest Radiography Changes during the Expiration Phase
Akinaga Sonoda */ Shiga University of Medical Science*

013 Continuous Change of the Main Bronchial Dimensions and Lung Density in the Lateral Position by Dynamic-ventilation CT: Comparison between Non-COPD Smokers and Nonsmokers
Shigetaka Sato */ Department of Radiolody, Shiga University of Medical Science*

014 Characteristic Findings of Pleuroparenchymal Fibroelastosis-like Lesions in Cases with Interstitial Pneumonia
Hiromitsu Sumikawa */ Department of Radiology, Sakai City Medical Center*

015 Quantitative Three-dimensional Shape Analysis of CT Images of Thymoma: A Comparison with the World Health Organization Classification
Motohiko Yamazaki */ Dept. of Radiology, Niigata University Medical and Dental Hospital*

15:50-16:40 (304)

4. Hepatobiliary/Pancreas 1: CT
Satoshi Goshima

016 Low-voltage (80 kVp) Hepatic Multiphasic CT with Forward-projected Model-based Iterative Reconstruction Solution (FIRST) Decreases Contrast Dose and Radiation Dose by 50%
Haruomi Yamaguchi */ The Department of Radiology, Graduate School of Medicine, The University of Tokyo*

017 Quantitative and Qualitative Evaluation of Imaging Quality of Hepatic Multiphase CT with Three Different Image-reconstruction Techniques, i.e., AiCE, FIRST, and Enhanced AIDR 3D Compared to FBP
Haruomi Yamaguchi */ The department of Radiology, Graduate School of Medicine, the University of Tokyo*

018 High-Resolution Abdominal CT Angiography with a Matrix of 1024 × 1024 Using Ultra-High Resolution CT
Kazuya Ogawa */ Dept. of Radiology, Osaka University*

★**019** Ultra-high-resolution CT with Model-based Iterative Reconstruction Improves Delineation of the Hepatic Arteries, Pancreaticoduodenal Arcade, and Biliary and Pancreatic Ducts
Makiko Nishikawa */ Dept. of Radiology, Kyorin University School of Medicene*

★**020** Modified CT Severity Index in Acute Pancreatitis ? Prognostic Value
Pokhraj Prakashchandra Suthar */ Department of Radiology and Imaging Science, Sterling Hospitals*

★ : English Presentation

14:40-15:40 (311+312)

5. PACS Shuhei Sato

★**021** Utility of PACS Alert System: Provide Safety Measures against Lack of Confirmation of the Image-diagnosis Reports
Hiroyuki Tajiri */ Dept. of Diagnostic Radiology, Ofuna Chuo Hospital*

★**022** Improvement in Radiological Reading Efficiency and Quality by Using the Modified Reading System "Triage Reader": The Second Report
Akira Yamada */ Dept. of Radiology, Shinshu University School of Medicine*

023 Image Interpretation Work From Home Using ICT: Practical Trial in Municipal Hospital
Takeyuki Kushima */ Dept. of Radiology, Hyogo Perfectural Awaji Medical Center*

★**024** Separation Effect of Hardware and Software in PACS Server Update
Hiroshi Kondoh */ Div. of Medical Informatics, Tottori University Hospital*

★**025** Rate of Severe Adverse Drug Reactions to Non-ionic Contrast Media Used During Computed Tomography at Osaka National Hospital
Toru Honda */ Dept. of Radiology, Osaka National Hospital*

026 Effectiveness of Contrast-enhanced Ultrasonography for Predicting Tumor progression in a Rat Liver Tumor Model
Hideyuki Nishiofuku */ Dept. of Radiology, Nara Medical University*

15:50-16:40 (311+312)

6. Radiation Oncology 1: Gynecology/Breast Tomoaki Tamaki

★**027** Treatment Results for Cervical Cancer Treated with Definitive Radiotherapy Including MRI-based Image Guided Brachytherapy
Kenji Yoshida */ Division of Radiaion Oncology, Kobe University Hospital*

028 Investigation of The Clinical Target Volume of Radiotherapy for Postoperative Cervical Carcinoma
Tatsuhiko Saito */ Dept. of Radiology,Tokyo Medical University*

029 Prospective Study of Definitive Radiotherapy Consisting of Whole Pelvis External Beam Therapy without Midline Block and Three-dimensional Image-guided Brachytherapy for Uterine Cervical Cancer
Takeaki Kusada */ Dept. of Radiology, University of the Ryukyus Hospital*

★**030** Salvage Radiotherapy with a New Radio-sensitizer (KORTUC) for Two Breast Cancer Cases
Shiro Obata */ Dept. Radiology and Radiotherapy, Nagasaki Prefecture Shimabara Hosp.*

031 Evaluation of Lung and Body Surface Displacement During Deep Inspiration Breath-hold (DIBH) Using a Cine Electric Portal Imaging Device in Breast Cancer Patients
Yuka Ono */ Department of Radiation Oncology, Kyoto University*

15:50-16:40 (313+314)

7. Interventional Radiology 1: CNS/Cryotherapy Masaya Miyazaki

032 MR-guided Focused Ultrasound Treatment for Medication-refractory Epilepsy: Early Clinical Experience
Toshio Yamaguchi */ Reserch Institute of Diagnostic Radiology, Shin-Yurigaoka General Hospital*

033 MR-guided Focused Ultrasound Pallidothalamic Tract (PTT) Ablation for Advanced Parkinson's Disease: A Feasibility and Safety Study
Toshio Yamaguchi */ Reserch Institute of Diagnostic Radiology, Shin-Yurigaoka General Hospital*

034 MR-guided Focused Ultrasound Ventro–oral Thalamotomy for Focal Hand Dystonia (musician's dystonia): Safety and Feasibility Study in 10 Patients
Toshio Yamaguchi */ Reserch Institute of Diagnostic Radiology, Shin-Yurigaoka General Hospital*

035 Iceball Formation in Intersected Position of Two Cryoprobes: Freezing Experiments Using Tissue Phantom
Masanori Yamashita */ Dept. of Radiology, Kyoto Prefectural University of Medicine*

036 Complications Requiring Additional Treatments after Percutaneous Cryoablation for Renal Tumors
Yusuke Nakamura */ Dept. of Diagnostic and Interventional Radiology, Tonan Hospital*

April 12 (Fri.)

9:40-10:20 (311+312)

8. Hepatobiliary/Pancreas 2: Liver Akihiro Nishie

★**037** Focused MRI Protocol for a Rapid Screening of HCCs in Patients with Chronic Liver Disease: a Feasibility Study
Takahiro Sato */ Dept. of Radiology, University of Yamanashi*

★**038** IDEAL-IQ Technique Diagnoses Nonalcoholic Fatty Liver Disease in Patients with OSAS
Mo Xukai */ The First Affiliated Hospital Jinan University*

★**039** Assessment of Relationship between Parameters Derived from CT Perfusion Imaging and Diffusion-weighted Imaging (DWI) in Pancreatic Insulinoma
Hongliang Sun */ Dept. of Radiology, China-Japan Friendship Hospital*

★**040** Quality Evaluation of CT Nonrigid Subtraction Technique in Hepatic Vascular
Yan Zi */ Dept. of Radiology, The First Affiliated Hospital of Sun Yat-Sen University*

11:00-11:40 (311+312)

9. Nuclear Medicine 2: Miscellaneous 1 Munenobu Nogami

041 Is CIScore Effective in Diagnosing Dementia with Lewy Bodies (DLB) Showing Unilateral Occipital Blood Flow Decrease?
Gaku Honda */ Department of Radiology, Fukuoka University Hospital*

042 Changes in Regional Cerebral Blood Flow in Basal Ganglia before and after Deep Brain Stimulation (DBS) Treatment in Patients with Refractory Parkinson's Disease
Masanari Nonokuma */ Dept. of Radiology, Fukuoka University Hospital*

043 Clinical Significance of Follow-up FDG-PET/CT after Curative Treatment for HPV-associated Oropharyngeal SCC
Kousuke Kitaguchi */ Dept. Radiology, Kyoto University Graduate School of Medicine*

★**044** Value of Texture Features of ^{18}F-FDG-PET/CT Imaging for Differentiating between Benign and Malignant Pulmonary Lesions
Masatoyo Nakajo */ Department of Radiology, Graduate School of Medical and Dental Sciences, Kagoshima University*

9:40-10:20 (313+314)
10. Chest 2: Lung nodule/Miscellaneous Masahiko Kusumoto

★**045** Preliminary Result of Peripheral Lung Movement Analyzed by Dynamic-ventilation CT: Comparison between Ventral and Dorsal Regions
Yukihiro Nagatani */ Dept. of Radiology, Shiga University of Medical Science*

★**046** One-step Energy Spectral and Perfusion Imaging in Diagnosis of Solitary Pulmonary Nodule
Lin Li */ Radiology, Liaoning Cancer Hospital & Institute*

★**047** Evaluation of Correlation between Iodine Distribution Value and Perfusion Parameters in Lung Cancer by CT Dynamic Spectroscopy
Lin Li */ Radiology, Liaoning Cancer Hospital & Institute*

★**048** The Value of Multi — phase Enhancement Scanning of 320 — row VolumeCT Combined with CTA in Diagnosing Pulmonary Mass
Yan Zhang */ Dept. of CT, Shaanxi Provincial People's Hospital*

11:00-11:40 (313+314)
11. Neuroradiology 2: Analysis Takashi Yoshiura

★**049** Machine Learning with Convolutional Neural Networks on Brain MRI for Differential Diagnosis of Common Brain Tumors
Yoshiyuki Watanabe */ Dept. of Future Diagnostic Radiology, Osaka University School of Medicine*

★**050** Deep Convolutional Neural Network-based Computer-assisted Diagnosis System for Brain Magnetic Resonance Images with Diffuse or Multiple Lesions: A Feasibility Study
Jun Oyama */ Dept. of Radiology, Tokyo Medical and Dental University*

★**051** Deep Learning-assisted Diagnosis of Hyperdense MCA Sign in Acute Ischemic Stroke: Comparison with Readers' Performance
Yuki Shinohara */ Dept. of Radiology and Nuclear Medicine, Research Institute for Brain and Blood Vessels-Akita*

★**052** Histological Grade of Meningioma: Prediction by IVIM Histogram Parameters
Manisha Bohara */ Dept. of Radiology, Kagoshima University*

9:40-10:20 (F205+206)
12. Cardiovascular 1: Vascular Kenichi Yokoyama

★**053** The Mismatch of Flow between the Main Pulmonary Artery and Ascending Aorta in Patients after Repair of Tetralogy of Fallot
Shigeo Okuda */ Dept. of Radiology, Keio University School of Medicine*

★**054** Efficacy of Retrospective ECG-gated CTA for Detection of Intimal Tear in Stanford Type-A Communicating Aortic Dissection
Kenji Nishida */ Department of Diagnostic Radiology, Tsuchiura Kyodo General Hospital*

★**055** Effect of Coronary Heart Disease on the Distensibility of Ascending Aorta, Descending Aorta and Pulmonary Artery using 640 slice-Volume CT
Fei Yang */ Department of Medical Image, First Affiliated Hospital of Hebei North University*

★**056** Analysis of Distensibility Characteristics of Pulmonary Artery in PE Patients Using 640 Slice-Volume CT
Shujun Cui */ The First Affiliated Hospital of Hebei North University*

11:00-11:40 (F205+206)
13. Cardiovascular 2: Coronary Artery Noriko Oyama-Manabe

★**057** Reproducibility of Computed Tomography -Derived Fractional Flow Reserve with Postprocessing Software Based on Structural and Fluid Analysis
Junzhen Liu */ Dept. of Radiology, Zhongshan Hospital, Fudan University.*

★**058** On-site CT-derived FFR for the Prediction of Hemodynamic Significance in Intermediate Lesions: Comparison with SPECT Myocardial Perfusion Imaging for the Detection of Ischemia-causing Lesion
Weifeng Guo */ Departments of Radiology, Zhongshan Hospital, Fudan University*

★**059** Influence of Vessel Length on Transluminal Attenuation Gradient in Coronary CT Angiography Using 320-slice CT and Diagnostic Value Compared with Invasive Coronary Angiography
Nan Xu */ Department of Radiology, Shanghai East Hospital, Tongji University School of Medicine*

★**060** Feasibility Study of Single Cardiac Cycle Coronary Angiography in Free Breathing Patients
Mo Xukai */ The First Affiliated Hospital Jinan University*

15:05-15:55 (311+312)
14. Neuroradiology 3: Vessel/Perfusion Hisashi Tanaka

★**061** The Impact of Ultra-high-resolution CT on the Evaluation of Small Intracranial Arteries: Preliminary Results
Akira Yogi */ Dept. of Radiology, University of the Ryukyus Hospital*

★**062** Noninvasive Evaluation of Collateral Circulation and Prognosis in Acute Stroke Patients Using 4D CTA
Ruoyao Cao */ Dept. of Radiology, Beijing Hospital*

★**063** Delayed time-density Curve in Acute Ischemic Stroke Patients with Severe Cardiogenic Diseases May Result in Abnormal Perfusion Results
Juan Chen */ Department of Radiology, CT Room, Beijing Hospital*

★**064** Quantitative Analysis of CT Perfusion in Predicting Prognosis of Acute Cerebral Infarction
Dan Wei */ 58 Zhongshan Second Road, Guangzhou, Guangdong Province*

★**065** Relationship between Pulsation of Cerebral Aneurysm and Aneurysmal Wall Enhancement in Patients with Unruptured Intracranial Aneurysms
Lingling Wang */ Department of Radiology, Renji hospital, School of Medicine, Shanghai Jiao Tong University*

★ : English Presentation

16:00-17:00 (311+312)

15. Neuroradiology 4: Techniques

Masafumi Kanoto

066 Consecutive Acquisition of CT Perfusion, CT Arteriography, and CT Venography for a Brain Tumor on a 64-row MDCT by Determining the Contrast Agent Dose Based on Patient Body Weight
Kazuhiro Tsuchiya */ Dept. of Radiology, Saitama Medical Center, Saitama Medical University*

067 Deviation of Intracranial Structures between Sitting and Supine Positions Scanned with Upright and Conventional CT
Yoichi Yokoyama */ Dept. of Radiology, Keio University School of Medicine*

068 Usefulness of Color-coded 4D-CTA Detecting Feeding Arteries and Vascularity of Meningiomas: Compared with Digital Subtraction Angiography
Takuya Fujiwara */ Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine*

069 High-temporal Resolution Dynamic Contrast-Enhanced MRI: Quantitative Comparison of Pituitary Adenoma and Normal Pituitary Gland
Kiyohisa Kamimura */ Dept. of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences*

070 Pediatric Intracranial Tumor Grading: Comparison of ADC, IVIM, and APT Using Histogram Analysis
Kazufumi Kikuchi */ Dept. of Clinical Radiology, Graduate School of Medical Sciences, Kyushu University*

★**071** Imaging Quality of Helical Head CT Using Third-Generation CT Machines in Children
Tetsu Niwa */ Dept. of Radiology, Tokai University School of Medicine*

17:10-18:00 (311+312)

16. Musculoskeletal 1: Miscellaneous

Tamotsu Kamishima

★**072** Effects of Menstrual Status and Age on Dynamic Contrast-enhanced MR Imaging of Pelvic Bone Marrow in Adult Women
Xiao Miao Zhang */ Department of Radiology, LiaoNing Cancer Hospital, China Medical University*

★**073** Impact of Age and Menstrual Status on ADC of Pelvic Bone marrow in adult women
HuiTing Pang */ Dept. of Radiology, Cancer Hospital of China Medical University*

★**074** Assessment of Pelvic Bone Marrow Changes in Patients with Locally Advanced Cervical Cancer After Concurrent Chemoradiotherapy: Diffusion Magnetic Resonance Imaging
Yanyan Yu */ Department of Radiology, Liaoning Cancer Hospital & Institute*

★**075** Assessment of Instability in Patients with Spondylolysis or Isthmic Spondylolisthesis Using Positional MRI
Pascal Niggemann */ Department of Radiology, Diakonissenkrankenhaus Mannheim*

★**076** Use of Positional MRI in Patients with Lumbar Spinal Canal Stenosis
Pascal Niggemann */ Department of Radiology, Diakonissenkrankenhaus Mannheim*

15:05-15:55 (313+314)

17. Breast 2: Tumor/Miscellaneous

Shuichi Monzawa

077 MRI Texture Analysis of Triple Negative Breast Cancer: Association with Survival Outcomes
Saki Kamiya */ Dept. of Radiology, Nagoya University Graduate School of Medicine*

★**078** Peritumoral Delayed Rim Enhancement on Magnetic Resonance Imaging of Invasive Breast Carcinomas: Quantitative Evaluation of Delayed Peritumoral Enhancement
Roka Matsubayashi Namoto */ Breast Care Center and Department of Radiology, National Hospital Organization Kyushu Medical Center*

079 Utility of T1-Weighted Imaging and T2-Weighted Fat Imaging for the Diagnosis of Intramammary Lymph Nodes
Yuka Kikuchi */ Dept. of Radiology, Soka Municipal Hospital*

★**080** Diagnostic Value of 18F-FDG-PET/CT Using Time-of-Flight for Evaluating Axillary Lymph Node Metastasis in Breast Cancer Patients
Mio Mori */ Dept. of Radiology, Tokyo Medical and Dental University*

★**081** Impact of the Relationship between FDG-PET and the New Prognostic Staging of Breast Cancer
Kazunori Kubota */ Department of Diagnostic Radiology, Medical Hospital, Tokyo Medical and Dental University*

16:00-16:40 (313+314)

18. Breast 3: Miscellaneous Hiroko Kawashima

★**082** DWIBS Mammography for Women with Dense Breasts
Takayoshi Uematsu */ Dep. of Breast Imaging/Intervention, Shizuoka Cancer Center*

★**083** Analysis of Radiation Dosage for Patients with Dense Breast and Phantom Study Using Full Field Digital Mammography
WITHDRAWN
Cao guo Quan */ Department of Radiology, The First Affiliated Hospital of Wenzhou Medical University*

★**084** Preliminary Application of Artificial Intelligence (AI) Diagnosis of Benign and Malignant Lesions on Mammography
Xiaoling Zhang */ First Hospital of Sun Yat-sen University*

★**085** Deep-learning Image Analysis with a Convolutional Neural Network for Distinguishing Between Benign and Malignant Tumor Using Breast Ultrasound
Tomoyuki Fujioka */ Dept. of Radiology, Tokyo Dental and Medical University*

16:50-17:50 (313+314)

19. Obstetrics/Gynecology 1: Tumor

Kaori Togashi

★**086** MRI Radiomics Machine-learning Approach for Predicting Locoregional Control in Locally Advanced Uterine Cervical Cancer after Definitive Radiotherapy Using Multicenter MRI Data
Akiyo Takada */ Department of Radiology, Chiba University Hospital*

★**087** A Radiomics Model for Predicting Pelvic Lymph Node Metastasis in Early-stage Cervical Squamous Cell Carcinoma
Yanyan Yu */ Department of Radiology, Liaoning Cancer Hospital & Institute*

★**088** Evaluation of 1H-MRS in the Diagnosis of Cervical Intraepithelial Neoplasia and Cervical Cancer
Yanyan Yu */ Department of Radiology, Liaoning Cancer Hospital & Institute*

★**089** Accuracy of MR Imaging in Measuring the Size of Stage IB1 Cervical Carcinoma
Rui Zhang */ Department of Radiology, China Medical University, Liaoning Cancer Hospital*

★**090** A Primary Study of the Volume CT Perfusion in Predicting Treatment Response in Patients with Cervical Squamous Carcinoma Treated by Chemotherapy and Radiation Therapy
Tong Rui Dong */ Radiology Department, Cancer Hospital of China Medical University*

★**091** Imaging Features of the Whole Uterus Volume CT Perfusion and Influence Factors of Blood Supply: A Primary Study in Patients with Cervical Squamous Carcinoma
Yue Dong */ Radiology Department, Cancer Hospital of China Medical University*

April 13 (Sat.)

9:40-10:20 (311+312)
20. Interventional Radiology 2: Miscellaneous Koji Sugimoto

092 The Influence of full PETTICOAT TEVAR for aortic dissection on abdominal aortic branches
Atsushi Yoshida */ Dept. of Radiology, Tenri Hospital*

★**093** Transradial Non-Coronary Interventions: Ischaemic Stroke Complications in the Elderly - A Single Centre Retrospective Review

Gavin Lim */ Dept. of Radiology, Tan Tock Seng Hospital*

★**094** Early Local Experience of Prostatic Artery Embolization as Treatment of Urinary Retention: A Radiologist's Perspective
Kathy Wing in Sit */ Department of Radiology and Organ Imaging, United Christian Hospital*

095 Vascular Phantom Study to Depict Submillimeter Small Arteries on Transarterial CT: MDCT Versus Cone-beam CT
Toshiyuki Irie */ Department of Radiology, Mito General Hospital*

11:00-11:40 (311+312)
21. Breast 1: MRI Mariko Goto

★**096** Evaluation of Breast Lesions Using High-resolution DWI and T2/T1WI: Comparison with a Full MRI Protocol Including DCE-MRI
Ayami Ohno Kishimoto */ Diagnostic Imaging and Nuclear Medicine, Graduate School of Medicine, Kyoto University*

★**097** Efficacy of Dynamic Contrast-enhanced MRI in Quantitative Assessment of Benign and Malignant Non-mass Breast Lesions with Microcalcifications
Xiaowen Ma */ Department of Radiology, Cancer Hospital of China Medical University*

★**098** Application Value of Hemodynamics and Radiomics Based on DCE-MRI in Predicting the Recurrence Time of Breast Cancer
Wei Niu */ Radiology department, Cancer Hospital of China Medical University*

★**099** Quantitative DCE-MRI Technique Applied to Evaluate the Effect of Neoadjuvant Chemotherapy in Locally Advanced Breast Cancer
Tengfei Peng */ Dept. of Medical Imaging, Cancer Hospital Of China Medical University*

9:40-10:20 (313+314)
22. Head and Neck Takuro Horikoshi

100 A Radiographic Study on Prevalence of Pediatric Superior Semicircular Canal Dehiscence
Yang Wang */ Dept. of Diagnostic Radiology, Hyogo Prefectural Amagasaki General Medical Center*

101 3D Reversed Fast Imaging with Steady-state Precession Diffusion-weighted Imaging for Detecting Middle Ear Cholesteatomas
Minako Azuma */ Departments of Radiology, Faculty of Medicine, University of Miyazaki*

102 Ultra-high-resolution CT Scan for Assessment of Head and Neck Cancer; Possibility of Improving Diagnostic Performance
Koiku Asakura */ Div. of Diagnostic Radiology, Shizuoka Cancer Center*

103 ADC Analysis for Pleomorphic Adenoma and Carcinoma ex Pleomorphic Adenoma: Influence of Radiologists' Performance on Reliability and Diagnostic Performance of Conventional and Radiomics Approach
Takeshi Wada */ Dept. of Diagnostic imaging, Cancer Institute Hospital of JFCR*

11:00-11:40 (313+314)
23. Artificial Intelligence Naoto Hayashi

104 Classification of Common Anatomical Variant of Major Vessels on Plain Chest Radiograph by Using Several Deep-learning Techniques
Takeyuki Watadani */ Dept. of Radiology, The University of Tokyo School of Medicine*

105 Deep Learning for Detecting Lung Cancers in Chest Radiographs
Akitoshi Shimazaki */ Dept. of Diagnostic and Interventional Radiology, Osaka City University Graduate School of Medicine*

106 Preliminary Study of Automated Pulmonary Mass Detection in Chest Radiography Using U-Net
Yukihiro Nomura */ Dept. of CDRPM, The University of Tokyo Hospital*

107 Evaluation of a Deep Learning-Based Computer-Aided Detection System for Detecting Lung Nodules in Chest CT Scans
Shichiro Katase */ Dept. of Radiology, Kyorin University Hospital*

9:40-10:30 (315)
24. Chest 3: Lung Nodule Shuji Sakai

★**108** Study on the Relationship Between Peak Time of Iodine Value and Intensification Peak Time of Pulmonary Artery and Aorta in Solitary Pulmonary Nodule Dynamic Spectroscopy
Lin Li */ Radiology, Liaoning Cancer Hospital & Institute*

★**109** One-stop Scanning of CT Dynamic Energy Spectrum in Pathological Classification of Lung Cancer
Lin Li */ Radiology, Liaoning cancer Hospital & Institute*

★ : English Presentation

★**110** Application Value of Toshiba 320 Variable mA in Low Dose Screening Physical Examination of Pulmonary Nodules
Zhang Feng Fang */ China Dep. of Radiology*

★**111** Diagnostic Value of 320-row Volume CT Single and Dual-input Combination Mode of Whole Tumor Perfusion Parameters for Solitary Nodes in the Lung
Bing Ge */ Department of Radiology, Third People's Hospital of Honghe Prefecture*

★**112** Characterizing Non-small-cell Lung Cancer (NSCLC) with Different EGFR Mutational Status: Dual-energy Computed Tomography (DECT) Preliminary Findings
Hongliang Sun */ Dept. of Radiology, China-Japan Friendship Hospital*

11:10-11:50 (315)
25. Pediatric 1: Miscellaneous Noriko Aida

★**113** Comparison of Cumulative Doses between Plain Chest Film and CT in Children with congenital Heart Disease in a Japanese University Hospital Setting.
Eriko Maeda */ Dept. of Radiology, University of Tokyo School of Medicine*

114 3DCT for Prenatal Diagnosis of Fetal Skeletal Dysplasia: Dose Evaluation Using Custom-made Phantom Corresponds to Pregnant Woman and Fetus
Osamu Miyazaki */ Dept. of Radiology, National Center for Child Health and Development*

★**115** New Iterative Reconstruction Algorithm on Lumbar Metal Noise Reduction in Children
Ya xin Zhu */ Radiology*

★**116** Utility of High Frequency Ultrasound in Cases of Ambiguious Genitalia Due to Congenital Adrenal Hyperplasia.
Vishal Kantilal Kumat */ Prince Aly Khan Hospital*

9:40-10:20 (F205+206)
26. Nuclear Medicine 3: Cardiovascular Tadaki Nakahara

117 Usefulness of Regional Phase Analysis for Predicting Restenosis after Percutaneous Coronary Intervention
Tamasa Terada */ Dept. of Radiology, Faculty of Medicine Miyazaki University*

★**118** Improvement of Estimation of Coronary Flow Reserve in the Ischemic Myocardial Lesion with ECG-gated Dynamic Myocardial PET with 15O-H2O: Comparison with Conventional Non-gated PET
Chietsugu Katoh */ Faculty of Health Sciences, Hokkaido University School of Medicine*

119 Microsphere Model with Linearization Correction for Estimation of Myocardial Blood Flow in N-13 Ammonia PET.
Noriyuki Shuke */ Dept. of Radiology, Kushiro Kojinkai Memorial Hospital*

★**120** Comparison of FDG Uptake of Left Ventricular Myocardium between First and Second FDG-PET Studies
Tatsuya Yoneyama */ Divi. of Thyroid, Public Central Hospital of Mattou Ishikawa*

11:00-11:40 (F205+206)
27. Cardiovascular 3: Miscellaneous Norihiko Yoshimura

121 Utility of Contrast-enhanced Subtraction MRI for Endoleak Detection after Sac Embolization during or after Endovascular Abdominal Aortic Aneurysm Repair
Atsufumi Kamisako */ Department of Radiology, Wakayama Medical University*

122 Intra-Individual Comparison of Areas of the Vena Cava and Aorta Between Standing and Supine Positions Scanned using 320-detector-row Upright and Conventional CT
Yoshitake Yamada */ Dept. of Radiology, Keio University School of Medicine*

★**123** MDCT Angiography of Upper Extremity with the Contrast Material Administration from the Ipsilateral Arm in Assessment of Native Hemodialysis Access Failure: Comparison with DSA
Motoyuki Katayama */ Dept. of Radiology, Seirei Hamamatsu General Hospital*

★**124** Epicardial Fat Volume in Multi Detector CT ? As an Independent Risk Factor for Coronary Atherosclerosis
Pokhraj Prakashchandra Suthar */ Department of Radiology and Imaging Science, Sterling Hospitals*

13:30-14:10 (311+312)
28. Technique/Miscellaneous Norio Nakata

125 Artificial Intelligence Using Neural Network Architecture(AINNAR): A Fundamental Study about the Optimized Division Number in the K-fold Cross Validation Test.
Tomoyuki Noguchi */ Dept. of Radiology, National Center for Global Health and Medicine*

126 Evaluation of Calcifications in Mammograms Adopted Super Resolution via Deep Learning
Takashi Honjo */ Dept. of Diagnostic and Interventional Radiology, Osaka City Graduate School of Medicine*

127 The Utility of POCS Reconstruction with Weighted Signal Averaging to Improve Image Qualities and Reduce Artifacts in Diffusion-weighted Imaging of the Liver
Noriaki Nagata */ Dept. of Radiology, University of Yamanashi*

★**128** Whole-body Bone Marrow DWI Correlates with Age, Anemia, and Hematopoietic Activity
Tetsuya Tsujikawa */ Biomedical Imaging Research Center, University of Fukui*

14:30-15:20 (311+312)
29. Musculoskeletal 2: Techniques Taiki Nozaki

★**129** Detecting Hip Fractures on Radiography with a Deep Learning System; Initial Clinical Experience Comparing between DLS Alone and Readers
Yoshiko Hayashida */ Dept. of Radiology, University of Occupational and Environmental Health*

130 Feasibility of Detecting bone Marrow Edema during Visual and Quantitative Analyses of Vertebral Compression Fractures by Dual Energy CT in Patients Aged Less Than 50 years
Shinichi Nakamura */ Dept. of Radiology, Kumamoto Rousai Hospital*

131 Effect of Patient-related and CT-examination-related Factors on Detectability of Bone Metastases Using CT with and without Temporal Subtraction
Mizuho Nishio */ Preemptive Medicine and Lifestyle-Related Disease Research Center, Kyoto University Hospital*

★**132** Utility of Single-energy Metal Artifact Reduction with a 320-MDCT Volume Scanner for Evaluation of Reduction Effect of Various Site Metal Artifacts
Jiang hui Duan */ Dept. of Radiology, CHINA-JAPAN Friendship Hospital*

★**133** Exploring Different KeV in Monoenergetic Extrapolation in Dual-energy CT for Metallic Artifact Reduction in Patients with Lumbosacral Spine Implants
Ka Yin Gregory Lee */ Department of Radiology, Pamela Youde Nethersole Eastern Hospital*

17:10-18:20 (311+312)

30. Radiation Oncology 2: Uroradiology
Hiromichi Ishiyama

★**134** Prospective Clinical Trial of 12-fraction Carbon Ion Radiotherapy for Primary Renal Cell Carcinoma
Goro Kasuya */ Hospital of the National Institute of Radiological Sciences, National Institutes for Quantum and Radiological Science and Technology*

135 The Impact of Hydrogel Spacer on I-125 Prostate Brachytherapy Combined with External Beam Radiotherapy.
Takashi Soyano */ Dept. of Radiology, National Tokyo Medical Center*

136 Dosimetric Impact of a Rectal Hydrogel Spacer in LDR Brachytherapy for Prostate Cancer
Nana Natsume */ Tokyo Medical Center*

137 Retrospective Analysis about Safety of Hypofractionated Postoperative IMRT for Prostate Cancer
Subaru Sawayanagi */ Dept. of Radiology, Faculty of Medicine, The University of Tokyo*

138 Updated Long - term Outcomes after Carbon Ion Radiotherapy for Primary Renal Cell Carcinoma
Goro Kasuya */ Hospital of the National Institute of Radiological Sciences, National Institutes for Quantum and Radiological Science and Technology*

139 High-dose-rate Brachytherapy Monotherapy versus Low-dose-rate Brachytherapy with or without External Beam Radiotherapy for Clinically Localized Prostate Cancer
Hideya Yamazaki */ Department of Radiology, Graduate School of Medical Science, Kyoto Prefectural University of Medicine*

★**140** Hydrogel Spacer within the Perirectal Space during Radiotherapy for Prostate Cancer: Anatomical Distribution and Rectal Dose Reduction
Hirofumi Toyama */ Dept. of Radiology, National Tokyo Medical Center*

14:20-15:00 (313+314)

31. Uroradiology 1: Prostate/Miscellaneous
Yoshifumi Narumi

★**141** Prognostic Impact of Quantitative Bone SPECT/CT for Patients with Metastatic Castration-resistant Prostate Cancer Undergoing Enzalutamide Therapy
Yoshimitsu Fukushima */ Dept. of Radiology, Nippon Medical School*

★**142** Radium-223 Therapy for Patients with Metastatic Castrate-Resistant Prostate Cancer (CRPC) -Monitoring with Whole Body MRI (WB-MRI) Including DWI-
Katsuyuki Nakanishi */ Dept. of Diagnostic & Interventional Radiology, Osaka International Cancer Institute*

★**143** Comprehensive Evaluation of Prostate MRI Using Machine Learning
Alexander Ushinsky */ Department of Radiological Sciences, University of California*

★**144** Diffusion-Weighted MR Imaging (DWI) for Assessing Renal Dysfunction in Cholangiocarcinoma Patients
Jaturat Kanpittaya */ Department of Radiology, Faculty of Medicine, Khon Kaen University*

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

32. Uroradiology 2: Miscellaneous
Satoru Takahashi

145 CT and MRI Features of Chromophobe Renal Cell Carcinoma
Nobukata Kazawa */ Dept. of Radiology, Kansai Medical University School of Medicine*

146 Is Zoomed DWI Improves the Diagnosis of T Staging of Bladder Cancer?
Hiroshi Juri */ Dept. of Radiology, Osaka Medical College*

147 Deep Learning with Convolutional Neural Network for Automated Segmentation of Renal Arteries: Initial Experience
Takashi Ota */ Department of Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine*

★**148** Subcapsular Beaded Appearance of the Kidney on Contrast Enhanced CT: Indicative for Dilated Subcapsular Lymphatics?
Christopher Silman */ Dept of Radiology*

★**149** Urinary Stone Characteristics by an Urosurgeon and a Radiologist: a Comparative Analysis
Pokhraj Prakashchandra Suthar */ Department of Radiology and Imaging Science, Sterling Hospitals*

13:10-14:10 (315)

33. Interventional Radiology 3: Embolization
Yasufumi Ohuchi

150 Whole-Liver Transcatheter Arterial Chemoembolization with Cisplatin Fine Powder and Trisacryl Gelatin Microsphere for Treating Unresectable Multiple Hepatocellular Carcinoma
Akihiro Imamura */ Division of Diagnostic Imaging, Chiba Cancer Center*

151 Embolization of the Puncture Tract after Portal Venous Interventions: Comparison between Coils and N-butyl Cyanoacrylate
Shuto Miyamura */ Dept. of Radiology, Nagasaki University Hospital*

152 Transarterial Chemoembolization (TACE) with CDDP-loaded HepaSpheres for Large Hepatocellular Carcinoma
Noboru Maeda */ Dept. of Diagnostic and Interventional Radiology, Osaka International Cancer*

153 Assessment of Angiography for Jejunal and Ileal Arterial Bleeding
Shinjiro Harayama */ Dept. of Radiology, Tokyo Metropolitan Tama Medical Center*

★ : English Presentation

154 Optimal Follow-up Plan After Embolization of Renal Angiomyolipomas
Yukichi Tanahashi */ Dept. of Radiology, Gifu University Hospital*

155 Clinical Results of Transarterial Embolization for Postpartum Hemorrhage
Yasuyuki Ono */ Dept. of Radiology, Kansai Medical University*

14:20-15:10 (315)

34. Interventional Radiology 4: Vein/Miscellaneous Shiro Miyayama

156 Patency after Balloon Percutaneous Transluminal Angioplasty of Access Circuits and Venous Routes Using CO2-DSA Versus Conventional DSA (C-DSA) in Hemodialysis Patients
Yutaro Tasaki */ Department of Radiology, Nagasaki University Hospital*

157 An Alternative Method in the Case That Right Adrenal Vein Selection Is Difficult in Adrenal Venous Sampling
Akira Yamamoto */ Dept. of Radiology, Kawasaki Medical School*

158 Evaluation of Puncture Points and Port Placement Sites to Prevent Catheter Fracture via the Right Internal Jugular Vein
Kazuya Matsunari */ Department of Radiology, Showa University Northern Yokohama Hospital*

159 Robotically Driven out-of-plane Needle Insertion: Phantom and Animal Experiments
Toshiyuki Komaki */ Dept. Radiology, Okayama University Medical School*

160 Transarterial Palliative Local Chemotherapy for Symptomatic Recurrent Cancer
Akihiko Seki */ Dept. of Medical Oncology, Suita Tokushukai Hospital*

13:10-14:10 (F205+206)

35. Radiation Oncology 3: Miscellaneous Kazuhiko Ogawa

★**161** Analysis of Survival in the Patients Treated with Radiotherapy for Bone Metastases Based on the Modified Glasgow Prognostic Score
Tomohiro Katagiri */ Dept. of Radiat Oncol, Shizuoka City Shizuoka Hospital*

★**162** Hematopoietic Stem-cell Transplantation with Brain-shielding Total-body Irradiation as Treatment to Adrenoleukodystrophy
Ryosuke Takenaka */ Dept. of Radiology, the University of Tokyo Hospital*

★**163** Imaging of Primary and Metastatic Tumors and Their Treatment Through Targeted Immunotherapy Using Maleimide-Antigen-Capturing Nanoparticles
Satoshi Harada */ Dept. of Radiology, Iwate Mdical University School of Medicine*

164 Evaluation of Radiotherapy Treatment Planning Based on Functional Imaging Using Xe-CT
Nobuko Utsumi */ Dept. of Radiation Oncology, Saitama Medical Center, Saitama Medical Univ.*

165 The Effect of Consulting for a Second Opinion on the Treatment Satisfaction of Cancer Patients
Masanari Minamitani */ Dept. of Radiology, Tokyo University*

166 Achievements of a Radiation Oncology Seminar for Medical Students and Residents by JASTRO
Satoaki Nakamura */ Dept. of Radiology, Kansai Medical University*

14:30-15:20 (F205+206)

36. Gastrointestinal Masanobu Mizuguchi

★**167** "Wall-carving Technique" of CT Gastrography for Gastric Cancer: Impact of Contrast Enhancement Based on Layer Depth
Daisuke Tsurumaru */ Dept. of Clinical Radiology, Graduate School of Medical Sciences, Kyushu University*

★**168** Radiogenomics Predicts the Expression of MicroRNA-1246 in the Serum of Patients with Esophageal Squamous Cell Carcinoma
Hajime Yokota */ Dept. of Radiology, Chiba University Hospital*

★**169** Prediction of KRAS Mutation for Rectal Carcinoma: Preoperative Enhanced Multiple-Slice Computed Tomography and Histopathological Correlation
Chenyu Song */ Department of Radiology, The First Affiliated Hospital, Sun Yat-Sen University*

★**170** Quantitative Intravoxel Incoherent Motion Parameters Derived from Whole-tumor Volume for Assessing Pathological Complete Response to Neoadjuvant Chemotherapy in Locally Advanced rectal cancer
Qiaoyu Xu */ Dept. of Radiology, Beijing Chao-Yang Hospital*

171 Evaluation of Somatostatin Receptor Scintigraphy Using ^{111}in- pentatreotide
Maya Oki */ Radiology, SUMS*

April 14 (Sun.)

9:20-10:20 (311+312)

37. Chest 4: CT・CR Katsuya Kato

172 Usefulness of Bone Suppression and Temporal Subtraction on Chest Radiographs during Medical Checkups: Retrospective Lung Cancer Detection in Legal Cases
Seiji Shiotani */ Dept. of Radiology, Seirei Fuji Hospital*

173 Evaluation of Automatic Detection Technique for Chest Radiographs Using Deep Learning-based Algorithms for Pulmonary Nodule and Pneumonia in Japan
Kouzou Murakami */ Dept. of Radiology, Showa University School of Medicine*

174 Effect of Tube Current, Spatial Resolution, and Reconstruction Algorithm on Image Noise of Lung Nodule: A Phantom study using ultra-high-resolution CT scanner
Mizuho Nishio */ Preemptive Medicine and Lifestyle-related Disease Research Center, Kyoto University Hospital*

175 Volumetry on Ultra-High-Resolution CT for Pulmonary Subsolid Nodules Using 1024 × 1024 Matrix Size and 0.25 mm Thickness: An Initial Phantom study
Yuriko Yoshida */ Dept. of Radiology, Osaka University School of Medicine*

176 Effect of Deep Learning-Based Reconstruction on the Image Quality of Ultra-High-Resolution Computed Tomography for Diffuse Lung Diseases
Kohei Mitsuhashi */ Department of Radiology, Kanagawa Cardiovascular and Respiratory Center*

177 Fundamental Study on GGNs/SSNs in the Lung by Measuring of Serial Change with Position Correction.
Naoya Koizumi */ Department of Diagnostic Radiology, Niigata Cancer Center Hospital*

10:30-11:40 (311+312)

38. Obstetrics/Gynecology 2: Tumor/Miscellaneous Shinya Fujii

★**178** Prediction of Nondiagnostic Image Quality of 3D T2-weighted MRI of the Uterus with a Short-time Prescan: a Pilot Study.
Takahiro Tsuboyama */ Dept. of Radiology, Osaka National Hospital*

179 Inchworm Sign of Endometrial Cancer on Diffusion-weighted MRI: Radiology-pathology Correlation
Masaya Kawaguchi */ Dept. of Radiology, Gifu University School of Medicine*

★**180** Diagnostic Value and Pathological Study of ADC Value in Early Cervical Cancer
Qiyun Hu */ Radiology Department, Cancer Hospital of China Medical University, LiaoNing Cancer Hospital & Institute*

181 Frequency and Risk Factors of Thoracic Metastases and Optimization of the Use of Cross-sectional Chest Imaging in Follow-up Patients with Cervical Cancer
Kyoko Nakao */ Dept. of Diagnostic Imaging and Nuclear Medicine, Graduate School of Medicine, Kyoto University*

★**182** Clinical Application of Volumetric CT Spectroscopy in Cervical Cancer
Li Puchen */ Dept of Medical Imaging, Cancer Hospital Of China Medical Unversity*

★**183** Correlation Analysis between the Parameters of Volumetric CT Energy Spectrum Imaging in the Diagnosis of Cervical Cancer and the Level of Tumor Markers
Li Puchen */ Dept of Medical Imaging, Cancer Hospital Of China Medical Unversity*

★**184** Study on the Influencing Factors of Volumetric CT Spectroscopy Imaging in the Diagnosis of Cervical Cancer
Li Puchen */ Dept of Medical Imaging, Cancer Hospital Of China Medical Unversity*

9:20-10:20 (313+314)

39. Hepatobiliary/Pancreas 3: Liver/Miscellaneous Yoshihiko Fukukura

185 Factors Related to Risky Esophago-gastric Varices Requiring Interventions in Patients with ChronicLiver Diseases: Importance of ECV of the Liver as a Predictive Biomarker
Tomonobu Tani */ Department of Radiology, Faculty of Medicine, Fukuoka University*

★**186** The Correlation between Extracellular Volume Fraction Using Multiphasic Contrast-enhanced Liver Computed Tomography and Serum Tumor Markers in Hepatic Carcinoma
Fengjiao Cui */ Radiology, Liaoning Cancer Hospital & Institute*

★**187** The Clinical Value of Liver Extracellular Volume Fraction Using Routine Liver CT for The Diagnosis of Liver Tumor Types
Fengjiao Cui */ Radiology, Liaoning Cancer Hospital & Institute*

188 Exhaustive Application of Extracellular Volume Fraction Obtained from Routine CT Data Set to the Upper Abdominal Organs Utilizing Machine Learning: Preliminary Experience
Keisuke Sato */ Dept. of Radiology, Fukudai University School of Medicine*

★**189** The Feasibility of Dual-energy Computed Tomography (DECT) in Evaluating the Quality of the Isolated Perfused Rat Liver
Qian Ji */ Department of Radiology, Tianjin First Central Hospital*

190 Virtual Monochromatic Image at Lower Energy Level for Assessing Pancreatic Ductal Adenocarcinoma in Fast kV-switching Dual-energy CT
Tetsuro Kaga */ Dept. of Radiology, Gifu University*

10:40-11:40 (313+314)

40. Hepatobiliary/Pancreas 4: Hepatic tumor Tomoaki Ichikawa

191 Hypervascular Hepatocellular Carcinoma in Patients in Nonalcoholic Steatohepatitis: Differences in Imaging Findings and in Tumor Characteristics
Motonori Akagi */ Dept. Radiology, Hiroshima University Graduate School of Biomedical Sciences*

★**192** Imaging features of dysplastic nodule, early hepatocellular carcinoma, and small well-differentiated hepatocellular carcinoma correlated with pathological findings
Azusa Kitao */ Department of Radiology, Kanazawa University Hospital*

★**193** Hepatocellular Carcinoma with Hilar Bile Duct Thrombus VersusHilar Cholangiocarcinoma on Ehanced CT: A Diagnostic Challenge
Xiaoqi Zhou */ The First Affiliated Hospital, Sun Yat-sen University*

194 Interface Analysis of the Liver and Focal Hepatic Lesions in HBP: A Comparison between Free-breathing Radial and Conventional Breath-hold Acquisition Techniques
Nobuyuki Kawai */ Dept. of Radiology, Gifu University*

195 Detection of Pancreatic Ductal Adenocarcinoma and Liver Metastases: Comparison of Contrast-enhanced MR Imaging with Ga-EOB-DTPA and Extracellular Contrast Materials
Yukiko Takai */ Dept. of Radiology, Gifu University School of Medicine*

196 The Prognostic Value of DOTATOC-PET/CT and FDG-PET/CT in Patients with Liver Metastases of Pancreatic Neuroendocrine Tumors: A Comparison with CE-CT or MRI
Eitaro Kidera */ Dept. of Diagnostic Imaging and Nuclear Medicine, Kyoto University Graduate School of Medicine*

11:00-11:50 (315)

41. Pediatric 2: CT・MRI・PET Shunsuke Nosaka

★**197** Differences in Clinical Course between Kawasaki Disease with and without Retropharyngeal Low-Density Area Depicted in Neck CT
Kota Watanabe */ Dept. of Radiology, Showa University Northern Yokohama Hospital*

198 Detection Ability of the Pulmonary Nodules on MRI Using Pointwise Encoding Time Reduction with Radial Acquisition (PETRA) in Children
Kumiko Nozawa */ Dept. of Radiology, Kanagawa Children's Medical Center*

199 Fetal MRI Findings in Congenital High Airway Obstruction Syndrome: Comparison with the Normal Fetus
Hidekazu Aoki */ Dept. of Radiology, National Center for Child Health and Development*

★ : English Presentation

★**200** Pontine and Cerebellar Atrophy within the First 2 Weeks of Life among Infants Suffering from Pontine and Cerebellar Injury by Neonatal Asphyxia
Katsumi Hayakawa */ Dept. of Diagnostic Radiology, Kyoto Red Cross Daiichi Hospital*

201 MRI Findings of the Scalp in Pachydermoperiostosis
Mikiko Miyasaka */ Dept. of Radiology, National Center for Child Health and Development*

13:00-13:50 (311+312)

42. Autopsy Imaging Naoya Takahashi

★**202** Pulmonary Massive Fat Embolism Detected by Post-mortem Imaging: Comparison of CT and MRI
Yohsuke Makino */ Dept. of Forensic Medicine, The University of Tokyo*

★**203** Fatal Hemorrhage Complicated with Methamphetamine Poisoning: a Pitfall of Postmortem CT-based Death Investigation
Maiko Yoshida */ Chiba University Center for Education Research in Legal Medicine*

204 Is Intravascular Gas Detected in Organs on Early Postmortem CT Always Related to Cardiopulmonary Resuscitation?
Tomonori Murakami */ Dept. of Radiological Science, Nagasaki University Graduate School of Biomedical Sciences*

205 Infusion Effect of Postmortem Lung CT: Consideration to Keep Lung Weight after Postmortem Enhanced CT -
Hideki Hyodoh */ Dept. of Forensic Medicine, Hokkaido University Faculty of Medicine*

206 Postmortem Enhanced CT (non-chest compression/ off-pump method)
Hideki Hyodoh */ Dept. of Forensic Medicine, Hokkaido University Faculty of Medicine*

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

43. Musculoskeletal 3: Tumor/Miscellaneous Takatoshi Aoki

★**207** Solitary Long Bone Metastases from Renal Cell Carcinoma Imaging Features
Rui Zhang */ Department of Radiology, China Medical University, Liaoning Cancer Hospital*

★**208** Imaging Features of Solitary Plasmacytoma
Rui Zhang */ Department of Radiology, China Medical University, Liaoning Cancer Hospital*

209 Prediction of Neutrophilic Infiltration Due to Periprosthetic Infection at the Hip Using Standard Uptake Value of 99mTc-bone SPECT
Naoya Yama */ Dept. of Diagnostic Radiology, Sapporo Medical University*

210 Bone SPECT/CT in Osteochondromas: Visual Analysis of Tracer Distribution and Intensity
Atsushi Tani */ Dept. of Radiology, Graduate School of Medical and Dental Sciences, Kagoshima University*

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

44. Interventional Radiology Non-vascular Bioopsy/drainage Wataru Koda

★**211** Preoperative CT-guided Color Marking of Small or Impalpable Pulmonary Nodules for Video-assisted Thoracoscopic Surgery
Shota Tanaka */ Dept. of Radiology, Shimane University School of Medicine*

212 Tract Embolization Device for Percutaneous Organ Biopsy: Secondary Experience
Taichi Kurose */ Dept. of Diagnostic Radiology, Hiroshima Prefectural Hospital*

213 C-Arm ConeBeam CT guided Needle Biopsies with Prone Position through the Erector Spinal Muscle for Posterior Thoracic Pulmonary Nodules
Nobuyuki Takeyama */ Dept. of Radiology, Showa University Fujigaoka Hospital*

214 Effectiveness of Combined Use of Cytological and Histological Examination of Outer Cannula Washings in CT-guided Tissue-core Biopsy
Fumiyasu Tsushima */ Dept. of Radiology, Hirosaki University School of Medicine*

215 CT-guided Biopsy for Detection of EGFR T790M Mutation in non–Small Cell Lung Cancer
Miyuki Nakatani */ Dept. of Radiology, Kansai Medical University*

216 Evaluation of sSimultaneous Tandem Drainage of the Abscess Cavity and Gastrointestinal Tract for Intraperitoneal Abscess
Yutaka Ueno */ Dept. of Radiology, Kansai Medical University*

14:10-14:50 (313+314)

45. Uroradiology 3: Prostat Takeshi Yoshizako

217 Analysis of Clinicopathological Characteristics of False-Negative Clinically Significant Prostate Cancers on Prostate Multiparametric MRI
Ayumu Kido */ Dept. of Radiology, Division of Daignostic Radiology, Kawasaki Medical School*

218 Usefulness of MRI/TRUS Fusion Biopsy (UroNav) as Preoperative Information for Prostate Cancer
Yoshifumi Kuroki */ Advanced Imaging Center, Niimura Hospital*

219 Usefulness of MRI/TRUS Fusion Biopsy (UroNav) in Case of Repeat Biopsy for Prostate Cancer
Nozomi Ohashi */ Advanced Imaging Center, Niimura Hospital*

★**220** Glucagon Premeditation Does Not Improve Image Quality in Prostatic MRI
Eriko Yoshizawa */ Dept. of Radiology, Shinshu University School of Medicine*

13:00-14:00 (315)

46. Radiation Oncology 4: CNS/Head and neck Tatsuyuki Abe

221 Examination about 2-isocenter IMRT Method to Spare Spinal Cord Doses Using Lineac Equipped with 5mm width MLC
Toshiki Kawamura */ Dept. of Radiology, Nagoya Ekisaikai Hospital*

222 Peripheral Dose of ≥20 Gy for Brain Metastasis is Necessary for Sufficient Local Control Rate in Gamma Knife Radiosurgery
Tomoyuki Noyama */ Dept. of Radiology, The University of Tokyo*

223 Preliminary Results of Postoperative Radiotherapy for pN3b of Squamous Cell Carcinoma of the Head and Neck
Ryuji Mikami */ Dept. Radiology, Tokyo Medical University*

224 Low Dose Postoperative Radiotherapy for Head and Neck Squamous Cell Carcinoma
Wataru Makino */ Dept. of Radiology, University of the Ryukyus*

225 Proton Beam Therapy for Pharyngeal Cancer.
Koichi Yasuda */ Dept. of Radiation Oncology, Hokkaido University Hospital*

226 Intraarterial Chemoradiotherapy for Advanced Squamous Cell Carcinoma of the Nasal Cavity and Paranasal Sinuses: A Single-institution' s Experience
Joichi Heianna */ Dept. of Radiology, Graduate School of Medical Science University of the Ryukyus*

14:10-14:50 (315)

47. Radiation Oncology 5: Chest/Gastrointestinal
Tsuyoshi Takanaka

227 Phase-1 Trial of Nivolumab Treatment Combined with Stereotactic Body Radiotherapy for Patients with Multiple Metastatic Non–small Cell Lung Cancer (NIVOSTLUC-I)
Kan Marino */ Dept. of Radiology, Yamanashi University School of Medicine*

228 Time to Onset of Brachial Plexopathy after Carbon-ion Irradiation for Lung
Akihiro Nomoto */ QST NIRS Hospital*

229 Stereotactic Body Radiotherapy for Patients with Liver Tumor: A Single-center Retrospective Study
Yosuke Miki */ Dept. of Radiology, The Universiry of Tokyo Hospital*

230 Efficacy of Concurrent Chemoradiotherapy in stage-I Esophageal Cancer
Haruka Jinnouchi */ Dept. of Radiology, University of Tokyo Hospital*

Electronic Poster Presentation Programs

April 12 (Fri.)

9:10-9:52 (Poster Presentation Booth 1)

1. Radiation Oncology 1: CNS/Head and Neck Atsuro Terahara

C001 The Results of Stereotactic Radiotherapy for Brain Metastases from Small Cell Lung Cancer
Kotaro Yoshio */ Dept. of Radiology, Kagawa Prefectural Central Hospital*

C002 Prognostic Significance of 1p/19q Codeletion in Grade-II and Grade-III Gliomas: A Retrospective Study
Wataru Takahashi */ Dept. of Radiology, the University of Tokyo Hospital*

C003 Feasibility of Hippocampal Dose–Volume Parameters Associated with Cognitive Decline in Intensity-Modulated Radiation Therapy for Supratentorial Tumors
Shigeo Takahashi */ Dept. Radiation Oncology, Kagawa University Hospital*

C004 Outcome of Definitive Radiation Therapy for Locally Advanced Nasopharyngeal Carcinoma
Ayaka Ouchi */ Dept. of Radiology, Graduate School of Medicine Ehime University*

C005 Radiotherapy for Head and Neck Cancer and Simultaneous Double CSancers
Tomohiro Matsuura */ Dept. of Radiation Oncology, Yamato Takada Municipal Hospital*

C006 Control Rates of Metastatic Lesions from Differentiated Thyroid Cancer Treated with External-beam Radiotherapy with or without Radioactive Iodine Therapy
Kenji Makita */ Dept. Radiology, Matsuyama Red Cross Hospital*

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

2. Radiation Oncology 2: Chest Manabu Aoki

C007 The Results of Dose-escalated SBRT for Non–small Cell Lung Cancer Lesions >3 cm
Takafumi Komiyama */ Dept. of Radiology, University of Yamanashi*

C008 Prognostic Significance of Volumetric Parameters with Pretreatment ^{18}F-fluorodeoxyglucose Positron Emission Tomography in Non-small Lung Cancer
Eiichiro Okazaki */ Dept. of Radiation Oncology, Saiseikai Nakatsu Hospital*

C009 Clinical Outcomes and Patterns of Failure Following Chemoradiation Therapy for Limited-stage Small Cell Lung Cancer: A 20-year Single Institution Experience
Nor Shazrina Sulaiman */ Dept. of Radiation Oncology, Hyogo Cancer Center*

C010 Correlation between Spread of Radiation Pneumonitis and Isodose Curves in Patients with Stage-I NSCLC Undergoing IMRT
Tomohiro Itonaga */ Dept. of Radiology, Tokyo Medical University*

C011 Dose–volume Parameters Predict Radiation Pneumonitis after Induction Chemoradiotherapy Followed by Surgery for Non–small Cell Lung Cancer
Kuniaki Katsui */ Dept. of Proton Beam Therapy, Okayama University Graduate School of Medicine*

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

3. Radiation Oncology 3: Pelvis Jun Itami

C012 Absorbable Hydrogel Spacer in Radiotherapy for Prostate Cancer: Difficulty to Differentiate the Spacer from Temporary Fluid Collection
Shinya Sutani */ Dept. of Radiology, National Hospital Organization Tokyo Medical Center*

C013 Outcomes and Predictive Factors by Risk Group after Permanent Prostate Brachytherapy: Prospective Cohort Study (J-POPS)
Norihisa Katayama */ Dept. of Radiology, Okayama University Medical School*

C014 Outcome after Treatment for Recurrence in Patients with Locally Advanced Cervical Cancer Treated with Radiotherapy
Shintaro Tsuruoka */ Dept. of Radiology, Graduate School of Medicine Ehime University*

C015 DVH Analysis of Intracavitary Brachytherapy for Uterine Cervical Cancer
Masanori Someya */ Dept. of Radiology, Sapporo Medical University, School of Medicine*

C016 Interfractional Motion of Vaginal Vault in Postoperative Cervical Cancer Patients: Analysis of Intraoperative and Postoperative Fiducial Markers
Shuhei Sekii */ Dept. of Radiation Oncology, Hyogo Cancer Center*

C017 Evaluation of Side Effect during Radiotherapy in Cervical Cancer Patients
Satoshi Senoo */ Dept. of Radiation Oncology, Kobe University Graduate School of Medicine*

15:10-15:45 (Poster Presentation Booth 1)

4. Radiation Oncology 4: Miscellaneous Hideya Yamazaki

C018 Endoscopic Submucosal Dissection Followed by Chemoradiotherapy for Superficial Esophageal Cancer
Gen Suzuki */ Dept. of Radiology, Kyoto Prefectural University of Medicine*

C019 Outcomes of MALT Lymphoma Treated with Definitive Radiotherapy and Long-term Follow-up
Yuntao Dai */ Dept. of Radiation Oncology, Kobe University School of Medicine*

C020 Effects of Manipulating Tumor Hypoxia and Radiation Dose Rate on Local Tumor Response and Lung Metastatic Potential with Reference to the Response of Intratumor Quiescent Cells
Shinichiro Masunaga */ Particle Radiat Biol, Div Radiat Life Sci, Inst Integ Radiat Nucl Sci, Kyoto Univ*

C021 Radiotherapy Combined with Immune-checkpoint Inhibitors: Does the Abscopal Effect Really Exist?
Shinichiro Toyoshima */ Dept. of Radiation Oncology, Toyama Prefectural Central Hospital*

C022 Quantitative Evaluation of Calcification after Radiotherapy—Secondary Report—
Hidekazu Hattori */ Dept. of Radiology, Fujita Health University School of Medicine*

★ : English Presentation

16:00-16:35 (Poster Presentation Booth 1)

5. Interventional Radiology 1: Miscellaneous

Toshio Kaminou

C023 Risk Factors for Massive Bleeding Based on Angiographic Findings in Patients with Placenta Previa and Accreta and Who Underwent Balloon Occlusion of the Internal Iliac Artery

Hiroyuki Tokue */ Dept. of Diagnostic Radiology, Interventional Radiology and Nuclear Medicine Gunma University Hospital*

C024 Initial Experience of Viabahn Stent Graft for Treating Peripheral Arterial Disease

Akira Adachi */ Dept. of Radiology, Faculty of Medicine, Tottori University*

C025 CT Fluoroscopy-guided Biopsy Using a Robot (Zerobot): Prospective First-in-Human Feasibility Trial

Takao Hiraki */ Dept. of Radiology, Okayama University Medical School*

C026 Marker-based Multi-camera Navigation System for Interventional Radiology

Hiroya Shiomi */ Miyakojima IGRT Clinic*

C027 Capturing-Performance Assessment of an Endovascular Snare System Based on a Loop-Formed Torque Wire

Norihisa Nitta */ Dept. of Radiology, Shiga University of Medical Science*

16:50-17:18 (Poster Presentation Booth 1)

6. Interventional Radiology 2: Embolization

Yoshiki Asayama

C028 Portosystemic Shunt Embolization Using Amplatzer™ Vascular Plug; Experience with Four Cases

Akira Imaizumi */ Dept. of Radiology, Univ. of Yamanashi*

C029 Percutaneous Transhepatic Portal Vein Embolization with Ethanol Injection using both the Double-lumen Balloon Catheter and Catheter Sheath

Tomoki Tozawa */ Dept. of Radiology, Akita University School of Medicine*

C030 Evaluation of Image-based Predictive Factors for Hypertrophy of Future Remnant Liver after Portal Vein Embolization

Shigeshi Kohno */ Dept. of Diagnostic Imaging and Nuclear Medicine, Kyoto University Graduate School of Medicine*

C031 Correlation between Future Liver Remnant Plasma Clearance Rate of Indocyanine Green after Portal Vein Embolization and Post-Hepatectomy Liver Failure

Mitsunari Maruyama */ Dept. of Radiology, Shimane University Faculty of Medicine*

17:30-17:51 (Poster Presentation Booth 1)

7. Interventional Radiology 3: Liver

Toshi Hashimoto

C032 Safety and Efficacy in Patients with Advanced Hepatocellular Carcinoma Treated with Drug-eluting-beads Embolization

Hiroshi Seki */ Dept. of Diagnostic Radiology, Niigata Cancer Center Hospital*

C033 Experience of Concurrent Transcatheter Arterial Chemoembolization and Partial Splenic Embolization before Radiofrequency Ablation for Hepatocellular Carcinoma

Noriaki Yuasa */ Dept. of Radiology, Steel Memorial Muroran Hospital*

C034 Ablative Margin Simulation Using CT Volume Analyzer in the Treatment of the Next-generation Microwave Thermosphere Ablation for Malignant Liver Tumors

Noriyuki Miyamoto */ Dept. of Radiology, Obihiro Kosei Hospital*

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

8. Breast Kazunori Kubota

C035 Relationship between MRI Findings and Invasive Breast Carcinoma with Podoplanin-positive Cancer-associated Fibroblasts

Ken Yamaguchi */ Dept. of Radiology, Saga University, Faculty of Medicine*

C036 Quantitative Evaluation of Breast Lesions Using Synthetic MRI: Differences between Benign and Malignant Lesions

Megumi Matsuda */ Dept. of Radiology, Ehime University Graduate School of Medicine*

C037 Intravoxel Incoherent Motion for Invasive Breast Cancer: Correlation with Histological Microstructural Parameters

Naoko Mori */ Dept. of Diagnostic Radiology, Tohoku University Graduate School of Medicine*

C038 Comparison between Two-dimensional Synthesized Mammography and Original Digital Mammography Regarding Ability for Mass Depiction

Hiroko Kawashima */ Division of Health Sciences, Kanazawa University*

C039 Clinical Performance of Synthetic Mammography and 3D Rotating Mammogram in Digital Breast Tomosynthesis for the Diagnosis of Microcalcifications

Hitomi Tani */ Dept. of Radiology, Nippon Medical School*

C040 Comparison of synthetic mammography reconstructed from digital breast tomosynthesis and full-field digital mammography for detection of breast cancer

Ryusuke Murakami */ Dept. of Radiology, Nippon Medical School*

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

9. Musculoskeletal Shuji Nagata

C041 Usability Study of Temporal Subtraction CT for Detection of Vertebral Bone Metastases

Sodai Hoshiai */ Dept. of Radiology, University of Tsukuba*

★**C042** Diagnostic Value of Magnetic Resonance Imaging (MRI) for Aggressive Bone Lesions

Wisitsak Pakdee */ Dept. of Radiology, Prince of Songkla University*

C043 Prediction of Vertebral Bone Strength in COPD Patients with Quantitative Lung CT analysis

Natsumi Hirano */ Dept. of Radiology, University of Occupational and Environmental Health School of Medicine*

C044 Can GI-BONE Be Applied to Nonhybrid SPECT Data?—Experience of GI-BONE in Evaluating Bone Metastases of Prostatic Cancer—

Akifumi Iwasa */ Dept. of Diagnostic Imaging Kyoto Katsura Hospital*

C045 Diagnostic Impact of Ga-SPECT/CT Using Quantitative Analysis for Patients with Lower-limb Osteomyelitis
Yoshito Nishikawa */ Dept. of Radiology, Nippon Medical School*

C046 The Utility of Color Doppler Ultrasound to Predict Infantile Hemangiomas Response to Propranolol
Sumika Kagebayashi */ Dept. of Radiology, Japanese Red Cross Otsu Hospital*

11:10-11:45 (Poster Presentation Booth 2)

10. Gastrointestinal Taro Ichikawa

C047 Morphological Evaluation of Extramural Invasion of Rectal Cancer Using MRI: Comparing MRI and Histopathological Findings
Shigeki Ikeda */ Dept. of Radiology, Kansai Medical University*

C048 Clinical and CT Findings of Rice Cake-induced Small Bowel Obstruction in Comparison with Those of Bezoar-induced Small Bowel Obstruction
Shigehiro Sugimoto */ Dept. of Diagnostic and Interventional Radiology, Osaka City University Graduate School of Medicine*

★**C049** The CT Findings and Its Pathological Features of Gastrointestinal Neuroendocrine Tumors
Huizi Wan */ Liaoning Provincial People's Hospital*

★**C050** Burkitt' S Lymphoma Mimicking Peritoneal Carcinomatosis
Chin Yee Lau */ Dept. of Radiology, Hospital Sungai Buloh, Malaysia*

★**C051** Abdominal Tuberculosis : The Great Masquerader with Ultrasound to the Resque
Vishal Kantilal Kumat */ Prince Aly Khan Hospital*

15:10-15:52 (Poster Presentation Booth 2)

11. Cardiovascular 1: Cardiac CT 1 Haruhiko Machida

C052 Comparison of Plaque Characteristics between Coronary Computed Tomography Angiography Based on Diluted Contrast–injection Protocol And Integrated Backscatter Intravascular Ultrasound
Yoshihiro Kouchi */ Dept. of Radiology, Ehime University School of Medicine*

C053 Simulated Enhancement Ratio of Myocardium to Aorta for Identification of Obstructive Coronary Artery Disease Using Dynamic Myocardial Computed Tomography Perfusion
Takanori Kouchi */ Dept. of Radiology, Ehime University School of Medicine*

C054 Low-dose Dual-wide-energy X-ray Computed Tomography Using a Cooled Cadmium-telluride Detector
Sohei Yoshida */ Dept. of Radiology, Iwate Medical University*

★**C055** Evaluation of ECG Edit Software by 2nd Generation 320-row CT in Patients with Arrhythmia
Ya xin Zhu */ Radiology*

★**C056** The Clinical Diagnostic Vale of Triple -role-out CT Angiography in Acute Chest Pain
Ping Xia */ Dept. of Radiology, The Central Hospital of Xuzhou, China*

C057 Effects of X-ray Irradiation from CT on Implantable Cardioverter Defibrillators (ICD) Revisited 2018
Atsushi Kono */ Dept. of Radiology, National Cerebral and Cardiovascular Center*

16:10-16:52 (Poster Presentation Booth 2)

12. Cardiovascular 2: Cardiac CT 2 Fuminari Tatsugami

C058 Coronary Artery Calcification Score on Evaluating Coronary Artery Disease Prevalence in the Japanese Population
Hitomi Ochi */ Dept. of Radiology, Ehime University School of Medicine*

C059 Factors Affecting the Speed of Coronary Artery Calcification: Evaluation by Multivariant Analysis
Makoto Amanuma */ Dept. of Radiology, Takase Clinic*

C060 Comparison of Simplified Bernoulli Method by Coronary Computed Tomography Angiography with Single-Photon Emission Computed Tomography for Diagnosing Functional Ischemia
Nobuo Tomizawa */ Dept. of Radiology, New Tokyo Hospital*

C061 Low Iodine Dose Is Related to Overestimation of Extracellular Volume Fraction Derived from Cardiac Computed Tomography
Hiroaki Arakawa */ Dept. of Radiology, New Tokyo Hospital*

C062 The Comparison of the Diagnostic Accuracy between MBF and MBV Derived from Dynamic CTP for Detecting Myocardial Perfusion Abnormalities
Daichi Uraoka */ Dept. of Radiology, Ehime University Graduate School of Medicine*

C063 The Utility of Myocardial Color Scale for Detection of Obstructive Coronary Artery Disease Using Dynamic Myocardial Computed Tomography Perfusion
Takaaki Hosokawa */ Dept. of Radiology. Ehime University School of Medicine*

17:10-17:52 (Poster Presentation Booth 2)

13. Cardiovascular 3: MRI Atsushi Kono

C064 Lung Strain Impaired by Pulmonary Fibrosis in Patients with Systemic Sclerosis: Assessment of Cardiac Cine Magnetic Resonance Imaging
Noriko Kasuga */ Dept. of Diagnostic imaging and nuclear medicine, Tokyo Women's Medical University*

C065 Liver Strain Derived from Cardiac Cine Magnetic Resonance Imaging Is a Surrogate Marker for Chronic Liver Injury in Patients with Fontan Circulation and Tetralogy of Fallot
Ryoko Ohashi */ Dept. of Diagnostic Imaging & Nuclear Medicine, Tokyo Women'sMedical University*

C066 Turbulent Kinetic Energy Assessment of HOCM by Using Multi-VENC 4D Flow MRI
Kotomi Iwata */ Dept. of Radiology, Nippon Medical School*

C067 Correlation of Wall-shear Stress on MR Angiography and ^{18}F-FDG Uptake on PET/CT in Patients with Carotid Atherosclerotic Disease
Yasukage Takami */ Dept. of Radiology, Faculty of Medicine, Kagawa University*

C068 Contrast-enhanced Compressed Sensing Whole-heart Coronary Magnetic Resonance Angiography at 3 T
Kuniaki Hirai */ Dept. of Radiology, Ehime University School of Medicine*

★**C069** Retrospective Evaluation of Lower Limb Chronic Venous Insufficiency Using a Novel Non-Contrast MRI Sequence – More Than Just May-Thurner' s Syndrome
Ivan Kuang Hsin Huang */ Dept. of Radiology, Tan Tock Seng Hospital, Singapore*

★ : English Presentation

April 13 (Sat.)

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

14. Neuroradiology 1: Cerebrovascular/Miscellaneous Kyo Noguchi

C070 4D Flow Assessment of Arterial Pulsation in Patients with Internal Carotid Artery Stenotic Disease
Takahiro Ando */ Dept. of Radiology, Nippon Medical School Hospital*

C071 Enhancement of the Normal Superficial Temporal Arteries on Gadolinium-enhanced Vessel Wall Imaging
Koichi Takano */ Dept. of Radiology, Fukuoka University Faculty of Medicine*

C072 Turbo-Spin Echo-based Black-Blood MRA in the Assessment of Chronic Intracranial Arterial Steno-Occlusive Lesions
Kosuke Hida */ Dept. of Radiology, Fac. of Medicine, Fukuoka University*

C073 The Evaluation of MRI Findings in Old Lacunar Infarction: A Follow-up Study
Naoki Fukuyama */ Dept. of Radiology, Ehime Prefectural Central Hospital*

★**C074** Role of MRI brain in evaluation in Patients Infected with HIV with CNS Manifestations
Abhishek Dwivedi */ Departement of radiology, Base hospital Delhi Cantt*

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

15. Neuroradiology 2: Degenerative Disorder/ Miscellaneous Harushi Mori

C075 Lewy Body Disease with Visual Hallucination: Optic Radiation Abnormalities on Phase Difference-enhanced Imaging
Mari Miyata */ Dept. of Radiology, Univ. of Occupational and Environmental Health*

★**C076** Diffusion Tensor Imaging in Patients with Trigeminal Neuralgia—A Single Center Experience
Matthew Ka Ki Law */ Dept. of Radiology, Pamela Youde Nethersole Eastern Hospital*

★**C077** Quantifying Consecutive Neuronal Changes in Putamen during the Development of Early Parkinson's Disease Using Diffusion Tensor MR Imaging
Hiroto Takahashi */ Osaka University Graduate School of Medicine*

★**C078** Free-Water Imaging Improves Detection of Changes in the White Matter of Early Parkinson's Disease Patients
Christina Andica */ Dept. of Radiology, Juntendo University Graduate School of Medicine*

C079 Evaluation of the Existence of Enhanced Cranial Nerves on ALS Patients Using T1-weighted Gradient Echo Image after Gadolinium Administration
Toshitada Hiraka */ Dept. Radiology, Yamagata University Faculty of Medicine.*

10:50-11:25 (Poster Presentation Booth 1)

16. Neuroradiology 3: Miscellaneous 1 Kentaro Akazawa

C080 Novel Prognostic Factor for Glioblastoma; Hyperintensity on Arterial Spin-labeling Image Outside Contrast-enhanced Area Indicating Better Prognosis
Takashi Abe */ Dept. of Radiology, University School of Medicine*

C081 The Diagnostic Power of Magnetic Resonance Ventriculography for Visualization of the Choroid Plexus of the Third Ventricle
Ken Sato */ Dept. of Radiology and Radiation Oncology, Niigata University Graduate School of Medical and Dental Sciences*

★**C082** Changes in Vertebral Body Height and Spinal Canal Diameter due to Aging and BMI
Bolortuya Khurelbaatar */ Dept. of Radiology, Mungun Guur Hospital, Mongolia*

★**C083** Role of CT Brain in Patients with Altered Mental Status without Known Trauma
Akash Rajaram */ Dept. of Radiology, M S Ramaiah medical college*

★**C084** Usefulness of CT Chest, Abdomen, and Pelvis in Patients with Recent Neurological Symptoms
Akash Rajaram */ Dept. of Radiology, M S Ramaiah medical college*

13:10-13:45 (Poster Presentation Booth 1)

17. Chest 1: Lung Nodule Takeshi Kobayashi

C085 Differentiation of Primary Lung Adenocarcinoma and Squamous Cell Carcinoma Using Dynamic CT Studies
Shogo Fukuma */ Dept. of Radiology, Okayama University Hospital, Okayama, Japan*

★**C086** Using 4D Dynamic Imaging for Assessing Bronchial Invasion in Central Lung Cancer Patients
Na Li */ Radiology, Liaoning Cancer Hospital & Institute*

★**C087** Quantitative Analysis of Pleural Invasion and Adhesion of Lung Cancer Using 4D Dynamic Imaging on 320-row Volume CT
Na Li */ Radiology, Liaoning Cancer Hospital & Institute*

C088 Lung Nodule Detection in CT Images Using a 3D U-net Deep-learning Model
Kanako Kumamaru */ Dept. of Radiology, Juntendo University*

C089 Prediction of Prognosis in Part-solid Ground-Glass Nodules Using Deep Learning System: Validation Analyses of Prognostic Results by Automated Volumetric Analysis.
Masahiro Yanagawa */ Dept. of Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine*

14:00-14:42 (Poster Presentation Booth 1)

18. Chest 2: Miscellaneous Shin Matsuoka

C090 Influence of Field-of-view (FOV) Size on Ultra-high-resolution CT (U-HRCT) Image Quality: Comparison between U-HRCT and Conventional HRCT
Tomo Miyata */ Dept. of Radiology, Osaka university School of Medicine*

C091 Volumetry of Pulmonary Subsolid Nodule on Ultralow-dose CT Using Model-based Iterative Reconstruction (MBIR) with or without a Lung-specific Setting
Akinori Hata */ Diagnostic and Interventional Radiology Osaka University Graduate School of Medicine*

C092 Can We Perform CT of the Follow-up Study of Interstitial Lung Disease with Ultra-low-dose CT Less Than 0.1 mSv?
Ryoko Egashira */ Dept. of Radiology, Faculty of Medicine, Saga University*

★**C093** CT Quantification of Spatial Heterogeneity of Boundary between Fibrotic and Non-fibrotic Areas in Idiopathic Pulmonary Fibrosis
Soon Ho Yoon */ Dept. of Radiology. Seoul Nation University Hospital*

★**C094** The Effect of Prospective ECG-gating for Airway Evaluation on Dynamic Ventilation Volume Computed Tomography
Yanyan Xu */ China-Japan Friendship Hospital*

C095 Postmortem CT Changes of Non-pathological Lungs, Pneumonia, and Pulmonary Edema in Patients Who Had Non-traumatic In-hospital Death
Wataru Gonoi */ Radiology, the University of Tokyo*

9:10-9:45 (Poster Presentation Booth 2)
19. Hepatobiliary/Pancreas 1: Hepatic Mass
Masahiro Okada

C096 CT Evaluation in Liver Metastatic Lesions of Malignant Melanoma
Hiroaki Kurokawa */ Dept. Radiology, Kansai Medical University*

C097 Is Dynamic Gd-EOB-MRI Necessary for the Diagnosis of Liver Metastasis for All Uveal Melanoma Patients?
Riwa Kishimoto */ NIRS, QST*

C098 MRI Detection of Intratumoral Fat in Colorectal Liver Metastases After Preoperative Chemotherapy
Yudai Nakai */ Dept. of Radiology, The University of Tokyo*

C099 Imaging and Clinicopathological Features of Fat-containing Hepatocellular Carcinoma Based on Recent Histological Classification
Yasuo Kosaka */ Dept. of Radiology, Kanazawa University Graduate School of Medical Sciences*

C100 Evaluation of a Non-enhancing "capsule" in Hepatic Nodules and Its Role in Categorization with Liver Imaging Reporting and Data System (LI-RADS), Version 2017
Saya Igarashi */ Dept. of Radiology, Kanazawa University Hospital*

10:00-10:35 (Poster Presentation Booth 2)
20. Hepatobiliary/Pancreas 2: Liver/Miscellaneous
Norihide Yoneda

C101 Quantification of Liver Fibrosis in Patients after Fontan Operation Using Gd-EOB-DTPA MRI: Comparison with Patients with Chronic Viral Hepatitis
Reiko Sakai */ Dept. of Diagnostic Imaging & Nuclear Medicine , Tokyo Women's Medical University*

C102 Evaluation of Hepatic Extracellular Volume Fraction before and after Direct-acting Antiviral Therapy
Akihiko Kanki */ Dept. of Radiology, Kawasaki Medical School*

C103 Periportal Lymphatic MR Images Following Hepatobiliary Phase on Gd-EOB-DTPA-enhanced Imaging at 3T; Is It Useful for Diagnosing the Periportal Lymphatic System Involved by Pancreatobiliary Malignancy?
Maki Kiyonaga */ Dept. of Radiology, Oita University Faculty of Medicine*

C104 Relationship between the Degree of Abdominal Wall Movement and the Severity of the MR Image-quality Deterioration in Contrast-enhanced MRI
Hiroshi Ikeno */ Dept. of Radiology, Fukui Prefectural Hospital (Dept. of Radiology, Kanazawa University Graduate School of Medical Sciences)*

★**C105** Hepatic Venous Doppler in Assessing Severity of Liver Cirrhosis and its Correlation with Child Pugh' s Classification
Pokhraj Prakashchandra Suthar */ Dept. of Radiology and Imaging Science, Sterling Hospitals*

10:50-11:25 (Poster Presentation Booth 2)
21. Hepatobiliary/Pancreas 3: Miscellaneous
Ryo Tamura

C106 Feasibility of a New Denoising Image-reconstruction Algorithm Using a Deep Convolutional Neural Network Model at Ultra-high-resolution CT Imaging of the Pancreas
Hiromitsu Onishi */ Dept. of Radiology, Osaka University Graduate School of Medicine*

C107 The Quantification of Pancreatic Fat on Dual-energy CT: Comparison with Six-point Dixon MR Imaging
Fumi Kameda */ Dept. of Radiology, Yamaguchi University School of Medicine*

C108 MR Prediction of Malignancy with T2 Value of the Cyst Fluid in Intraductal Papillary Mucinous Neoplasm of the Pancreas
Seiichiro Takao */ Dept. Radiology, Kyushu University Graduate School of Medicine*

C109 Differentiation of Mass-forming Autoimmune Pancreatitis from Pancreatic Ductal Adenocarcinoma by Using Apparent Diffusion Coefficient MR Parameters
Hainan Ren */ Dept. of Radiology, Tohoku University Graduate School of Medicine*

C110 Reliability of Virtual Noncontrast Computed Tomography (CT) in the Evaluation of Abdominal Organs with Noncontrast and Triphasic Contrast-enhanced Spectral CT Images
Junichi Izumi */ Dept. of Radiology, Yokote Municipal Hospital*

13:10-13:38 (Poster Presentation Booth 2)
22. Neuroradiology 4: Miscellaneous 2
Haruo Isoda

★**C111** Meta-analysis of Diagnostic Value by Intraoperative MRI, Ultrasound, 5-ALA Guided Resection in Patients with Gliomas
Dongman Ye */ Dept. of Medical Imaging, Cancer Hospital of China Medical University*

★**C112** Quantitative Analysis of Gadolinium in the Protein Content of the Brain Post-administration of Gadopentetate
Adhipatria Perayabangsa Kartamihardja */ Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma University*

★**C113** Study on the Role of Raw Data Reduction in Whole-Brain CT Perfusion
Xiaoguang Hao */ Medical Imaging Dept., Tai Yuan City Centre Hospital*

C114 Measurement of Brain Activity in the Prefrontal Cortex of a Radiologist during Image Interpretation Using NRS
Takashi Nihashi */ Dept. of Radiology, Komaki City Hospital*

★ : English Presentation

13:50-14:18 (Poster Presentation Booth 2)

23. Obstetrics/Gynecology 1: Miscellaneous

Kenji Matsuzaki

C115 Quantitative Detection of Oxidative Stress to DNA in the Pathology of Endometriosis with MRI Correlation: A Preliminary Study
Shota Tatsumoto */ Dept. of Radiology, Nara Medical University*

C116 Clinical Significance of I-123 MIBG SPECT and MRI Fusion for Endometriosis Diagnosis
Naoki Kan */ Dept. of Radiology, Kansai Medical University*

C117 MRI Imaging Features of Adnexal Torsion: A Case Control Study
Minako Suzuki */ Dept. of Radiology, Fujisawa City Hospital*

C118 MRI Findings of Placental Invasion without Placenta Previa: Report of Seven Cases
Satomi Kitai */ The Jikei University School of Medicine*

14:30-15:05 (Poster Presentation Booth 2)

24. Obstetrics/Gynecology 2: Tumor

Junko Takahama

C119 The Initial Experience of MR Imaging Texture Analysis of Cervical Cancer; The Comparison between SCC and Non-SCC
Jun Tsukamoto */ Dept. of Radiology, University of Occupational and Environmental Health*

C120 Utility of Histogram Analysis of Diffusion-Weighted MRI in the Evaluation of Histological Grade of Endometrial Cancer
Kumi Harada */ Dept. of Diagnostic Radiology, Japanese Red Cross Society Wakayama Medical Center*

C121 Endometrial Carcinoma: Texture Analysis of Apparent Diffusion Coefficient Maps and its Correlation with Histopathologic Findings and Prognosis
Ichiro Yamada */ Dept. of Diagnostic Radiology and Nuclear Medicine, Graduate School, Tokyo Medical and Dental University*

C122 Apparent Diffusion Coefficient Parameters of Endometrioid Adenocarcinoma: Effectiveness for Indicating Fertility Preservation Therapy
Sakiko Kageyama */ Dept. of Diagnostic Radiology, Tohoku University Graduate School of Medicine*

C123 Diagnostic Accuracy of 3.0-T Diffusion-weighted MRI in Patients with Uterine Carcinosarcomas: Assessment of Muscle Invasion and Lymphatic Metastasis
Saki Tsuchihashi */ Dept. of Radiology, Saitama Medical University Hospital*

April 14 (Sun.)

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

25. Nuclear Medicine 1: CNS/Head and neck

Kazunari Ishii

C124 Low-dose CT with the Iterative Reconstruction: A Primary Study in Head and Neck
Tetsuro Sekine */ Dept. of Radiology, Nippon Medical School*

★**C125** Dopamine Transporter Imaging with [123-I]FP-CIT SPECT: Techniques and Results
Ba Duong Nguyen */ Dept. of Radiology, Mayo Clinic Arizona*

C126 Assessment of SPECT-CT Fusion Images and Semiquantitative Evaluation of I-123 IMP-SPECT in Patients with Ocular Choroidal Melanoma
Kana Yamazaki */ Dept. of Molecular Imaging and Theranostics, National Institute of Radiological Sciences (NIRS)*

C127 Predicting Lymph Node Metastasis and Extranodal Spread with Multiparameter on F-18 FDG PET/CT in Patients with Head and Neck Squamous Cell Carcinoma
Ryuichiro Fukuhara */ Dept. of Radiology, Okayama University Medical School*

★**C128** Radiolabeled DOTA^{0}-Tyr^{3}-octreotate for Theragnosis of Follicular Thyroid Cancer in Mice
Suman Shrestha */ Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma University Graduate School of Medicine*

10:00-10:21 (Poster Presentation Booth 1)

26. Nuclear Medicine 2: Heart

Shigeki Nagamachi

C129 Blood Sampling before FDG Injection Predicts Suppression of Physiological Myocardial Uptake in Patients with Cardiac Sarcoidosis
Emiri Watanabe */ Dept. of Radiology, Ehime University of Medicine*

C130 Diagnostic Impact of Blood Ketone Body Level for Predicting the Effect of Dietary Preparation during in FDG-PET/CT on Myocardial Physiological Accumulation Suppression
Takahiro Ando */ Dept. of Radiology, Nippon Medical School Hospital*

C131 Corrected Relative Flow Reserve Derived from N-13 Ammonia PET Combined with Coronary CT Angiography for Assessing Regional Ischemic Perfusion
Naoto Kawaguchi */ Dept. of Radiology, Ehime University School of Medicine*

10:40-11:15 (Poster Presentation Booth 1)

27. Nuclear Medicine 3: Miscellaneous

Yuji Nakamoto

C132 Dynamic Study of 18FDG-PET/CT: Phantom Study and Clinical Trial on Sequential 192 Cases of Lung Cancer
Eri Ouchi */ Dept. of Radiology, Kameda Medical Center*

C133 Monitoring Tumor Response to Chemotherapy Using Diffusion-weighted Whole-body Imaging with Background Body Signal Suppression in Malignant Lymphoma
Yumiko Kono */ Dept. of Radiology, Kansai Medical University*

★**C134** 18F-FDG Uptake on Normal Appendiceal in Adult: PET/CT Evaluation
Christopher Silman */ Dept. of Radiology*

C135 A Reduced Uptake of Fluorodeoxyglucose in the Liver Caused by Hypoalbuminemia
Yoichi Otomi */ Dept. of Radiology, Tokushima University Hospital*

★**C136** ^{99m}Tc-DCM20 for Imaging of Rheumatoid Arthritis
Trang Thuy Dam */ Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma University*

13:10-13:45 (Poster Presentation Booth 1)

28. Cardiovascular 4: Vascular 1 Munemasa Okada

C137 Aorta Image Quality: Comparison between 120-kV CT with Moderate to High Concentrations of Contrast Material and 70-kV CT with Ultralow Concentrations of Contrast Material
Takafumi Nomura */ Dept. of Radiology, Yamaguchi University School of Medicine*

★**C138** The study of 80kv single tube voltage combined with new iterative reconstruction algorithm in aortic angiography scanning on metal artifacts reducing in children patients who undergoed thoracotomy.
Liu Xing */ Dept. of Radiology, First Affiliated Hospital of Zhengzhou University*

★**C139** The Study on Variable Helical Pitch(VHP) Scan Mode in Aortic Angiography by Using 80 kV Tube Voltage with 320-detector-row CT Scanner (Aquilion ONE ViSION, Canon, Japan).
Liu Xing */ Dept. of Radiology, First Affiliated Hospital of Zhengzhou University*

★**C140** Application and Value of VHP Technology in CTA Imaging of Lower Extremity Artery
Xing Jun */ Orient Hospital*

★**C141** Evaluate the Changes of Renal Blood Flow Before and After Operation in Patients with Aortic Dissection: A Preliminary Study
Liu dong Ting */ Dept. of Radiology, Beijing Anzhen Hospital, Capital Medical University*

14:00-14:35 (Poster Presentation Booth 1)

29. Cardiovascular 5: Vascular 2 Eijun Sueyoshi

★**C142** 320-row Volume CT Pulmonary Artery Imaging with Different Scanning Modes for Peripheral Pulmonary Artery Display
Yuexiang Zhu */ The First Affiliated Hospital of Hebei North University*

★**C143** Analysis of Distensibility Characteristics of Pulmonary Artery Using 640 Slice-Volume CT
Dawei Wang */ The First Affiliated Hospital of Hebei North University*

C144 The Quantitative Evaluation of Dual-energy CT in Postpartum Women: Comparison with Matched Women Suspected of Having Venous Thromboembolism
Munemasa Okada */ Dep. of Radiology, Yamaguchi University Hospital*

★**C145** The Distribution and Related Risk Factors of Lower Extremity Arterial Calcification in Patients with Peripheral Artery Disease
Han Kun Yan */ Dept. of Radiology, Shengjing Hospital of China Medical University*

★**C146** Correlation of Ankle Brachial Index with Lower Limb Arterial Doppler Sonography in Patients with Type 2 Diabetes Mellitus and Hypertension
Akash Rajaram */ Dept. of Radiology, M S Ramaiah Medical College*

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

30. Emergency Ryo Takagi

C147 Usefullness of Stretched Multi-Planner Reconstruction for Diagnosis of Rib Fractures
Wataru Kitatsuji */ Dept. of Radiology, South Nara Medical Center*

★**C148** Correlation between the Rate of Active Bleeding on CT with Mortality and Need of Blood Transfusion in Pelvic Trauma
Akash Rajaram */ Dept. of Radiology, M.S. Ramaiah Medical College*

★**C149** Application of Traumatic Brain CT: Protocol Design, Image Quality and Dose Reduction
Mei Syue Chen */ Dept. of Radiology, YANG-MING University Hospital, Taiwan*

★**C150** The Value of Head Computed Tomography Scanning for Assessing Concomitant Orbital Floor Fracture with Traumatic Brain Injury
Chun Yi Lin */ Dept. of Radiology, YANG-MING University Hospital,Taiwan*

9:50-10:18 (Poster Presentation Booth 2)

31. Uroradiology Jun Isogai

C151 Radiological Ureter Invasion/thrombus in Renal Cell Carcinoma; Relationship with Venous Thrombus, Pathological Stage, and Clinical Outcome
Atsushi Takamatsu */ Dept. of Radiology, Kanazawa University Graduate School of Medical Sciences*

C152 Pelvic and Ureteral Wall Thickening in Renal Cell Carcinoma – the Prevalence, Cause and Clinical Significance -
Mami Hamaoka */ Dept. of Radiology, Kanazawa University School of Medicine*

C153 CT Urography Using an Ultra-high-resolution CT with a Model-based Iterative Reconstruction: An Initial Experience
Atsushi Nakamoto */ Dept. of Radiology, Osaka University Graduate School of Medicine*

C154 The Imaging Features of Paravesical Space Arteriovenous Malformation as a New Subgroup of Pelvic Vascular Anomaly: A Case Series and Literature Review
Mitsuhiro Kishino */ Dept. of Diagnostic Radiology, Tokyo Medical and Dental University*

10:30-11:12 (Poster Presentation Booth 2)

32. Head and Neck Hidetake Yabuuchi

C155 Ultrasonography of IgG4-related Lacrimal and Salivary Gland Lesions: Imaging Features and Clinical Usefulness
Takahiro Komori */ Dept. of Radiology, Kanazawa University Graduate School of Medical Sciences*

C156 Retrolaminar Migration of Intraocular Silicone Oil Detected on CT Scan
Koji Takumi */ Dept. of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences*

C157 Usefulness of Turbo Spin Echo Diffusion-weighted Imaging for Evaluating Head and Neck Squamous Cell Carcinoma in Comparison with Echo-planar Imaging
Hiroaki Nagano */ Dept. of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences*

C158 Signal and Morphological Changes and Contrast Enhancement of the Endolymph in Patients with Vestibular Schwannoma on 3D FLAIR and 3D IR Imaging
Iichiro Osawa */ Dept. of Radiology, Saitama Medical University Hospital*

★ : English Presentation

★**C159** Evaluation of Adaptive Iterative Dose Reduction with Three Dimensional Rrocessing and Filtered Back Projection in Conventional CT Examination of Neck
Qiyun Hu */ Radiology Dept., Cancer Hospital of China Medical University, LiaoNing Cancer Hospital & Institute*

★**C160** Low-dose CT with the Iterative Reconstruction: A Primary Study in Head and Neck
Qiyun Hu */ Radiology Dept., Cancer Hospital of China Medical University, LiaoNing Cancer Hospital & Institute*

13:10-13:38 (Poster Presentation Booth 2)
33. Artificial Intelligence Daisuke Kakihara

C161 Generation of Medical Illustrations from T1WI and T2WI of the Brain Using Deep Learning
Naoki Yoshioka */ Dept. of Radiology, International University of Health and Welfare*

C162 Fully Automated Bezier Surface Reconstruction from Cervical Myelographic Computed Tomography Using Deep Learning
Naoki Yoshioka */ Dept. of Radiology, International University of Health and Welfare*

C163 Generation of Rotational Movies from Stereotactic MIP of Abdominal CT Using Deep Learning
Naoki Yoshioka */ Dept. of Radiology, International University of Health and Welfare*

C164 Initial Experience of the Construction of Prototype Artificial-intelligence Model Using a Small Dataset Collected by Image Search
Munemura Suzuki */ SMiL. Co., Ltd*

13:50-14:25 (Poster Presentation Booth 2)
34. Miscellaneous Akira Yamada

C165 Influence of Radiation Dose and Iterative Reconstruction Algorithms for Volumetric Accuracy of Soft Tissue Nodule: A Phantom Study
Shixing Bao */ Dept. of Radiology, Osaka University*

C166 Angle Adjustment Function of Protective Eyewear: Efficacy in the Reduction of Scatter Radiation to the Eyes
Masaaki Akahane */ Dept. of Radiology, International University of Health and Welfare*

C167 Regional Left-ventricular Three-dimensional Maximum Principal Strain Measurements from Cardiac Computed Tomography in Patients with Normal LV Function
Kazuki Yoshida */ Dept. of Radiology, Ehime University Graduate School of Medicine*

C168 A Novel MRI Technique for the Visualization of Macrophages' Response to X-irradiation
Masayuki Yamaguchi */ Division of Functional Imaging, NCC EPOC*

C169 Possible Solution for the Problem of Unread Image Interpretation Reports: The Gunma University "Star Search"
Yoshito Tsushima */ Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma University School of Medicine*

Product Exhibition Programs

April 13 (Sat.)

Core Time

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

K001 Accelerating the Development of Medical Artificial System by Easy-to-use Annotation Platform for Radiologist

Mototaka Miyake */ National Cancer Center Hospital*

K002 Building an Integrated CAD Development Environment in Clinical Settings (the 12th report): A New Docker-based CAD Processing and Evaluation Platform

Soichiro Miki */ CDRPM, The University of Tokyo*

The 75th Annual Meeting of the Japanese Society of Radiological Technology

JSRT-JSMP Joint Lecture

April 13 (Sat.)11：00～11：50（501） Chairman Osaka University Takayuki Ishida

「Knowledge- and Data-driven Models for Chest Radiologic Imaging and Beyond」

Huazhong University of Science and Technology Qiang Li

JSRT-JSMP Joint Session

In Order to Publish Your Article in RPT: Authors x Reviewers = Good Science

April 14 (Sun.)9：40～11：50（501） Chairman Kumamoto University Junji Shiraishi

Teikyo University Shinji Kawamura

1-1．From the Standpoint of an Author (Diagnostic Imaging) Hamamatsu Photonics Fumio Hashimoto

1-2．Comments as Author (MRI, Nuclear Medicine and Informatics)

Cyclotron and Radioisotope Center (CYRIC), Tohoku University Hiroshi Watabe

1-3．Author's Viewpoints (Radiation Therapy Physics) Osaka University Hospital Takashi Hashido

2-1．From the Standpoint of a Reviewer (Diagnostic Imaging) Kanazawa University Katsuhiro Ichikawa

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) Osaka University Iori Sumida

Overview 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 12 (Fri.)15：00～16：30（F203 + 204） Chairman Shiga University of Medical Science Yoshihisa Nakagawa

Osaka City University Hospital Takao Ichida

1．Carbon Dioxide Angiography: Technique and Important Point

Showa University Hospital Mitsuyoshi Yasuda

2．This Is the Visible World of Peripheral Artery Using Ultra High Resolution CT

Iwate Medical University Medical Heart Center Tadashi Sasaki

3．Current Status and Perspective of Endovascular Treatment Kokura Memorial Hospital Yoshimitsu Soga

4．The Technique of Peripheral Artery Operation and Support

National Hospital Organization Kyoto Medical Center Hidenori Asada

Expert Lectures

Expert Lecture 1

April 12 (Fri.)15：00～15：50（503） Chairman Gunma Prefectural College of Health Sciences Akio Ogura

「MRI Techniques Useful in the Medical」 Tokai University Hospital Muro Isao

Expert Lecture 2

April 14 (Sun.)10：50～11：50（503） Chairman Tenri Hospital Nishiki Shigeo

「What Will Bring Medical Informatics?」

National Institutes for Quantum and Radiological Science and Technology Yasuo Okuda

Segi Award Winner's Lecture

April 12 (Fri.)11：20～11：50（502）　Chairman　Osaka General Medical Center　Masao Funahashi

「Development of Body Phantom for Evaluation of Appropriate Administered Radioactivities and Image Quality on ^{99m}Tc-DMSA Scintigraphy in Pediatric Nuclear Medicine」　Kurashiki Central Hospital　Akio Nagaki

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

April 14 (Sun.)12：00～12：45（501）　Chairman　Kumamoto University　Junji Shiraishi

1）Basic Concept of Editorial Policy in RPT

The University of Chicago　Kunio Doi

2）Most Citation Award Ceremony

A）Diagnostic Imaging

RPT Vol.11, No.2　Chairman　Teikyo University　Shigehiko Katsuragawa

Tilted-wire Method for Measuring Resolution Properties of CT Images Under Extremely Low-contrast and High-noise Conditions　Tohoku University　Chiaki Tominaga

B）MRI, Nuclear Medicine and Informatics

RPT Vol.11, No.3　Chairman　Kitasato University　Tomoyuki Hasegawa

Computer-aided Diagnosis with Radiogenomics: Analysis of the Relationship between Genotype and Morphological Changes of the Brain Magnetic Resonance Images　Kumamoto University　Chiharu Kai

C）Radiation Therapy Physics

RPT Vol.11, No.2　Chairman　Association for Nuclear Technology in Medicine　Masahiro Endo

Estimation of Linear Energy Transfer Distribution for Broadbeam Carbon-ion Radiotherapy at the National Institute of Radiological Sciences

National Institute of Radiological Sciences Hospital　Nobuyuki Kanematsu

JSMP-JSRT Joint Educational Lecture

April 13 (Sat.)13：00～13：50（501）　Chairman　Tokyo Metropolitan University　Kazumasa Inoue

「Shine a Light on Cancer: Bioimaging and Nanomedicine」　Harvard Medical School　Hak Soo Choi

Invited Lectures

Invited Lecture 1

April 12 (Fri.)15：00～16：00（502）

Chairman　Kindai University Graduate School of Medical Sciences　Hajime Monzen

「The Physics and Clinical Implementation of MR-LINAC」　Cross Cancer Institute　Gino Fallone

Invited Lecture 2

April 13 (Sat.)13：00～14：00（502）　Chairman　Tokyo Metropolitan University　Yoh Katoh

Tokyo Women's Medical University/Waseda University　Yuka Matsuura

「Increased Lead Hazards to Radiologists and Radiographers in Hospitals」

Chung Shan Medical University　Peter Chang

Tzu Chi University　Mao-Chin Hung

Invited Lecture 3

April 12 (Fri.)8：50～9：50（502）　Chairman　Gunma Prefectural College of Health Sciences　Akio Ogura

「Brave New World of Radiological Technology」　Stanford University　Michael E Moseley

Symposia

Symposium 1

April 14 (Sun.)8：50～10：50（503）　Chairman　Hokkaido University　Katsuhiko Ogasawara

「Artificial Intelligence and Radiological Imaging Technology」

1．Artificial Intelligence in Medical Imaging　Osaka University　Takayuki Ishida
2．Radiological Diagnosis and Technical Information as the Data Contents
Tohoku University Hospital　Hiroshi Sakamoto
3．Capability of Radiology Using Imaging AI - Industrial Point of View
CANON MEDICAL SYSTEMS CORPORATION　Shinya Sugiyama
4．AI in Diagnostic Radiology in United States　Mayo Clinic　Naoki Takahashi

Symposium 2

April 13 (Sat.)8：50～10：50（501）　Chairman　Ibaraki Prefectural University of Health Sciences　Hiroyuki Tsushima
Tsukuba International University　Noriyuki Yanagawa

「Preparedness for Radiological Imaging － For Proper Diagnosis and Treatment of Malignant Tumors －」

1．Introduction　Ibaraki Prefectural University of Health Sciences　Hiroyuki Tsushima
2．Role of X-ray CT and Tips for Exposure Dose　Shizuoka Cancer Center　Atsushi Urikura
3．Full Power Multi-parametric-MRI　Toranomon Hospital　Kei Fukuzawa
4．Fundamentals and Practical Aspects of Ultrasonic Examination
The Jikei University Hospital　Hironori Yamakawa
5．Characteristics of Nuclear Medicine and Ingenuity in Examination
Hokkaido University Hospital　Keiichi Magota

Symposium 3

April 13 (Sat.)15：00～17：00（503）　Chairman　Osaka University　Takayuki Ishida
Osaka University Hospital　Hiroaki Matsuzawa

「Construction of Framework for Medical Safety - Break through the Shells of Modalities -」

1．Medical Safety in Nuclear Medicine Department　Toyohashi Municipal Hospital　Hajime Ichikawa
2．Challenge for the Security from IVR　Osaka City University Hospital　Takao Ichida
3．Establishment of Medical Safety System from Medical Information Field.
Kumamoto University Hospital　Shuichi Tochihara
4．The Pitfalls in General Radiography　Nara Medical University Hospital　Mitsuhiro Nakamae
5．I Reconsider CT and MRI Medical Safety　Tsukuba International University　Noriyuki Yanagawa
6．Errors in Radiation Therapy -What Is the Cause of Human Errors-
Osaka Saiseikai Noe Hospital　Toshijiro Yamamoto

Executive Committee Symposium

The Milestones in Research on Radiological Technology -Discovering Your Horizons, Expanding Your World-

April 12 (Fri.)9：50～11：20（502）

Chairman　Tokyo Women's Medical University/Waseda University　Yuka Matsuura
Kyorin University　Eisuke Sato

1．Let's Get Started Research !!　International University of Health and Welfare　Kenta Miwa
2．Good Research Starts with Good Questions!　Sapporo Medical University Hospital　Hiroyuki Takashima
3．Let's Jump Out to the World through Preclinical Research　Kanazawa University　Masato Kobayashi
4．Vertical and Transverse Expansion in the Radiological Technology
University of Tokyo　Kousaku Saotome

Education Committee Sessions

Education Committee Session 1

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

Chairman　Niigata University Medical and Dental Hospital　Tsutomu Kanazawa

Hiroshima University Hospital　Koumei Takauchi

「Liver Disease - Diagnosis and Treatment」

1．Diagnosis of Hepatocellular Carcinoma Using Gadoxetic Acid-enhanced MRI

Hiroshima University　Yuko Nakamura

2．Imaging Technique of Hepatobiliary Pancreas and Surgical Support Image

Sapporo Medical University Hospital　Kohei Harada

3．What Is Required for Liver MRI　Tokyo Medical University Hospital　Yoichi Araki

4．Novel Liver Surgery with 3D Simulation and Fluorescence-guided Navigation

Hyogo College of Medicine　Etsuro Hatano

Education Committee Session 2

April 13 (Sat.)12：00～12：45（F203 + 204）

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

「Are You in Trouble Searching for Papers?!」

1．Learn the Technique of Collecting Academic Information from Librarians -1

National Institutes for Quantum and Radiological Science and Technology　Shun Nagaya

2．Learn the Technique of Collecting Academic Information from Librarians -2

National Institutes for Quantum and Radiological Science and Technology　Saki Sugahara

3．Learn the Technique of Collecting Academic Information from Librarians -3

National Institutes for Quantum and Radiological Science and Technology　Sakie Hagiwara

Education Committee Session 3

April 12 (Fri.)12：00～12：45（F201 + 202）　Chairman　Gifu University of Medical Science　Hiroko Nishide

「Introduction to Epidemiological Study for EBM」　Dokkyo Medical University　Gen Kobashi

Educational Lectures

Educational Lecture 1 (Diagnostic Imaging)

April 12 (Fri.)8：50～9：50（503）　Chairman　Tsukuba International University　Noriyuki Yanagawa

「Usefulness of Dual Energy Imaging in Clinical Practice」　Hiroshima University　Fuminari Tatsugami

Educational Lecture 2 (Radiation Protection)

April 12 (Fri.)8：50～9：50（414 + 415）　Chairman　Nagoya Medical Center　Yoshiaki Hirofuji

「The Near Future Technology of Dose Calculation Management System」　LISIT, Co., Ltd.　Shuji Yamamoto

Educational Lecture 3 (Imaging Sciences)

April 12 (Fri.)15：00～16：00（501）　Chairman　Kumamoto University　Junji Shiraishi

「First Step for Deep Learning」　Gifu University　Takeshi Hara

Educational Lecture 4 (Measurement)

April 13 (Sat.)8：50～9：50（502）　Chairman　Tokyo Metropolitan University　Yoh Katoh

「From Basic to Application of Servey Meter」　Hitachi, Ltd. Healthcare Business Unit　Kuniyuki Sayama

Educational Lecture 5 (Medical Informatics)

April 13 (Sat.)8：50～9：50（503）　Chairman　Tohoku University Hospital　Sakamoto Hiroshi

「System Data Analysis and Use Case」　Asahikawa Medical University　Yuji Tani

Educational Lecture 6 (Diagnostic Imaging)

April 13 (Sat.)14：00～15：00（501）　Chairman　The Jikei University Kashiwa Hospital　Hisashi Kitagawa

「Mr Examination of the Central Nervous System」　Teikyo University　Keiko Toyoda

Educational Lecture 7 (Nuclear Medicine)

April 13 (Sat.)14：00～15：00（502）　Chairman　Kurashiki Central Hospital　Akio Nagaki

「Approach to Normal Database of Brain PET and SPECT」

National Center of Neurology and Psychiatry　Hiroshi Matsuda

Educational Lecture 8 (Diagnostic Imaging)

April 14 (Sun.)8：50～9：50（502）　Chairman　Tsukuba International University　Noriyuki Yanagawa

「IVR-CT　-Born and Raised-」　Shizuoka Cancer Center　Takeshi Aramaki

Educational Lecture 9 (Radiotherapy)

April 14 (Sun.)8：50～9：50（National Convention Hall）

Chairman　Nagoya University Graduate School of Medicine　Oguchi Hiroshi

「Current Clinical Status of Stereotactic Body Radiation Therapy」

Hiroshima University Hospital　Tomoki Kimura

Scientific Divisions

85th Imaging Sciences Division

April 12 (Fri.)16：00～18：00（501）　Chairman　Hiroshima International University　Megumi Yamamoto

「Let's Begin Image Study by Deep Learning」

1．Deep-learning and Imaging Studies Beginning with Neural Network Console

Hiroshima International University　Ikuo Kawashita

2．How to Do Deep Learning Using DIGITS

Research Institute for Brain and Blood Vessels-Akita　Noriyuki Takahashi

3．Fundamentals of Deep Learning for Beginners　Gifu University　Daisuke Fukuoka

4．I Started Image Study Using Deep Learning　Gifu University of Medical Science　Norimitsu Shinohara

78th Nuclear Medicine Division

April 13 (Sat.)15：00～17：00（502）　Chairman　Chiba University Hospital　Takashi Iimori

Tohoku University Hospital　Odagiri Hayato

「Reconsideration of Nuclear Neuroimaging」

1．Transition of Research in the Cerebral Blood Flow Statical Image Analysis

Shimane University　Yasushi Yamamoto

2．Quantitative Brain PET: From Acquisition to Image Analysis

Research Institute for Brain and Blood Vessels-Akita　Masanobu Ibaraki

78th Radiotherapy Division

April 14 (Sun.)9：50～11：50（National Convention Hall）

Chairman　National Cancer Center Hospital East　Takaki Ariji

The Cancer Institute Hospital　Masaru Nakajima

「Utilization of General Purpose Linear Accelerator for Stereotactic Body Radiotherapy」

1．Dosimetry of Small Field and FFF Beams　Osaka University Hospital　Yuichi Akino

2．Radiation Treatment Planning in SBRT　Ofuna Chuo Hospital　Yohei Oku

3．The Present Situation of SBRT in Yamanashi University Hospital

University of Yamanashi Hospital　Hidekazu Suzuki

4．Current Situation of SBRT with a Varian Linacnknown

Hiroshima University Hospital　Daisuke Kawahara

5．General Purpose High Precision Linear Accelerator Stereotactic Body Radiotherapy Using Markers

National Cancer Center Hospital East　Hajime Ohyoshi

72nd Diagnostic Imaging Division

April 14 (Sun.)9：50～11：50（502）　Chairman　Osaka City University Hospital　Takao Ichida

Kawasaki Municipal Hospital　Hiroyuki Miyake

「Theme A: General Radiography

Advanced IVR-CT (Angio-CT) as new solution」

1．The Utilization in Abdominal Area for IVR　Shizuoka Cancer Center　Takahiro Ito

2．The Utilization and Radiation Protection in Non Vascular IVR

Kumamoto University Hospital　Daisuke Sakabe

3．The Utilization in Peripheral Vessel IVR　Osaka City University Hospital　Shinichiro Izuta

4．The Utilization in Neuroendvascular Therapy

Saitama Medical University International Medical Center　Hideyuki Suzuki

5．The Utilization of IVR-CT in Cardio Vascular Field　Osaka University Hospital　Makoto Nagayoshi

6．The Utilization of 2 Rooms Type Hybrid-ER System

Saiseikai Yokohamashi Tobu Hospital　Naoyuki Inagaki

72nd Diagnostic Imaging Division

April 12 (Fri.)9：50～11：50（503）　Chairman　Fujita Health University Hospital　Yoshihiro Ida

National Cancer Center Hopital East　Keiichi Nomura

「Theme B: CT

Clinical Application of Dual Energy CT -Toward Standardization of Dual Energy CT-」

1．Basic Properties of Various Dual-energy CT Systems　Kurume University Hospital　Hidefumi Kuroki

2．Clinical Impact of Dual Energy Technology in the Head and Neck Imaging

Saiseikai Saitama Hospital　Hironobu Tomita

3．Clinical Impact of Dual Energy Technology in the Chest and Cardiac Imaging

Mie University Hospital　Naoki Nagasawa

4．Clinical Impact of Dual Energy Technology in the Abdominal Imaging

Gifu University Hospital　Toshiharu Miyoshii

5．Clinical Impact of Dual Energy Technology in the Bone Imaging

Toyama Rosai Hospital　Toshiyuki Nomizu

72nd Diagnostic Imaging Division

April 13 (Sat.)15：00～17：00（501）　Chairman　The Jikei University Kashiwa Hospital　Hisashi Kitagawa

Gunma Prefectural College of Health Sciences　Norio Hayashi

「Theme C: MR

Reconsideration of Pulse Sequence Aiming at Standardization of MRI Imaging」

1．MR Imaging of the Brain: Basic Principles and Practice　Tottori University Hospital　Eijiro Yamashita

2．What Do You Think about Standardization of Cardiac and Major Vessel MRI?

Kumamoto University Hosipital　Kosuke Morita

3．Reconsideration of Pulse Sequence Aiming at Standardization of MRI Imaging (Breast Resion)

Kameda General Hospital　Yoshiaki Kato

4．Basic and Practical Sequences for MR Imaging of the Spine and Spinal Cord

Tokai University Hospital　Shuhei Shibukawa

53rd Measurement Division

April 13 (Sat.)9：50～11：50(502)　Chairman　Nagoya University　Shuji Koyama
Inagi Municipal Hospital　Kouichirou Ochiai

「Leak Dose Measurement Using Survey Meter」

1．Calibration of the Survey Meter Used in the Realm of Diagnostic X-rays
Ibaraki Prefectural University of Health Sciences　Hitoshi Sato

2．Establishment of Calibration System　Nagoya University　Shuji Koyama

3．Mesurement for Leakage X-ray from X-ray Rooms　IKEN Engineering co., Ltd.　Hiroyasu Hosonuma

4．Actual Measurement of Leakage Dose for Medical X-ray Imaging Facilities
Kanazawa University Hospital　Kimiya Noto

48th Radiation Protection Division

April 12 (Fri.)9：50～11：50(414 + 415)　Chairman　Kawasaki University of Medical Welfare　Yasutaka Takei
Osaka International Cancer Institute　Minoru Kawamata

「Medical Exposure Managements in Using Radiation Dose Management System」

1．Experience of Using the Radiation Dose Management System and Future Problems
Kumamoto Regional Medical Center　Yusuke Yamashita

2．Medical Exposure Managements in Using Radiation Dose Management System in National Center for Child Health and Development.　National Center for Child Health and Development　Rumi Imai

3．Usage Experience of a Dose Management System Using Medical Cloud Service
Okayama University Hospital　Noriaki Akagi

4．The Utilization of Dose Management System　Fukuoka University Hospital　Tokitaka Ueno

33rd Medical Informatics Division

April 13 (Sat.)9：50～11：50(503)　Chairman　Toyohashi Municipal Hospital　Masatoshi Harase
University of Fukui Hospital　Yuriko Otani

「Required Data Sets in Radiology Department」

1．Investigation of a Critical Information for Radiography　Shizuoka Children's Hospital　Issei Hokkyou

2．Required Data Set for Radiology Information System by Experience of Data Analyst
Toyohashi Municipal Hospital　Masatoshi Harase

3．Consideration of Required Data for Medical Safety　Ofuna Chuo Hospital　Yousuke Aoki

4．PDCA of Radiation Duties Using Data － Based on the Experience of Achieving JCI Certification －
Juntendo University Hospital　Yosuke Kogure

Expert Subcommittee Lecture

Expert Subcommittee Lecture (Imaging Sciences)

April 12 (Fri.)8：00～8：45(502)　Chairman　Suzuka University of Medical Science　Ryo Higashide

「Characteristic Curve and Contrast of X-ray Image」　Tsukuba International University　Satoshi Yanagita

Expert Subcommittee Lecture (Diagnostic Imaging)

April 12 (Fri.)8：00～8：45(503)　Chairman　Fujita Health University Hospital　Yoshihiro Ida

「To Understand Chest CT Images」　Tsukuba International University　Noriyuki Yanagawa

Expert Subcommittee Lecture (Radiation Protection)

April 12 (Fri.)8：00～8：45(414 + 415)　Chairman　Nagoya Medical Center　Yoshiaki Hirofuji

「Basic Concepts and Primary Organizations for Radiation Protection」
Kanazawa University　Kosuke Matsubara

Expert Subcommittee Lecture (Measurement)

April 12 (Fri.)8：00～8：45（F201 + 202）　Chairman　Inagi Municipal Hospital　Ochiai Kouichirou

「Measurement of Exposure and Air Kerma」　Fujita Health University　Yasuki Asada

Expert Subcommittee Lecture (Nuclear Medicine)

April 12 (Fri.)8：00～8：45（F203 + 204）　Chairman　Kanazawa Medical University　Koichi Okuda

「Principle of SPECT and SPECT/CT Apparatus and the Concept of Data Acquisition, Collimator Type and Performanc」　Fujita Health University　Takashi Ichihara

Expert Subcommittee Lecture (Diagnostic Imaging)

April 13 (Sat.)8：00～8：45（501）　Chairman　Nara Medical University Hospital　Mitsuhiro Nakamae

「Explanation of Necessary Radiographic Technology for Diagnostic Imaging」

Tokyo Medical University Hospital　Tsuyoshi Yokoyama

Expert Subcommittee Lecture (Measurement)

April 13 (Sat.)8：00～8：45（502）　Chairman　Nagoya University　Shuji Koyama

「Entrance Skin Dose」　Kanazawa University Hospital　Kimiya Noto

Expert Subcommittee Lecture (Medical Informatics)

April 13 (Sat.)8：00～8：45（503）　Chairman　Hokkaido University of Science　Takumi Tanikawa

「Description Method and Analysis of the Workflow」

Osaka International Cancer Institute　Minoru Kawamata

Expert Subcommittee Lecture (Nuclear Medicine)

April 13 (Sat.)8：00～8：45（F203 + 204）　Chairman　International University of Health and Welfare　Kenta Miwa

「Radionuclide Therapy of Thyroid Cancer with 131I and Novel Theranostics」

Fukushima Global Medical Science Center　Noboru Oriuchi

Expert Subcommittee Lecture (Radiotherapy)

April 13 (Sat.)12：00～12：45（F201 + 202）　Chairman　Yamagata University Hospital　Koji Suzuki

「Guidance for Dosimetry of Absorbed Dose to Water in Brachytherapy」

Kindai University　Takahiro Yamada

Expert Subcommittee Lecture (Imaging Sciences)

April 14 (Sun.)8：00～8：45（501）　Chairman　Tohoku University Hospital　Shu Onodera

「Various X-ray Imaging Systems」　Chuoh College of Medical Technology　Masahiro Nakajima

Expert Subcommittee Lecture (Diagnostic Imaging)

April 14 (Sun.)8：00～8：45（502）　Chairman　The Jikei University Kashiwa Hospital　Hisashi Kitagawa

「The Basic of Various MRA」　Toranomon Hospital　Kei Fukuzawa

Expert Subcommittee Lecture (Radiation Protection)

April 14 (Sun.)8：00～8：45（503）　Chairman　Asahi General Hospital　Takayuki Igarashi

「Theory of Risk Communications」　Kawasaki University of Medical Welfare　Yasutaka Takei

Expert Subcommittee Lecture (Medical Informatics)

April 14 (Sun.)8：00～8：45（F201 + 202）

Chairman　Japan Medical Imaging and Radiological Systems Industries Association　Makoto Suzuki

「Imaging Information in the Regional Medical Cooperation」

Minamata City General Hospital & Medical Center　Yamazawa Junichi

Expert Subcommittee Lecture (Radiotherapy)

April 14 (Sun.)8：00～8：45（National Convention Hall）　Chairman　Miyakojima iGRT Clinic　Daisaku Tatsumi

「Clinical Experience of IGRT Using the Optical 3D Surface Registration System」

Tokyo Bay Advanced Imaging & Radiation Oncology Clinic-MAKUHARI　Wataru Yokohama

Executive Committee Sessions

Executive Committee Session 1

April 12 (Fri.)12：00～12：45（502）　Chairman　Osaka University Hospital　Hiroaki Matsuzawa

「Development of Microwave Scattering Field Tomography for Next-generation Breast Cancer Screening」

Kobe University　Kenjiro Kimura

Executive Committee Session 2

April 12 (Fri.)12：00～12：45（501）　Chairman　Hiroshima International University　Ikuo Kawashita

「Basic Statistics for Medical Research」　Hyogo College of Medicine　Takashi Daimon

Executive Committee Session 3

April 12 (Fri.)12：00～12：45（414 + 415）　Chairman　Kobe University Hospital　Katsusuke Kyotani

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

Miyakojima iGRT Clinic　Daisaku Tatsumi

Executive Committee Session 4

April 12 (Fri.)12：00～12：45（503）　Chairman　The Jikei University School of Medicine　Kiyokazu Iida

「On-line Adaptive Magnetic Resonance Guided Radiotherapy」

National Cancer Center Hospital　Tatsuya Sakasai

Executive Committee Session 5

April 13 (Sat.)12：00～12：45（501）　Chairman　Hiroshima International University　Ikuo Kawashita

「Correct a Mistake or Misunderstanding in Statistical Data Analysis! - Revisit Independent Two-sample Tests for Quantitative Data」　Hyogo College of Medicine　Takashi Daimon

Executive Committee Session 6

April 13 (Sat.)12：00～12：45（503）　Chairman　The Jikei University Hospital　Kiyokazu Iida

「Neural Network Console to Accelerate Utilization of Deep Learning」

Sony Network Communications Inc.　Yoshiyuki Kobayashi

Executive Committee Session 7

April 13 (Sat.)12：00～12：45（414 + 415）

Chairman　Ibaraki Prefectural University of Health Sciences　Hiroyuki Tsushima

「Why We Ask You to Have Your Specialty in JSRT」　Kumamoto University　Junji Shiraishi

Executive Committee Session 8

April 13 (Sat.)14：00～15：00（503）　Chairman　Osaka University Hospital　Hiroaki Matsuzawa

「Human Errors in Medical Radiology Work」　Safety Promotion Engineering Co.　Ryutaro Kawano

Executive Committee Session 9

April 14 (Sun.)12：00～12：45（503）　Chairman　Osaka University Hospital　Hiroaki Matsuzawa

「Radiomics and Precision Surgery Using Virtual, Augmented, Mixed Reality and Artificial Intelligence」

Research Center for Advanced Science and Technology, The University of Tokyo　Masaki Sugimoto

Executive Committee Session 10

April 14 (Sun.)12：00～12：45（502）

Chairman　Ibaraki Prefectural University of Health Sciences　Hiroyuki Tsushima

「Your FIRST Publication in English Made Ridiculously Easy」　The University of Tokyo　Eriko Maeda

Executive Committee Session 11

April 14 (Sun.)12：00～12：45（414 + 415）　Chairman　International University of Health and Welfare　Kenta Miwa

「The Radiation Dose Management of Nuclear Medicine Equipment for SPECT-CT and PET-CT」

Chiba University Hospital　Takashi Iimori

English Presentation Support Seminar

English Presentation Support Seminar 1

April 13 (Sat.)12：00～12：45（502）　Chairman　Kanazawa University　Rie Tanaka

「Basic Technique of Academic Presentation in English: Arrangement & Deign」

Kumamoto University Hospital　Ryuji Ikeda

English Presentation Support Seminar 2

April 14 (Sun.)12：00～12：45（F201 + 202）　Chairman　Kanazawa University　Rie Tanaka

「How to Write English Abstract」　Komazawa University　Taiki Magome

JIRA Workshop

Radiation Dose Management on a Clinical Site

April 13 (Sat.)14：00～15：00（414 + 415）

Chairman　Cent-Medical Associates Inc./Nagoya Medical Center　Yoshiaki Hirofuji

Bayer Yakuhin, Ltd　Hiroaki Yamauchi

1．Dose Information on X-ray CT System

CANON MEDICAL SYSTEMS CORPORATION　Yukihiro Ogawa

2．Dose Indications and Units for IVR System　Hitachi, Ltd.　Yuji Oda

3．Relationships between Dose Management System and Modalities　Bayer Yakuhin, Ltd　Hiroaki Yamauchi

4．Dose Value Display in CT and IVR System (Report from the Clinical Site)

Chiba Kaihin Municipal Hospital　Takashi Takagi

Forums

Patient safety /Radiation Protection Joint Forum

April 13 (Sat.)15：00～17：00（414 + 415）　Chairman　National Cancer Center Hospital　Tomohiko Aso

Yamanashi University Hospital　Hajime Sakamoto

「Correspondence to Medical Care Act for Proper Management of Medical Radiation」

1．Management of Radiation Protection in Medicine in Accordance with Laws and Regulations

Hideaki Kitamura

2．On the Role of Medical Radiation Safety Manager and Patient Safety Management Guidelines

Teikyo University Hospital　Kyouji Higashimura

3．Practical Proposal of a Radiation Safety Training Program for Medical Radiation Workers

Gunma Paz University　Hiroshi Watanabe

4．Medical Exposure Managements and Recording in Patient Safety
Kawasaki University of Medical Welfare　Yasutaka Takei
5．On-site Response in Safety Management of Medical Exposure　Kyoto University Hospital　Koji Koizumi

Standardization Forum

April 13 (Sat.)10：20～11：50（Harbor Lounge B）　Chairman　Toranomon Hospital　Junji Takahashi
National Cancer Center East Hospital　Shouichi Katsuta
Odawara Circulation Hospital　Yoshio Imai
JVCKENWOOD Corporation　Mikio Hasegawa

「20th Standardization Forum
Quality Assurance and Standardization for Radiological Equipment of Medicine －
Understanding of Existing JIS and Commentary on the Draft Deliberated in 2018.」

1．JIS Z 4950:20**　Graphical Symbols and Sign for Magnetic Resonance Equipment for Medical Diagnosis
Siemens Healthcare　Katsuya Maruyama
2．JIS T 62667:20**　Medical Electrical Equipment - Medical Light Ion Beam Equipment - Performance Characteristics　Hitachi, Ltd.　Kazuo Tomida
3．The Value of JIS for Which Understanding is Desired － Irradiation Time: 75% Error (± 10% ＋ 1 ms) and Transient Irradiation Prevention: 50 mGy/min, 125 mGy/min －
Odawara Cardiovascular Hospital　Shigeru Miyazaki
4．On the Definition of Medical Display: Standards, Recommendations and Harmonization Efforts
Center for Devices and Radiological Health　FDA (Food and Drag Association)　Aldo Badano

Radiation Safety Management Forum

April 13 (Sat.)13：00～14：00（Harbor Lounge B）　Chairman　Kyushu University　Toshiou Fujibuchi
Gunma Paz University　Hiroshi Watanabe

「Toward Improving the Quality of Radiation Safety Culture」

1．Our Challenge to Improve Safety Culture in Radiation Work Place
St. Marianna University School of Medicine Hospital　Yoshiaki Maehara
2．Effects on Quality Improvement through External Evaluation of Medical Safety and Infection Control
Teikyo University School of Medicine University Hospital, Mizonokuchi　Hitoshi Hiraki

Next Generation Session

April 12 (Fri.)17：00～18：00（N101）　Chairman　Osaka University Hospital　Hiroaki Matsuzawa
Kobe University Hospital　Wakiko Tani

1．Kanazawa University　Kota Ikarashi
2．Tokyo Metropolitan University　Daiki Ito
3．Kanazawa University　Nozomi Ishihara
4．Kumamoto University　Natsumi Wada
5．Fujita Health University　Yusei Nishihara
6．Kumamoto University　Nanako Kishimoto
7．Osaka University　Yukino Ohta
8．Tokyo Metropolitan University　Tetsushi Habe

Overseas Visitors Conference

International Exchange Program

April 12 (Fri.)10：00～12：45（Harbor Lounge B）　General Moderator　Kanazawa University　Rie Tanaka
Kanazawa University　Kosuke Matsubara

1. Opening Greetings

2. International Joint Symposium: Current Status of DRLs in Asia
Chairman　Kanazawa University　Kosuke Matsubara
Asahi General Hospital　Takayuki Igarashi
「Establishing DRLs in Malaysia: Challenges and Solutions」　Taylor's University　Chai Hong Yeong
「CT DRLs in Thailand: The Current Status」　Chulalongkorn University　Panruethai Trinavarat
「Activities for Establishing DRLs in South Korea」
Korea Institute of Radiological & Medical Sciences　Su Chul Han
「Outline of Japan DRLs 2015 and Activities for Revising DRLs」　Kanazawa University　Kosuke Matsubara

3. International Session: What's New on Your Society?
Chairman　Fujita Health University, School of Health Sciences　Katsumi Tsujioka
Gunma Paz University　Hideki Kato
「JSRT」　Tsukuba International University　Noriyuki Yanagawa
Saito Yukoukai Hospital　Yasunobu Fukunishi
Osaka General Medical Center　Kazuyuki Kashiyama
「CSIT」
「KSRS」
「TMPS」
「TWSRT」

4. Luncheon Seminar　Chairman　Kanazawa University　Rie Tanaka
「Introduction of Radiological Physics and Technology (RPT)」　The University of Chicago　Kunio Doi
「Research Ethics in JSRT」　Kumamoto University　Junji Shiraishi

Oral Presentation

★：English Presentation

April 11 (Thu.)　501

Imaging Techniques and Research (MR) Brain

13：00～13：40　Chairman　Kosaku Saotome（The University of Tokyo）
Kazunori Yamakoshi（Jichi Medical University Hospital）

★ 1．Preliminary Study on New Parallel Imaging for 3D-T2 Weighted Images
Department of Radiology, Department of Medical Technology, Oita University Hospital　Naofumi Minami

2．Examination of Positional Relationship between Trigeminal Neuralgia and Surrounding Microvessels.
Department of Radiological Technology, Showa University Hospital　Masaki Fujita

3．Influence of Different Injection Speed on Dynamic Contrast-Enhanced Head MRI for Patients with Moderate Renal Dysfunction
Okayama Rosai Hosapital　Masakazu Nagamatsu

★ 4．Deep Learning Base Noise Reduction Method for Various Kinds of Contrast of MRI
MRI System Division, Canon Medical Systems　Masahito Nambu

Imaging Techniques and Research (MR) Diffusion

13：50～15：00　Chairman　Daisuke Yoshimaru（Tokyo Women's Medical University Yachiyo Medical Center）
Yoshihiro Kitou（Shinshu University Hospital）

5．Effects of Differences of Diffusion Encoding Schemes on Image Quality in Single Shot EPI and Readout Segmentation of Long Variable Echo-trains
Department of Radiology, Meiseikai shiokawa Clinic　Tatsuya Yamashita

★ 6．Diffusion Weighted Imaging Using Iterative Noise Reduction
Healthcare Business Unit, Hitachi, Ltd.　Hiroki Shoji

7．Examination of Personal Error in Measurement of Apparent Diffusion Coefficient
Department of Radiological Technology Imaging Center, Kita-Fukushima Medical Center　Takahiro Sokawa

★ 8．A Comparison of Smokers and Non-smokers of Blood Apparent Diffusion Coefficient Value Using Second-order Motion Compensation DWI
Department of Radiology, Tokai University Hospital　Naofumi Aida

★ 9．Improvement Measurement Accuracy of an Arterial Blood Apparent Diffusion Coefficient Value Using Second-Order Motion Compensation DWI
Department of Radiology, Tokai University Hospital　Susumu Takano

★ 10．Quantitative Evaluation of ADC and Contrast-to-noise Ratio in TSE-DWI Using QIBA Phantom
Division of Radiology, Department of Medical Technology, Kyushu University Hospital　Shiho Yamane

★ 11．Triexponential Diffusion Analysis of the Kidney Before and After Water Challenge
Department of Radiological Technology, Kanazawa University Hospital　Yuki Koshino

Imaging Techniques and Research (MR) Abdomen

15：10～16：00　Chairman　Riichiro Nagashima（Kitakyushu Municipal Medical Center）
Ryohei Funatsu（Kyushu University Hospital）

12．Reduction of Motion Artifacts by Increasing of the Number of Phase Encoding Steps in 3D-T1W Gradient Echo Sequence
Department of Radiation Technology, Hyogo Ion Beam Medical Center　Kazushi Ikeuchi

13．The Effective TE Dependence of Time-SLIP Signal in Slow Flow Rate Region Assumed Pancreatic Juice Flow
Sendai Open Hospital　Hideki Hoshi

★ 14．Comparison of Compressed Sensing SENSE Versus GRASE on Breath Hold 3D-MRCP
Division of Clinical Radiology Service, Kindai University Hospital　Daisuke Morimoto

★ 15．Influence of K-space Filling Factor on Image Quality in 3D-Radial Scan.
Central Division of Radiology, Hakodate Municipal Hospital　Ryohei Hatakeyama

★ 16．Optimization of Respiratory Sensor Position in Respiratory-gated MRI
Department of Radiology, National Hospital Organization Kumamoto Saisyunsou Hospital　Shogo Nishi

Imaging Techniques and Research (MR) Musculoskeletal

16：05～16：55　Chairman　Takayuki Sakai（Eastern Chiba Medical Center）
Koichi Ujita（Gunma University Hospital）

★ 17．Examination of T2-FFE Radial Sampling Sequence Using Pseudo Golden Angle
Department of Radiological Technology, Hyogo College of Medicine College Hospital　Wataru Jomoto

★ 18．Comparison of Isotropic 3D Sequence for Lateral Ankle Ligament
Div. of Radiology and Nuclear Medcine, Sapporo Medical Univ. Hospital　Yoshihiro Akatsuka

19．Measurement Elongation of the Patellar Tendon Using Three-Dimensional Imaging and Cine Imaging in Magnetic Resonance Imaging
School of Health Sciences Faculty of Medicine, Niigata University　Tatsuya Kondo

★ 20．Feasibility of Contrast-Enhanced Whole-Body Joint MRI in Patients with Juvenile Idiopathic Arthritis
Faculty of Health Sciences, Hokkaido University　Yutong Lu

21．Investigation and Verification of Extremely Short T2 * Value Phantom Using General Gadolinium Contrast Medium
Department of Diagnostic Imaging, Hiroshima University Hospital　Yuji Takahashi

Imaging Techniques and Research (MR) MR Elastography

17：00～18：00　Chairman　Kinya Ishizaka（Hokkaido University Hospital）
Tsutomu Kanazawa（Niigata University Medical & Dental Hospital）

22．Application of Multi-Slice MR Elastography for the Piriformis Muscle
Department of Radiological Science, Graduate School of Human Health Science, Tokyo Metropolitan University　Takamichi Ueki

23．Repeatability and Reproducibility of Psoas Major Muscle MR Elastography
Department of Radiological Science, Graduate School of Human Health Science, Tokyo Metropolitan University　Tetsushi Habe

24．The Influence of Propagation Wave Wavelength and Zero-fill Interpolation Process on MR Elastography
Department of Radiological Science, Graduate School of Human Health Science, Tokyo Metropolitan University　Toshiki Maeno

25．A New MR Elastography Method without MR Phase Image
Department of Radiological Science, Tokyo Metropolitan University　Tomokazu Numano

26．Simultaneous Acquisition of Diffusion MRI and MR Elastography: Diffusion-MRE
Department of Radiological Sciences, Graduate School of Human Health Sciences, Tokyo Metropolitan University　Daiki Ito

27．Development of Accessory for MR Elastography Quality Control by Using 3D Printer
Department of Radiological Science, Graduate School of Human Health Science, Tokyo Metropolitan University　Keisuke Igarashi

April 11 (Thu.)　502

Imaging Techniques and Research (CT) Head, Scan Technique

13：00～14：00　Chairman　Naoko Hamaguchi（Sapporo Azabu Neurosurgical Hospital）
Shuji Yamamoto（LISIT, Co., Ltd.）

★ 28．Making and Examination of the Cerebral Infarction Simulation Phantom Which can Evalution a Change with the Elapse of Time
Department Radiology, Center Hospital of the National Center for Global Health and Medicine　Tsubasa Sugihara

29．Performance Evaluation of Automated Reconstruction Method of Planar Image Along Orbitomeatal Line on Head CT Images
School of Health Sciences, Faculty of Medicine, Niigata University　Yudai Kanazawa

★ 30．Evaluation of Usefulness of Iterative Reconstruction for Brain in Hyperdense MCA Sign
Tokyo Metropolitan Police Hospital, Radiology Department　Hiroaki Tsuchiya

31．Evaluation of Pathology Using Time Phase Ratio Map in Multi-phase CT Angiography
Department of Radiology and Nuclear Medicine, Research Institute for Brain and Blood Vessels-Akita　Tomomi Ohmura

★ 32．The Feasibility Study of Microcirculation in Patients with Unilateral Middle Cerebral Artery Stenosis by 320-slice CT Perfusion (CTP)
Medical Imaging Center, The First Affiliated Hospital, Jinan University　Zhongyuan Cheng

★ 33．The Value of Head Computed Tomography Scanning for Assessing Concomitant Orbital Floor Fracture with Traumatic Brain Injury
Department of Radiology, National Yang-Ming University Hospital　Chun Yi Lin

Imaging Techniques and Research (CT) Chest, Clinical Technique

14：05～14：55　Chairman　Yoshihiro Nakaya（Shizuoka Cancer Center）
Shingo Kayano（Tohoku University Hospital）

34．Development of Consolidation Tool for Total Pulmonary Respiratory Dynamics CT
Diagnostic Imaging Center Ohara General Hospital　Shun Muramatsu

35．Optimal a Scan Interval in Respiratory Dynamics CT for Total Lung Imaging
Diagnostic Imaging Center Ohara General Hospital　Shun Muramatsu

36．Utility of Synchronous ECG with Arm Attached to the Chest Using Ultra High Resolution CT
Diagnostic Imaging Center Ohara General Hospital　Shun Muramatsu

★ 37．Effect of Patient Characteristics at 3D-CT for Pulmonary Artery/Vein Separation
Department of Radiological Technology, Kurashiki Central Hospital　Shota Ichikawa

★ 38．Effect of Reconstruction Algorithm Function on Separating Pulmonary Vessels Using 3D-workstation
Department of Radiological Technology, Kagoshima City Hospital　Yuta Kihara

Imaging Techniques and Research (CT) Abdomen, Colonography

15：00～15：50　Chairman　Kohei Harada（Sapporo Medical University Hospital）
Yoshihito Aikawa（University of Yamanashi Hospital）

39．An Investigation That the Differences Arm Position Contributes the Positional Relationship between Navel and Indicators on CT Colonography for Preoperation
Department of Diagnostic Imaging　Yusuke Akita

40．Examination of Influence of Colon Length and Volume on the Volume of Residual Stool and Tagging Quality in CT Colonography
Department of Radiology, Tokushima Kensei Hospital　Teruaki Iwano

41．Effect of Foaming Agent on Contrast Enhancement in Abdominal Preoperative Three-Dimensional Computed Tomography (3D-CT)
Department of Radiology, Okayama Red Cross Hospital　Ryota Yamanaka

42．Contrast Medium Dose Reduction in Combination with Low-tube Voltage CT Scanning: What Is the Optimal Iodine Contrast Medium Dose?
Steel Memorial Hirohata Hospital　Kazuya Fujiwara

43．Performance Evaluation of Iodine Contrast Boost Algorithm in CT Angiography: Application for Preoperative CT-angiography for Hepatobiliary-pancreatic Surgery
Division of Diagnostic Radiology　Yuta Suzuki

Imaging Techniques and Research (CT) Clinical Technique1

15：55～16：25　Chairman　Yosuke Kogure（Juntendo University Hospital）
Tadanori Takata（Kanazawa University Hospital）

44．Investigate of Cause of High Myocardial Blood Flow Value in OneShot Method Using Contrast CT and Devising Solution
Fujita Health University Graduate School of Health Sciences　Kohei Obata

★ 45．Feasibility Study of One-stop Computed Tomography Myocardial Perfusion Imaging in Coronary Artery Disease Using 16-cm Wide Detector CT
Department of Radiology, West China Hospital of Sichuan University　Keling Liu

★ 46．Clinical Significance of Delayed Enhancement of Cardiac CT Immediately after Percutaneous Coronary Intervention (PCI) in Patients with Acute Myocardial Infarction
Department of Radiology, Akita City Hospital　Masaaki Yamada

Imaging Techniques and Research (CT) Clinical Technique2

16：25～17：05　Chairman　Yoshihiro Ida（Fujita Health University Hospital）
Shigehiro Ochi（Eastern Chiba Medical Center）

★ 47．Assessment of Best Reconstruction Phase in Pediatric Coronary CT　Department of Radiology, Shimane University Hospital　Keiji Tada

48．Optimal Cardiac Phase on Coronary CT Angiography with Dual Source CT in Patients with High Heart Rate After Beta-blocker Administration
Division of Radiology, Kuwana City Medical Center　Hiroki Kato

★ 49．Relationship between Vessel Shape and Heart Rate of Coronary CT Angiography with Ultra-high-resolution CT - Phantom Study -
Division of Radiology, Department of Medical Technology, Kyushu University Hospital　Tsukasa Kojima

★ 50．Relationship between Heart Rate and Optimal Reconstruction Phase in Coronary CT Angiography Performed on a 256-slice Multi-detector CT
Tzu-Chi University of Science and Technology　Sze-Jan Pang

Imaging Techniques and Research (CT) Cardiac, Image Analysis

17：10～18：00　Chairman　Chikako Fujioka（Hiroshima University Hospital）
Satoshi Takita（Saga University Hospital）

51. Verification of Coronary Artery Calcification Extraction Algorithm Using Automatic Recognition Technology
Division of Central Radiology, Iwate Medical University Memorial Heart Center　Akinobu Sasaki

★ 52. Evaluation of Calcification Volumes and Agatston Scores on Small Focus Scanning Using Ultra High Resolution CT
Department of Radiology, The University of Tokyo Hospital　Hiroyuki Saigusa

53. Correlation of CT-detected Coronary Artery Calcification and Lifestyle-rerated Diseases Coronary Artery Calcification Evaluated by Low-dose Chest CT (General Health Screening)　Ehime General Health Care Assosiation　Akimasa Ueda

54. Usefulness of Four-Dimensional CT Imaging in a Catheter Ablation for Ventricular Arrhythmia
Department of Radiology Akashi Medical Center　Ryo Ogawa

★ 55. The Review of Image Quality Method for Determining Motion Artifact in Coronary CT Angiography
Department of Radiology, Kobe Red Cross Hospital　Takayuki Miyayasu

April 11 (Thu.)　503

Radiotherapy (Quality Control, Quality Assurance -1)

13：00～13：50　Chairman　Takaki Ariji（National Cancer Center Hospital East ）
Tetsuya Tomida（University of Tsukuba Hospital）

56. Verification of Holder System Accuracy in a New 3-Dimensional Water Phantom
Department of Radiology, Tottori Prefectural Central Hospital　Tomohiro Sunagawa

57. Verification of Water Surface Detection Sensor Accuracy in a New 3-dimensional Scanning Water Phantom
Department of Radiology, Tottori Prefectural Hospital　Yasuyuki Kihara

58. Usefulness of MLC QA Using Three Dimensional Semiconductor Detector in Picket Fence Test
Department of Radiology, Saiseikai Kawaguchi General Hospital　Mitsuhiro Seo

★ 59. Usability of Winston-Lutz Test: Accuracy Evaluation of Three-dimensional Isocenter Using a Reusable Radiochromic Gel Dosimeter
High-precision Radiotherapy Center, Hiroshima Heiwa Clinic　Keisuke Fujino

60. Development of QC Tool for Geometry Accuracy in Radiotherapy　Fukuoka Tokushukai Medical Center　Shigeo Anai

Radiotherapy (Quality Control, Quality Assurance -2)

14：00～14：50　Chairman　Hideki Aoyama（Okayama University Hospital）
Kenji Matsumoto（Kindai University Hospital）

★ 61. Can We Correct the Difference in Beam Profile Obtained with Different Ionization Chamber Dosimeters?
Department of Radiology, Miyagi Cancer Center　Kousuke Daikoku

62. Retrospective Analysis of MLC Failure Using Picket Fence Test　Fukuoka Tokushukai Medical Center　Seigo Murakami

63. Establishment of Simplified Quality Assurance Method in Electrometer Calibrated Separately
Graduate School of Health Sciences, Fujita Health University　Tatsuya Nakanishi

★ 64. Machine Specific Quality Control (QC) of Three Dimensional Conformal Radiotherapy (3DCRT) Technique for Linac: A Practical Proposal for Radiotherapy Centres in Bangladesh　Dept. of Medical Physics and Biomedical Engineering, Gono Bishwabidyalay (University)　Nupur Karmaker

★ 65. Evaluation of Stealth Chamber as a Novel Reference Chamber for Measuring Percentage Depth Dose and Profile
Department of Radiologic Technology, Choonhae College of Health Science　Yonlae Kim

Radiotherapy (Irradiation Technique -1)

15：00～15：50　Chairman　Ichiro Tsuruoka（National Institute of Radiological Sciences）
Satoshi Tanabe（Niigata University Medical & Dental Hospital）

66. Whether It Is Necessary to Move Patient's Roll Axis in 2D Image Matching Considering the Impact on the Dose Distribution.
Department of Radiology, National Cancer Center East　Yohei Takeda

67. Relationship between the Cranial Angle and Twisting of Cervical Vertebrae

Department of Radiation Oncology, Aichi Cancer Center Hospital　Takahiro Aoyama

68. Construction of Work Flow by Using Optical Body Surface Tracking System

Centre of Radiology Division, Teikyo University Hospital　Tomoyuki Kawai

69. Spatial Position Accuracy in S-IGRT Using New Surface Imaging System　Central of radiology, Teikyo University Hospital　Ryohei Uemura

70. Evaluation of 320 Area Detector CT Bed Right-Left Motion and New Respiratory Gating System

Radiological Technology, National Cancer Center Hospital　Tatsuya Sakasai

Radiotherapy (Irradiation Technique -2)

16：00～16：50　Chairman　Takehiro Shiinoki (Yamaguchi University)
Kenichi Ito (Tochigi Cancer Center)

★ 71. Estimation of Three-dimensional Lung Tumor Positions Based Respiratory Surrogate Signals during Breath-hold Stereotactic Body Radiation Therapy　Department of Radiology, Kyoto City Hospital　Kazunori Tanaka

72. Quantitative Analysis of Respiratory Lung Tumor Motion with and without Abdominal Compression

Department of Radiation Technology　Shota Maehira

★ 73. Evaluation of Uncertainty during Measuring Entrance Surface Dose in Image-guided Radiation Therapy

Cancer Institute Hospital of Japanese Foundation for Cancer Research　Hayato Tsuno

74. Visual Evaluation for Determining the Optimal Imaging Condition in the Position Verification for Cranial Tumor Using the Real-time Tracking System with Four X-ray Tubes and Flat Panel Detectors　Department of Radiation Oncology, Uonuma Kikan Hospital　Ryota Kuwabara

★ 75. Evaluation of a Novel Patient Specific Three-dimensional QA for Real-time Tumor-tracking System

Juntendo University Hospital, Department of Radiology　Naoya Hara

Radiotherapy (Irradiation Technique -3, Brachytherapy)

17：00～18：00　Chairman　Tomoharu Sato (The Cancer Institute Hospital of JFCR)
Daisuke Kobayashi (University of Tsukuba Hospital)

★ 76. Evaluation in Clinical Use of a High Adhesion Custom-made Bolus Using a 3D Printer with a Transparent and Soft Material

Shizuoka Cancer Center, Radiation and Proton Therapy Center　Noriaki Muramatsu

77. Contour Evaluation of Low Dose Respiratory Gating CT Image for Radiotherapy by Noise Reduction System

Department of Radiology, Shiga General Hospital　Taisuke Morimoto

78. Assessment of the Heart Dose Due to Different Breath Hold Position in Deep-inspiration Breath-hold Radiotherapy for Left-sided Breast Cancer

Department of Radiology, Kyoto City Hospital, Kyoto　Kenta Fukumoto

★ 79. Multicenter Study for Bladder Volume Reproducibility by Pretreatment Urine Collection in Prostate IMRT

Department of Radiological Technology, Showa University Hospital　Tomoki Fujii

★ 80. Intra-fractional Dose Variation of Organs at Risk in High Dose Rate Image-guided Brachytherapy for Cervical Cancer

Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University　Kana Edamitsu

★ 81. Evaluation of Amount of Applicator Displacement in Accelerated Partial Breast Irradiation by Using a Strut-based Design Brachytherapy Applicator.

Department of Radiological technology, Showa University Hospital　Tadashi Kubo

April 11 (Thu.)　414＋415

Medical Informatics (System Verification)

13：00～13：30　Chairman　Hirotaka Shimura (Tohoku University Hospital)
Masaru Sudo (Hiroshima Prefectural Hospital)

82. Consideration of Problems Related to Network Connection of Medical Image Related Devices

Department of Radiology, Toyama Univercity Hospital　Kouei Nagahama

★ 83. ROC Analysis on the Difference in Diagnostic Capability between a Mobile Device and a Medical Monitor

Department of Radiological Technologies, Faculty of Health Sciences, Hokkaido University of Sciences　Takumi Tanikawa

84. Construction and Evaluation of the Infrastructure System for Brain Information Communication Analysis Integrated with AI Environment
The Center for Information and Neural Networks, National Institute of Information and Communications Technology　Noriya Yokohama

Medical Informatics (System Construction)

13：35～14：05　Chairman　Tokitaka Ueno（Fukuoka University Hospital）
Mitsuo Yasuda（Kindai University Nara Hospital）

85. Study of the Comparison Method of Dose Information in Multiple Hospitals　Infocom Corporation, Healthcare Business Division　Eri Hisano

★ 86. Image Reading Efficiency Improvement by Operation Reduction of Image Reading Preparation for MRI Comparative Reading
Healthcare IT Division, Canon Medical Systems　Guang Yi Ong

★ 87. Development of a New System for KENZO (an Operation of Optimizing Image Quality) on the Spot
Division of Central Radiology, Osaka Medical College Hospital　Dai Goko

Medical Informatics (Data Analysis)

14：10～14：40　Chairman　Miyoko Fukuoka（Tokyo Women's Medical University Hospital）
Shuichi Tochihara（Kumamoto University Hospital）

★ 88. Analysis of Doubt Inquiry in the Examination of Radiation (X-ray)
Department of Radiological Technology, Showa University Fujigaoka Hospital　Junya Nakashima

★ 89. An Examination of Extraction and Evaluation of Medical Term Contribute to Assume Diagnosis from View of Image Diagnosis Report.
Department of Radiology, Miyazaki University Hospital　Rika Kuroki

★ 90. Research Trend regarding "Image" in Radiological Technology Using Text Mining
Faculty of Health Sciences, Hokkaido University of Science　Ayako Yagahara

Medical Safety

14：50～15：20　Chairman　Tatsuo Fukuchi（NTT Medical Center Tokyo）
Yosuke Yoshimura（University of Tsukuba Hospital）

91. Validation and Modeling of Radiographer Scheduling Problem Considering Skills and Training -A Case Study-
Division of Radiology, Department of Medical Technology, Osaka University Hospital　Kuniyuki Hidaka

★ 92. Quality Assessment for Protective Aprons Performed Using CT Scout Images and PACS Storage
Department of Radiology, Shinkomonji Hospital　Takahiro Ishihara

93. Medical Safety Measurment of CT Using FMEA　Department of Radiology, NTT Medical center Tokyo　Yuta Marumo

Medical Safty (MR)

15：30～16：10　Chairman　Takao Ishimori（University of Tsukuba Hospital）
Hiroki Tsuchiya（National Institute of Radiological Sciences）

94. Characteristics Controlling B1 + RMS of the Patients on Magnetic Resonance Conditional Device　Toranomon Hospital　Taiki Kusano

95. Risk Management of the Patient on Magnetic Resonance Conditional Device　Department of Radiology, Toranomon Hospital　Ryouna Abe

★ 96. Power Saving by Pulse Sequence Improvement: Quiet Sequence and Fast Acquisition Sequences
Canon Medical Systems Corporation　Motohisa Yokoi

97. Easy-to-handle Dockable Table to Reduce the Risk of Ferromagnetic Object Accident in Small Footprint MRI
Canon Medical Systems Corporation　Satoshi Takamura

Preclinical Study

16：20～17：00　Chairman　Eisuke Sato（Kyorin University）
Katsusuke Kyotani（Kobe University Hospital）

98. Changes in Brain Functional Connectivity by Isoflurane Anesthesia
Department of Radiological Sciences, Tokyo Metropolitan University Graduate School of Human Health Sciences　Naoki Kawaguchi

99. Functional Analysis of DMN Network for Non-human Primates with Parkinson's Disease　Tokyo Metropolitan University　Koya Yachida

100. Evaluation of Recovery Process of Lower Limb Ischemia Model Rats by Integrated Information from Structure, Blood Flow and Metabolism.
Department of Radiological Sciences, Tokyo Metropolitan University Graduate School of Human Health Sciences Koshiro Terawaki

★ 101. Influence of Radiological Examinations for the Stored Data of Flash Glucose Monitoring Systems
Faculty of Health and Welfare, Department of Radiological Technology, Tokushima Bunri University Yasuo Takatsu

Phantom・Autopsy Imaging

17：10～17：50 Chairman Tomoya Kobayashi（Tsukuba Medical Center Hospital）
Ayako Yagahara（Hokkaido University of Science）

★ 102. Method for Making Simple MRI Phantom Using Super Absorbency Substance Kaduno Kousei Hospital Wataru Kawamata

★ 103. A Study on the Material and Method of New 3D Printer When Making Phantom for Mammography Shinhan university Dong-Hee Hong

★ 104. Development of Semiautomatic Personal Identification Program Using Sphenoid Sinus on Antemortem and Postmortem CT Images
Graduate School of Health Sciences, Niigata University Amon Ohsawa

105. Development of Identification Method Using Thoracic Vertebras Shapes on Ante-mortem and Post-mortem CT Images
School of Health Sciences, Faculty of Medicine, Niigata University Yuya Watanabe

April 11 (Thu.) F201

Radiation Protection (Multi-modality) Lens Dose

13：00～13：50 Chairman Masato Mizui（Suzuka Kaisei Hospital）
Toshiou Fujibuchi（Kyushu University）

106. Analysis of Lens Exposure Dose of Radiation Workers Working at Hospital
Radioisotope Research Center, University of Occupational and Environmental Health, Japan. Abe Toshiaki

107. Development of a Lens Dosimeter for Surveying Actual Condition of Medical Workers Exposure
Department of Radiology, Hospital of the University of Occupational and Environmental Health, Japan Keisuke Nagamoto

★ 108. Construction of Protective Measures in the Eye Lens Dose Exposure for Physicians Performing Myelography
Department of Radiology, Shinkomonji Hospital Koichi Morota

109. Investigation of Factors Related to Operators' Eye Lens Doses during Cardiac Catheterization Using a Specially Made Acrylic Phantom
Department of Quantum Medical Technology, Graduate School of Medical Science, Kanazawa University Yoshinori Ogawa

110. Estimation of the Dose of the Eye Lens Protective with Eyewear:Comparison between the Eye Corner and the Inner Surface of the Glass.
International University of Health and Welfare Mita Hospital Yukino Hashimoto

Radiation Protection (Multi-modality) Caregiver Exposure

13：55～14：35 Chairman Yusuke Masubuchi（Nasu Red Cross Hospital）
Masanao Kobayashi（Fujita Health University）

★ 111. Actual Dose Measurement of Assistants While Positioning Patients during Pediatric X-ray Examination Using a Small-type Optically Stimulated Luminescence Dosimeter Division of Health Sciences, Graduate School of Medical Sciences, Kanazawa University Takashi Asahara

★ 112. Verification of Radiation Exposure Reduction Effect for Patients and Staff Who Assist Patients during Radiography
Department of Radiology, Daido Hospital Shoichi Suzuki

113. Optimization of Radiation Exposure of Caregiver in Dual-Source Dual-Energy CT
Department of Radiology, Faculty of Medical Science and Technology, Kawasaki University of Medical Weffare Yasutaka Takei

114. Exposure Measurement of Lens of Eyes in Caregiver of CT Examination Hiroshima Saiseikai Kure Hospital Tatsuro Uchino

Measurement (Mammography, Dental) Radiation Dose Evaluation

14：45～15：35 Chairman Michiharu Sekimoto（Niigata University of Health and Welfare）
Hiroki Yanagisawa（Self-defence Forces Central Hospital）

115. Evaluation of Glandular Dose Indices Using a Dose Volume Histogram in Mammography
Kumamoto University, Graduate School of Health Sciences Sae Shinohara

116. Analysis of Biological Effects of Mammography and Positron Emission Mammography Hokkaido University of Science Ryota Shinjo

★ 117．Simulation of Mammographic X-ray Spectra Using Particle and Heavy Ion Transport Code System (PHITS)
Department of Quantum Medical Technology, Division of Health Sciences, Graduate School of Medical Science, Kanazawa University
Thunyarat Chusin

★ 118．Evaluation of Radiation Doses from ZEN-PN II　Department of Radiological Technology, Shingu University　Dahee Lee

119．Adaptation of Dose Assessment by CTDI (CT Dose Index) in Dental CBCT (Cone Beam CT)
Graduate School of Health Siences, Fujita Health University　Yusei Nishihara

Measurement (CT) Organ Dose Evaluation

15：40～16：40　Chairman　Shuji Koyama（Nagoya University）
Masaaki Fukunaga（Kurashiki Central Hospital）

120．Possibility of Dose Management System by SSDE Using Dose Report on CT Scan　Osaka General Medical Center　Shinichi Uga

★ 121．Evaluation of Size-Specific Dose Estimates Calculated by Localizer Radiographs of Different Image Filters
Department of Radiology, The Jikei University Kashiwa Hospital　Shu Hisahara

122．Relationship between Absorbed Doses and Size-specific Dose Estimates during CT Acquisitions: Verification Combining Actual Measurements and Simulations
Department of Quantum Medical Technology, Faculty of Health Sciences, Institute of Medical, Pharmaceutical and Health Sciences, Kanazawa University　Kosuke Matsubara

123．Study of Eye Lens Dose with Considering Head Positioning in Body Trunk CT
Department of Radiolory, University of Yamanashi Hospital　Satoshi Ikenaga

★ 124．Examination of the Influence of Off Center on the Use of Organ Dose Modulation in the Head Region
Department of Radiology, Toho University Medical Center Omori Hospital　Akari Goto

★ 125．The Comparison of Time Consumption and Radiation Dose in Trauma Patients Between Digital Radiography and Whole-Body Low-dose
Department of Radiologic Technology and Medical Physics, Faculty of Allied Health, Chulalongkorn University　Sarita Suvira

Measurement (CT) Radiation Dose Evaluation

16：45～17：25　Chairman　Kouichiro Ochiai（Inagi Municipal Hospital）
Kazuki Kuriyama（The Jikei University Kashiwa Hospital）

126．Difference of Energy Spectrums for Various Directions of Scattered Radiation from a Subject in X-ray CT Scans
Department of Radiological Technology, Faculty of Health Sciences, Hokkaido University of Science　Saya Kodera

★ 127．Measurement of Source Isocenter Distance, Fan Angle, and Effective Beam Diameter in Modern CT System
Preparing Section for New Faculty of Medical Science, Fukushima Medical University　Atsushi Fukuda

★ 128．Investigation of the Radiation Dose from Cone Beam CT: A Comparison of Methodologies
Self-Defense Forces Central Hospital　Hiroki Yanagisawa

★ 129．Actual Surface Dose Evaluation Outside Scan Area during Dual Source CT Scanning with Low Tube Voltage: A Phantom Study to Optimize Scan Parameters　Department of Radiological Technology, Yamaguchi University Hospital　Kazuki Takegami

Measurement (Dosimeter, Other) Radiation Dose Evaluation

17：30～18：00　Chairman　Tomokazu Shoji（The Jikei University Hospital）
Yasuki Asada（Fujita Health University）

★ 130．Development of Near Infrared Spectroscopy System for Diabetic Foot Screening　Dongseo University Graduate School　JeongHyeon Seo

★ 131．Customizable and Miniaturized Fluorescence Detection System of Hela Cells *in vitro* Using a Cost-effective LED and Microcontroller
Medical IT Convergence Engineering, Kumoh National Institute of Technology　Kyoungrae Cho

★ 132．Evaluation of Apron's Shielding Rate and Light Weight　Department of Radiological Technology, Shingu University　Jiyoon Lim

April 11 (Thu.)　F202

Nuclear Medicine (PET) Cerebrospinal

13：00～13：50　Chairman　Yukito Maeda（Kagawa University Hospital）
Kei Wagatsuma（Tokyo Metropolitan Institute of Gerontology）

★ 133. Quantitative Evaluation of Serial Changes on Amyloid PET in Research Data on Dementia Observation.
Department of Health Sciences, Graduate School of Medicine, Kyushu University　Natsumi Shimokawa

★ 134. Development of Automatic Quantitative Evaluation Program of Amyloid PET by Using Adaptive Template and Empirical PiB-prone ROI
Department of Health Sciences, School of Medicine, Kyushu University　Yuma Tsubaki

135. Influence of Templates for Anatomical Standardization on Quantitative Evaluation of Amyloid PET
Department of Health Sciences, Graduate School of Medicine, Kyushu University　Natsumi Shimokawa

★ 136. Validation of Quantitative Methods Using Centiloid Scale for Tau PET Imaging with ^{18}F-THK-5351
Integrative Brain Imaging Center, National Center of Neurology and Psychiatry　Tensho Yamao

★ 137. Texture Analysis of ^{11}C-methionine PET Image Might Distinguish Brain Tumor Recurrence from Radiation Necrosis
Department of Radiological Sciences, International Univercity of Health and Welfare　Kenta Miwa

Nuclear Medicine (PET) Image Processing, Image Analysis

13：55～14：45　Chairman　Koichi Okuda（Kanazawa Medical University）
Tetsuro Umezawa（Chiba University Hospital）

★ 138. Evaluation of the Impact of Attenuation Correction on the Myocardial Blood Flow on ^{13}N-ammonia PET/MRI
Advanced Clinical Research Center, Fukushima Medical University　Ayaka Nemoto

139. The Influence of PET SUV Repeatability on Quantitative Treatment Monitoring
Division of Radiology, Department of Medical Technology, Kyushu University Hospital　Yuji Tsutsui

★ 140. PET-Radiomics of ^{18}F-FDG PET to Predict Tumor Response of Patients with Esophageal Cancer Using Neoadjuvant Therapy
Department of Radiology, International University of Health and Welfare Atami Hospital　Seiya Hiratsuka

★ 141. Textural Analysis of ^{18}F-FDG PET to Predict Tumor Response of Patients with Locally Advanced Pancreas Cancer Using Carbon-ion Radiotherapy
Radiological Technology Section, Hospital, National Institute of Radiological Sciences, QST　Yuto Kamitaka

★ 142. Assessment of Diagnostic Accuracy of ^{18}F-FDG PET/CT Tumor Metabolic Parameters in Patients with NSCLC and Radiation Pneumonitis After CIRT　Radiological Technology Section, Hospital National Institute of Radiological Sciences, QST　Makito Suga

Nuclear Medicine (PET) Other

14：55～15：45　Chairman　Kenta Miwa（International University of Health and Welfare）
Taisuke Murata（Chiba University Hospital）

★ 143. Initial Evaluation of Novel Shape Radioactive Sample Sources with ^{22}Na and ^{68}Ge　QST-NIRS　Go Akamatsu

★ 144. Factors Influencing Bone Marrow FDG Uptake　Biomedical Imaging Research Center, University of Fukui　Hiroshi Oikawa

145. Quantitative Evaluation of ^{18}F-FDG Accumulation Using Diode PET/CT with Block Sequential Regurarized Expectation Maxiiation Algorithm
Hiroshima Heiwa Clinic Oncologic Imaging Center　Ishida Kazuhiro

★ 146. Non-negative Matrix Factorization Based Image Decomposition Technique for d-PET
Department of Radiology Science, Dongseo University　JunYong Hong

★ 147. Building an Identification Model for Metastatic Lymph Nodes of Nasopharyngeal Carcinoma Based on Computed Tomography Radiomics
Radiation Physics and Technology Division, Shandong Tumor Hospital　Tengxiang Li

Nuclear Medicine (PET) Image Quality and Evaluation

15：50～16：50　Chairman　Yoshiyuki Hosokai（International University of Health and Welfare）
Takuya Mitsumoto（Teikyo University）

★ 148. NEMA NU2 Performance Evaluation of a Helmet-type PET Prototype with Four-layer DOI Detectors　QST-NIRS　Go Akamatsu

149. Optimization of Weighted Scaling Factor Depending Simulated Scatter Fraction for F-18 FDG PET Acquisition Time
Department of Radiological Technology, Kumamoto University Hospital　Ryosuke Kamezaki

150. Investigation of Bed Moving Speed in ^{18}F-FDG Dynamic Scan Using Continuous Bed Motion PET/CT

Department of Radiology, Miyazaki University Hospital　Daichi Hayashi

151. Optimization of Variable Acquisition Time Depending on Patient Body Regions for F-18 FDG PET Multi-beds Scan

Department of Medical Technology, Kumamoto University Hospital　Fumiaki Yoshiyama

152. Comparison of the Influence of Radioactivity from Out of FOV by Different Scatter Correction Method

Wakayamaminami Radiology Clinic　Motohiro Ootani

★ 153. Evaluation of PET Images of Hot Spot Sizes Close to the Image Pixel Sizes

Cyclotron Research Center Iwate Medical University　Toshiaki Sasaki

Nuclear Medicine (Radionuclide Therapy, Other) Musculoskeletal, Other

17：00～18：00　Chairman　Kohei Hanaoka (Institute of Advanced Clinical Medicine, Kinki University)
Noriaki Miyaji (The Cancer Institute Hospital Of JFCR)

154. Evaluation of Imaging Biomarker Accuracy Using Accumulated Volume in Quantitative Bone SPECT/CT

Diagnostic imaging center, Cancer Institute Hospital, Japanese Foundation For Cancer Research　Kazuki Motegi

155. Monte Carlo Simulation of Ra-223 SPECT Images Using Digital Phantom

Department of Health Sciences, Graduate School of Medical sciences, Kyushu University　Hibiki Ueno

★ 156. Effect Measurement of Radionuclide Therapy by ^{89}Sr for Metastatic Bone Pain: Comparison in Quantitative Values of Metastatic Bone Lesions between Bone SPECT and ^{18}F-fluoride PET/CT

Department of Radiological and Medical Laboratory Sciences, Nagoya University Graduate School of Medicine　Chinatsu Hasegawa

★ 157. Study of Thyroid Uptake: Comparison Among Tc-99m, I-131 and Thyroid Hormone

Dept. of Medical Physics and Biomedical Engineering, Gono Bishwabidyalay (University)　Nupur Karmaker

★ 158. Modeling and Reproducibility Experiment of Customized Dynamic Cardiac Phantom in Nuclear Medicine

Department of Radiological Technology, Shingu University　Chang Hyun Lee

★ 159. Quantitative Evaluation of ^{18}F Cerenkov Luminescence Imaging with Optical Imaging Modalities

Department of Health Sciences, School of Medicine, Kyushu University　Suguru Katsube

April 11 (Thu.)　F203＋204

Imaging (Multi-modality) Image Analysis 1

13：00～13：50　Chairman　Kenichi Funamizu (Tsugaru General Hospital)
Hiroki Kawashima (Kanazawa University)

★ 160. Investigation of Effectiveness of Similar Images for Similar Subtraction Technique to Reduce Artifacts on Subtraction Images

Department of Health Sciences, School of Medicine, Kyushu University　Makoto Ozaki

★ 161. Measurement of Finger Joint Space Using Cone Beam CT: A Phantom Study

Graduate School of Health Sciences, Hokkaido University　Shun Shishido

★ 162. Validation of the Automatic Software for Quantitative Assessment of Joint Space Narrowing Progression in the Wrist of Rheumatoid Arthritis Patients　Graduate School of Health Science, Hokkaido University　Yuki Tanaka

★ 163. Development and Application of Image Simulation Technique for Low-dose Chest Radiographs

Division of Radiological Sciences, Graduate School of Health Sciences, Teikyo University　Rie Murakami

★ 164. Evaluation of the Automatic Quality Control System for Mammography Phantom Images by Using a Model Observer

Department of Radiology, University of Occupational and Environmental Health　Kensuke Iwase

Imaging (General Radiography) Image Evaluation 1

14：00～14：50　Chairman　Seiichi Murakami (Hospital of the University of Occupational and Environmental Health)
Ryotaro Yuuji (Tokai University Hachioji Hospital)

165. Evaluation of Contrast for Flat-panel Detector with a Dual Layer System.

Department of Radiology, Osaka General Medical Center　Tomomi Nakamura

166. Evaluation of Granularity for Flat-panel Detector with a Dual Layer System.

Department of Radiology, Osaka General Medical Center　Yoshihiro Matsuura

★ 167. Imaging Properties of an Indirect-conversion-type Flat-panel Detector System with a High-resolution Type

Department of Health Sciences, Faculty of Medical Sciences, Kyushu University　Nobukazu Tanaka

168. Spatial Resolution Properties on the Diagonal in Flat Panel Detector

Department of Radiological Technology, Faculty of Health and Welfare, Tokushima Bunri University　Rie Ishii

169. Basic Study of Image Quality Variation When Preview Image Is Added to Final Image　Tokyo Metropolitan University　Toshiyuki Yuhara

Imaging (General Radiography) Image Evaluation 2

15：00～15：40　Chairman　Reiji Katayama（Kurume University）
Masato Imahana（Kitasato University Medical Center）

★ 170. Evaluation of the Sharpness Including Effect of Scattered Radiation at an Objective Plane

Department of Radiology, Gunma Saiseikai Maebashi Hospital　Sho Maruyama

171. Image Quality Assessment of Pixel-aligned Grid in a High Attenuation Area

Department of Radiological Technology, School of Health Sciences, College of Medical, Pharmaceutical and Health Sciences, Kanazawa University　Nobuki Obana

172. Optimization of Image Quality and Exposure Dose in Chest Radiography Using Lung Phantom and Burger Phantom

Department of Radiological Technology, Tokushima Red Cross Hospital　Takahiko Yokote

173. Investigation of Radiation Condition Due to Difference of Scattered Radiation Influence and Anti-scatter Grid in Digital Radiography

Department of Radiology, Nagoya City University Hospital　Hiroshi Kunitomo

AI (Automatic Recognition)

15：50～16：50　Chairman　Haruyuki Watanabe（Gunma PrefecturalCollege of Health Sciences）
Yutaka Katayama（Osaka City University Hospital）

★ 174. Lung Region Segmentation on Pediatric Chest X-rays with Large Scale Database and Mask RCNN

Graduate School of Health Sciences, Fujita Health University　Haruka Uozumi

★ 175. Automated Nodule Detection Pipeline for Chest X-ray Images Using the Bone Suppression Mask RCNN

Graduate School of Health Sciences, Fujita Health University　Naoki Matsubara

★ 176. Automated Detection of Breast Tumor in Non-contrast Enhanced Breast MR Images Using Deep Convolutional Neural Network

School of Health Sciences, Fujita Health University　Emiko Ono

★ 177. Automated Classification of General Radiographs with Various Positioning by Using Deep Learning

Graduate School of Health Sciences, Kumamoto University　Naoki Yoshikawa

178. Automated Recognition of Suitable Images on Ultrasonographic Diagnosis of Infant Hip Using Deep Learning

School of Health Sciences, Faculty of Medicine, Niigata University　Naoto Fujita

179. U-Net-based Segmentation of Liver Region in Abdominal CT Images

School of Health Sciences, Faculty of Medicine, Niigata University　Ryutaro Tsuchiya

Theme Session (AI：Diagnostic Support)

17：00～18：00　Chairman　Takeshi Hara（Gifu University）
Yongbum　Lee（Niigata　University）

★ 180. Estimation of Genetic Patterns of Low Grade Gliomas Using Radiomics

Graduate School of Health Sciences, Kumamoto University　Nanako Kishimoto

181. Image Data Mining for Extracting a Relationship between Radiomic Features and Subtype Classification of Breast Cancer

Graduate School of Health Sciences, Kumamoto University　Natsumi Wada

★ 182. Improved Scheme of the Automated Classification of Pulmonary Nodules in CT Images Using Multi-deep Convolutional Neural Networks: Improvement of Classification Performance Using Generative Adversarial Networks

Graduate School of Health Sciences, Fujita Health University　Yuya Onishi

★ 183．Development of Computer-aided Diagnosis System for Staging of Malignant Lymphoma

Department of Health Sciences, School of Medicine, Division of Radiological Science and Technology, Hokkaido University

Yoshihiko Matsukura

April 12 (Fri.)　501

Imaging Techniques and Research (MR) Liver

8：50～9：30　Chairman　Hiroya Aso（Shimane University Hospital）

Yuji Takahashi（Hiroshima University Hospital）

184．Effect of Saturation Pulse Strength and Duration on GlycoCEST Imaging: A Phantom Study

Department of Radiological Technology, Kagoshima University Hospital　Takashi Iwanaga

185．Evaluation of Liver Perfusion before and after Meal Challenge Using Pseudo-continuous Arterial Spin Labeling (pCASL) in MRI

Department of Radiology, Kanazawa University Hospital　Yudai Shogan

★ 186．Validation Study on Semi-automatic Quantification Software for MR Elastography of the Liver

Faculty of Health Sciences, Hokkaido University　Yuri Katsuumi

★ 187．The Effect of Slice Thickness and Matrix on 3D-MRI Image Display Using Virtual Reality

Department of Radiology, Cancer Institute Hospital　Kazuhiro Kawabata

Imaging Techniques and Research (MR) MR Spectroscopy, Other

9：40～10：50　Chairman　Naoki Ohno（Kanazawa University）

Shuhei Shibukawa（Tokai University Hospital）

188．Evaluation of the Image Quality Using the Iterative Noise Reduction

Department of Radiology, Iwate Medical University Hospital　Yusuke Sasaki

★ 189．Usefulness of Deep Learning Reconstruction to Reduce Image Noise on Three-tesla MR Images　Kyorin University Hospital　Saori Yuda

190．Evaluation of Magnetic Field Correction Materials on Fat Suppressed T_1 Weight Imaging at 3T MRI

Department of Radiology, Otsu City Hospital　Masafumi Nakamura

191．Investigation of Oil Composition of Phantom for Examining Fat Suppression　Department of Radiology Toranomon Hospital　Nao Suzuki

★ 192．Evaluation of Drug Quantification of Intra-arterial Chemotherapy from Superficial Temporal Artery Using MRI for Head and Neck Cancer

Department of Medical Technology, Ise Red Cross Hospital　Shintaro Ito

★ 193．Evaluation of the Impact of Spectral Post-processing on Quantitative Brain Magnetic Resonance Spectroscopy

Preparing Section for New Faculty of Medical Sciences, Fukushima Medical University　Hitoshi Kubo

★ 194．Investigation to Detect Boronophenylalanine-Fructose Using MRspectroscopy of PET-MRI

Department of Radiological Diagnosis, National Cancer Center Hospital　Toshimitsu Utsuno

Imaging Techniques and Research (MR) Breast, Other

11：00～11：30　Chairman　Masafumi Nakamura（Otsu City Hospital）

Fumie Maeda（Kyoto City Hospital ）

195．Development and Optimization of New Silicone Imaging Method for Breast Implant

Department of Radiology, Komaki City Hospital　Norikazu Koori

196．Differentiation of Invasive/Noninvasive Carcinoma by Mammary Dynamic MRI Using a Novel CAD Program

Department of Radiology, Kyushu Medical Center　Yoshiaki Miyazaki

197．T2prep on 3D-TSE with Peripheral Pulse and Respiratory Gating for Magnetic Resonance Thoracic Ductography

Radiological Technology Department, Tokai University Hosptal　Nao Kajihara

April 12 (Fri.)　502

Radiotherapy (Treatment Planning -2)

16：05～16：55　Chairman　Kaoru Ono（Hiroshima Heiwa Clinic）
Motoharu Sasaki（Tokushima University Hospital）

198. Correlative Analysis of Evaluation Metrics for Deformable Image Registration
Divisions of Health Sciences, Graduate School of Health Sciences, Kanazawa University　Ryoto Kaido

199. Analyzing the Integration of PET/CT Images Acquired in a Non-radiotherapy Treatment Position into the GTV Delineation of Nasopharyngeal Cancer Using the Deformable Image Registration　Department of Radiological Technology, Kumamoto University Hospital　Yudai Kai

200. The Influence of Smoothness Factor on DIR Accuracy for Head and Neck Image
Department of Radiological Technology, National Cancer Center Hospital East　Hiroaki Sagara

201. Clinical Introduction of Radiotherapy after Breast Conserving Surgery by Automatic Planning
Department of Radiology, Nagoya City University Hospital　Ryoya Yoshida

202. Feasibility of Automatic Segmentation in the Pelvic CBCT Images
Department of Radiological Technology, Kurashiki Central Hospital　Taro Matsushita

Radiotherapy (Treatment Planning -3)

17：00～18：00　Chairman　Hidetoshi Shimizu（Aichi Cancer Center Hospital）
Keisuke Yasui（Fujita Health University）

203. Effect of Hybrid Iterative Reconstruction on Dose Calculation
Radiologic Technology Department, Medical Technical Support Division, Tokai University Hachioji Hospital　Yosuke Sasaki

204. Feasibility of Low-dose Computed Tomography Images with Iterative Reconstruction Technique for Radiotherapy Planning: Retrospective Study
Shizuoka Cancer Center　Tsukasa Yoshida

★ 205. Study of Head and Neck IMRT Plan Using Metal Artifact Reduction Image
Department of Radiology, National Cancer Center Hospital East　Kazuto Kano

206. Study of the Characterization of System-related Geometric Distortions and the Usefulness of the Distortion Correction in Magnetic Resonance Imaging for Radiation Therapy Planning　Department of Radiological Technology, Nagoya University Hospital　Kuniyasu Okudaira

207. Influence of the Variation of CT Tube-voltage on Mass Density Threshold Region in Dose-to -medium Calculation Method
Department of Radiological Technology, Faculty of Health Sciences, Hokkaido University of Science　Seika Ogasawara

208. Effect of Linac Models and Relative Electron Density Conversion Curves for the Accuracy of Dose Calculation Using CBCT-based Adaptive Radiation Therapy.　Radiationtherapy Quality Management Office, Tokai University Hospital　Tomoyuki Hiroki

April 12 (Fri.)　503

Imaging Techniques and Research (MR) Cerebrovascular

16：00～16：50　Chairman　Osamu Uenaka（JA Onomichi General Hospital）
Toshiya Okazue（Hiroshima High-Precision Radiotherapy Cancer Center）

209. Imaging Parameter Optimization of Non-contrast 3D TOF-MRA for the Patients with Intracranial Stents at 1.5T MR System
Department of Radiological Technology, Tsukuba Medical Center Hospital　Toshiya Akatsu

210. Phantom Experiments to Depict Brain Perforating Arteries by High-resolution 3D-TOF MR Angiography
Department of Radiology, kyorin University Hospital　Tatsuya Yoshioka

211. Investigation of Additional Imaging of Cerebral Vessels Using Ultra Short TE-MRA
Department of Radiology, Eastern Chiba Medical Center　Daichi Murayama

212. Examination of Head MR Venography by Phase Contrast Method with Compressed SENSE
Department of Radiodiagnosis, Nakamura Memorial Hospital　Tomoya Nakai

213. Evaluation of an Automated Post-processing Method Applied to Machine Learning for Cerebral Vascular TOF-MRA
Healthcare Business Unit, Hitachi, Ltd.　Kuniaki Harada

Imaging (MR) Brain : ASL, fMRI

17：00～17：50　Chairman　Rei Yoshida（Kurihara City Kuriharachuo hospital）
Yoshihiro Akatsuka（Sapporo Medical University Hospital）

214. Accuracy of the ASL-based Tissue T_1 Measurement: Comparison to Inversion Recovery Method and Magnetic Resonance Imaging Compilation
Radiological Center, University of Fukui Hospital　Yuki Matta

215. Examination of Optimal PLD by Time Intensity Curve Using Multiple Postlabeling Delays(PLDs) ASL in Hyperperfusion Lesion
Division of Radiology, Wakakusa-Daiichi Hospital　Seiya Yamamoto

216. Can Body-weight Become an Indicator to Estimate an Optimal PLD on pCASL?　Otaru General Hospital　Daisuke Oura

★ 217. Investigation of Reproducibility of Resting State Functional Magnetic Resonance Imaging Using Two Types of Receiver Coils with Different Number of Channels
Department of Radiological and Medical Laboratory Sciences, Nagoya University Graduate School of Medicine　Sanae Kato

★ 218. An Analysis of Brain Activation Timing Using High Temporal Resolution fMRI
Department of Radiological Sciences, School of Health Sciences, International University of Health and Welfare　Sumito Maruyama

April 12 (Fri.)　414＋415

Radiation Protection (Multi-modality) Patient Exposure

15：00～15：40　Chairman　Yutaro Mori（University of Tsukuba）
Shouichi　Suzuki（Daido　Hospital）

★ 219. A Study on the Decreased of Exposure Dose by the Usage of Cone in the Paranasal Radiography
Department of Health Care, Hanseo University　Joung Seung Hun

★ 220. Organ Doses during Neurointerventional Procedures in a Modern Biplane Angiographic System with Spectral Shaping Filters
Department of Radiology, Shiga General Hospital　Nao Ichikawa

★ 221. On the Retrospective Results of Radiation Using Digital Zoom Technique for Percutaneous Coronary Intervention
Department of Radiology, Ichinomiya Municipal Hospital　Kenji Hasegawa

★ 222. Effectiveness of Additional Lead Shielding and Low Rate Fluoroscopy in Protecting Staff from Scattering Radiation during Cardiac Resynchronization Therapy (CRT)　Tohoku Medical and Pharmaceutical University Hospital, Department of Radiology　Yoshiaki Morishima

Imaging Techniques and Research (MR) Spine

15：50～16：50　Chairman　Hirotaka Sato（Soka Municipal Hospital）
Koji Uchida（Mitaka Clinic）

223. Developing a 3D Turbo Spin-echo Using Tissue-specific Variable Refocusing Flip Angle Modulation Protocols for Magnetic Resonance Neurography Without Diffusion Pre Pulse　Department of Radiology, Steel Memorial Yawata Hospital　Masanobu Osame

224. Study of Local Excited Direct Sag DWI Using Carbon Fiber Sheet
Department of Radiologic Technology, Jichi Medical University Hospital　Kazunori Yamakoshi

★ 225. The Reliability of Reduced Field-of-view DTI for Highly Accurate Quantitative Assessment of Cervical Spinal Cord Tracts
Department of Radiology, Otaru General Hospital　Takumi Yokohama

226. Estimation of Prognosis Factor for Cervical Spondylotic Myelopathy by Highly Accurate Diffusion Tensor Imaging
Department of Radiology, Otaru General Hospital　Takumi Yokohama

★ 227. T_2* Relaxation Time of Intervertebral Discs Calculated Based on Ultra-Short TE Imaging May Be Promising to Evaluate Lumbar Spinal Instability
Div. of Radiol., Sapporo Medical University Hospital　Hiroyuki Takashima

228. Comparison Analysis between Multiple Myelin MR Contrast and Stained Specimens in Spinal Cord.
Tokyo Metropolitan University, Graduate School of Human Health Sciences　Marin Nishio

Imaging Techniques and Research (MR) Myocardium

16：50～18：00　Chairman　Kei Fukuzawa（Toranomon Hospital）
Kosuke Morita（Kumamoto University Hospital）

229．3D T1 Mapping of Myocardium Using Inversion Recovery T1-weighted Turbo Field-echo Sequence − Improving Visibility −
Graduate School of Health Sciences, Okayama University　Shotaro Ono

230．Correspondence to Each Company's 3TMRI Device for Myocardial Perfusion
Fujita Health University Graduate School of Health Sciences　Kazuya Takeda

★ 231．Brief Breath-holding for Increasing the Number of Slices in Myocardial Multi-slice T1 Mapping
Department of Radiology, Japanese Red Cross Okayama Hospital　Katsuhiro Kida

★ 232．Fundamental Study of T1 Mapping by Myocardial Phantom Using Retrospective Motion Correction (MOCO)
Department of Radiology, Fukushima Medical University Hospital　Hideaki Takasumi

233．Influence of Heart Rate on Difference of Null-points between TI-scout and 3D-TFE-Late Gadolinium Enhancement Sequence.
Department of Radiology, Shizuoka Children's Hospital　Kyohei Sano

234．Effects of Heart Rate on T1 Map Acquired by 5(3)3MOLLI Method: A Comparison between Heart Rate Fixed Method and Time Fixed Method.
Division of Radiological Technology, Nihon University Hospital　Chisato Ando

235．Semi-automatic Measurements with Three-dimensional T1-weighted Image for Intramyocardial Hemorrhage Using Magnetization Prepared Rapid Gradient Echo (MYORAGE) in Patients with Ischemic Reperfusion Injury
Department of Radiology, Fukuokaken Saiseikai Futsukaichi Hospital　Hideo Arai

April 12 (Fri.)　F201＋202

Radiotherapy (Treatment Planning -1)

8：50～9：30　Chairman　Koji Sasaki（Gunma Prefectural College of Health Sciences）
Ken Kamomae（Nagoya University Hospital）

★ 236．Build an Automated Whole Brain Planning with One Click; Retorospective Study
National Cancer Center Hospital East, Department of Radiology　Takaki Ariji

237．Commissioning of an Automatic Brain Metastases Planning Software
Department of Radiation Technology, Ibaraki Prefectural Central Hospital　Kazuya Shinoda

238．Comparison of Stereotactic Radiosurgery Plans for Multiple Brain Metastases: Dynamic Conformal Arc vs. Volumetric Modulated Arc Therapy
Department of Radiological Technology, Kurashiki Central Hospital　Junya Miyata

239．Effect of the Rotational Error in Treatment Setup of Single-isocenter Technique on the Dose Distribution for Multiple Brain Metastases.
Department of Radiation Oncology, Niigata University Medical and Dental Hospital　Hisashi Nakano

Radiotherapy (Particle Therapy)

9：40～10：40　Chairman　Takahiro Kato（Fukushima Medical University）
Toshihiro Yanou（Hyogo Ion Beam Medical Center）

240．The Robustness Evaluation of the Rotational Set-up Errors for Head and Neck Cancers in Intensity Modulated Proton Therapy.
Department of Proton Therapy Technology, Nagoya Proton Therapy Center, Nagoya City West Medical Center　Akira Shimomura

241．Basic Study on Respiratory Gated Irradiation of Proton Beam by Using Respiration Monitoring System.
Department of Radiology, Takai Hospital　Hiroyuki Tsuji

242．M/M/1 Model-based Simulation Analysis of Beam Waiting Time　Medipolis Proton Therapy and Research Center　Airi Ohno

243．Accuracy of Spot Position Monitor in Proton Therapy
Department of Proton therapy technology, Nagoya Proton Therapy Center　Kenichiro Tanaka

244．A Study on Daily QA Method of Proton Therapy System Using Two Dimensional Detector at Our Hospital
SAPPORO High Functioning Radiotherapy Center, Hokkaido Ohno Memorial Hospital　Yasuhide Miyabe

★ 245．Verification of Beam-specific Margin in Raster Scanning Proton Therapy for Prostate Cancer　Osaka Proton Therapy Clinic　Akira Ando

Radiotherapy (New Technique)

10：50～11：50　Chairman　Mikio Nemoto（Jichi Medical University Hospital）
Hironori Kojima（Kanazawa University Hospital）

246. Dosimetric Effects of Hydrogel Spacers for Rectal Dose Reduction in Five Different Types of External Radiotherapy Techniques for Prostate Cancer　Department of Radiology, University of Yamanashi Hospital　Yosuke Miyasaka

247. Dosimetric Advantages of Hydrogel Spacer for Prostate Cancer in Proton Therapy
Department of Proton Therapy Technology, Nagoya Proton Therapy Center, Nagoy a, Japan　Rie Muramatsu

248. Development of Bone Equivalent Polymer Gel Dosimeters
Division of Health Sciences, Graduate School of Medical Sciences, Kanazawa University　Narumi Kumahara

★ 249. Dose Distribution Analysis of Micelle Gel Dosimeter for Clinical Application by Optical CT Scanner
Graduate School of Medical Care and Technology, Teikyo University　Yoosuk Kang

250. Intensity Modulated High-Energy Electron Beams with Degrader.　Southern Tohoku Proton Therapy Center　Seira Shimada

★ 251. Predicting 3D Dose Precision Based on Dose Uncertainty Potential Accumulation
Department of Radiology, Hospital of the University of Occupational and Environmental Health　Eiji Shiba

Imaging Techniques and Research (CT) Dual Energy, Iodine Concentration

15：00～16：00　Chairman　Atsushi Urikura（Shizuoka Cancer Center）
Noriyuki Negi（Kobe University Hospital）

★ 252. Evaluation of Iodine Quantification Using Dual-source Dual-energy CT: A Fundamental Study Using a Multi Energy Phantom
Department of Radiology, Yamaguchi University Hospital　Junichi Akagawa

★ 253. Accuracy of Iodine Density Quantification with Base Material of Material Density Image Using Dual Energy CT
Department of Radiology, Tottori University Hospital　Junichi Kishimoto

254. A Multicenter Study to Verify the Measurement of Accuracy of the Iodine Density and the CT Number in Second Generation Fast kV Switching Dual Energy CT　Department of Radiology, Tokyo Women's Medical University Medical Center East　Rika Fukui

★ 255. Influence of the CT Numbers of Basic Materials for Image Based Three-material Decomposition for Iodine Quantification in Dual-source Dual-energy CT　Department of Radiological Technology Yamaguchi University Hospital　Masaki Takemitsu

256. The Creation of the Conversion Table for Concentration Calculation and the Calculation of Gradient Parameters for Analysis Image Creation by Dual-Energy CT　Department of Radiological Technology, Tohoku University Hospital　Hirokazu Takano

★ 257. Investigate the Contrast Medium Reduction Level for Thin Blood Vessel by Virtual Monoenergetic Image in Dual-layer Detector CT
Department of Radiology, Saiseikai Kawaguchi General Hospital　Yuri Suzuki

Imaging Techniques and Research (CT) Dual Energy, Clinical Technique

16：00～16：50　Chairman　Toshiyuki Nomizu（toyama rosai hospital）
Shinji Niwa（Nakatsugawa Municipal General Hospital）

★ 258. Evaliation of Monochromatic Energy Level in Lung Field Image　Central Radiation Department, Akita University Hospital　Hiroki Kato

259. Added Value Analyses on Virtual Monoenergetic Images Produced by Twin Beam Dual Energy in the Abdominal Dynamic CT
Steel Memorial Hirohata Hospital　Takanori Sekimoto

260. Evaluation of the Liver Fibrosis Using Dual Energy CT　Department of Medical Radiation Technology, Teine-Keijinkai Hospital　Shunsuke Itaya

★ 261. Evaluation of Hepatic Fat Fraction Map Using Dual-energy CT Compared with MRI and US
Department of Radiology, Kanazawa University Hospital　Yasuhiro Kawahara

262. Dual-energy CT of Material Decomposition Analysis for Detection of Bone Marrow Edema with Vertebral Compression Fractures
Department of Radiology, JA Hiroshima General Hospital　Kyouhei Akisato

Imaging Techniques and Research (CT) Contrast Technique

16：50～17：50　Chairman　Toshiharu Miyoshi（Gifu University Hospital）
Koji Muroga（Japanese Red Cross Society Nagano Hospital）

★ 263. Optimization of Scan Speed for Lower Extremity Computed Tomography Angiography Using Ankle Brachial Pressure Index and Systolic Time Intervals　Department of Radiology, Japanese Red Cross Okayama Hospital　Kazutoshi Tsunou

264. Examination of the Optimum Imaging Condition in the CT before Transcatheter Aortic Valve Implantation

Division of Radiological Technology, Showa University Hospital　Masaya Shimatani

265. The Study on the Bolus Tracking Method Using the Maximum CT Value in the Microvascular Region: A Feasibility Study.

Department of Radiological Technology, Tohoku University Hospital　Shingo Kayano

★ 266. Fundamental Study of Photographing Condition for Computed Perfusion Image Using Helical Two-phase CTA

Department of Radiology, Soka Municipal Hospital　Haruna Ishikawa

★ 267. Value of a Perfusion CT Protocol of Brain Tumors Using a Contrast Dose Determined by Patient Body Weight

Radiology Service, Saitama Medical Center, Saitama Medical University　Jun Nakane

★ 268. Rapid Assessment of the Renal Function by Point-of-Care Whole Blood Creatinine Meter Before Contrast-enhanced CT

Department of Radiology, Ashiya Municipal Hospital　Mayumi Kinoshita

April 12 (Fri.)　F203＋204

Nuclear Medicine (SPECT, Planar) Head and Neck, Pediatric

8：50～9：40　Chairman　Masahiro Miyai（Kawasaki Medical School General Medical Center）
Nobutomo Ishii（Toho University Omori Medical Center）

269. Development of a Cerebral Blood Flow Dynamics Phantom for Simulation Analysis of Cerebral Blood Flow Quantitative SPECT

Department of Radiological Technology, Kawasaki Medical School Hospital　Hiroaki Mimura

270. Thyroid MIBG Uptake in Parkinson's Disease　Department of Radiology, Nagasaki Kita Hospital　Toshimasa Fujishita

271. Evaluation of the Accuracy of Thyroid Uptake Ratio Measurement : Compared with Uptake System and SPECT System.

Division of Radiology, Department of Medical Technology, Osaka University Hospital　Hidetaka Sasaki

272. Cross Calibration of SPECT Systems for Tl-201 Olfactory Imaging in Two Hospitals.

Section of Radiological Technology, Department of Medical Technology, Kanazawa Medical University Hospital　Hisahiro Saito

★ 273. Attempt of the Pediatric Pulmonary Perfusion Scintigraphy Left-Right Ratio Measurement Using the Virtual Planer Image: Phantom Studies

National Cerebral and Cardiovascular Center Hospital　Akira Imoto

Nuclear Medicine (SPECT, Planar) Cardiovascular (1)

9：50～10：40　Chairman　Takuro Shiiba（Teikyo University）
Koutatsu Tsuboi（Japanese Red Cross Hamamatsu Hospital）

★ 274. Development of Ischemia - Defect Phantom Model for Evaluation of Myocardial Image

Department of Radiological Technology, Faculty of Health Sciences, Hokkaido University of Science　Hayate Satou

★ 275. "Deformable Image Registration" New Images Registration of Myocardial Perfusion SPECT

Department of Radiology, Saiseikai Yokohamashi Tobu Hospital　Toshimune Ito

276. Impact of Respiratory Movement and Myocardial Wall Motion for ^{99m}Tc-Tetrofosmin SPECT: Using Myocardial Kinetics Digital (MKD) Phantom.

Department of Radiology, Hiroshima Citizens Asa Hospital　Furuta Akihiro

★ 277. Validation of Scatter Correction with Dual-Energy-Window Method Using CZT SPECT System

Department of Radiology, Shimane University Hospital　Nobuhiro Yada

278. Development of Denoising Method for SPECT Projection Image by Deep Learning

Graduate School of Health Sciences, Fujita Health University　Hiroyuki Azuma

Nuclear Medicine (SPECT, Planar) Dopamine

10：50～11：50　Chairman　Takashi Iimori（Chiba University Hospital）
Matsuyoshi Ogawa（Yokohama City University Hospital）

279. Improvement of Diagnostic Accuracy Using Volume Rendering Images in I-123 FP-CIT SPECT Imaging

Department of Radiology, Edogawa Hospital　Yasuhiro Inokuchi

★ 280. Effect of Corrected Specific Binding Ratio on Reference Region Set by Phantom Calibration in ^{123}I-FP-CIT SPECT: A Multicenter Study

Department of Radiology, Okayama University Hospital　Masahiro Nakashima

281. Development of Classification Method Using Automatic Shape Extraction for Dopamine Transporter SPECT Image

Department of Radiological Technology, Faculty of Fukuoka Medical Technology, Teikyo University　Takuro Shiiba

★ 282. Standardization of Spacific Binding Ratio Using a Calibration Phantom in ^{123}I-FP-CIT SPECT: A Multicenter Study

Department of Radiology, Okayama Saiseikai General Hospital　Daisuke Hasegawa

283. The Usefulness of Texture Analysis Analyzing Heterogeneous Uptake on DaT SPECT Images for the Differential Diagnosis

Department of Health Sciences, Graduate School of Medicinal Sciences, Kyushu University　Aya Takashima

★ 284. Influence of CSF Correction Effect on Calibrated Quantitative Evaluation in Dopamine Transporter Imaging

Department of Radiology, Utano Hospital　Ryuji Sakai

Education

16：40～17：20　Chairman　Noriyuki Yanagawa（Tsukuba International University）
Shinya Mizukami（Kitasato University）

285. Development of Teaching Materials with 3D-modeling CG for Positioning in Radiography.

Fujita Health University School of Sciences　Masanao Kobayashi

★ 286. Construction of Setup Training Method of Radiotherapy Using Virtual Reality and Mixed Reality

Division of Medical Quantum Radiation Sciences, Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University
Tomonori Kawachino

287. A Method for Extracting People Anxiety Opinion of Radiation Exposure by Social Big Data

Department of Health Sciences, School of Medical Sciences, Kyushu University　Yu Minematsu

288. Efforts to Improve Staff's Awareness to Disaster Protection Through the Disaster Response Drills

Kobe City Medical Center West Hospital　Yuuki Ida

April 13 (Sat.)　503

Imaging (MR) Brain：Diffusion Analysis

13：00～14：00　Chairman　Takanobu Yamashiro（Minoh City Hospital）
Tatsuya Yamada（MITUBISHI KOBE HOSPITAL）

289. Creation of 3D Anatomical Chart About the Brain Nerve Fiber That Can Be Learned from Cerebral Lobe and Gyrus

Department of Clinical Radiology Kagawa University Hospital　Hiroo Segawa

★ 290. Radiomic Features Analysis for Glioma Grading Using Apparent Diffusion Coefficient and Cerebral Blood Flow Maps in Magnetic Resonance Imaging　Department of Medical Technology, Osaka University Hospital　Takashi Hashido

291. Identification of Parkinson's Disease Neurodegenerative Region by Diffusion Voxel Morphometry Analysis

Tokyo Metropolitan University Graduate School　Mai Mizumura

292. Longitudinal Evaluation of Brain Development by Neurite Orientation Dispersion and Density Imaging

Tokyo Metropolitan University　Mayu Iida

293. Longitudinal Observation of Water Diffusion in Glioblastoma Multiforme by Neurite Orientation Dispersion and Density Imaging (NODDI)

Course of Medical Physics and Engineering, School of Allied Health Sciences, Osaka University　Miku Nakamoto

294. Determination of Severity in a Rat Model of Neonatal Hypoxic-ischemic Encephalopathy by Neurite Orientation Dispersion and Density Imaging (NODDI)　Department of Biomedical Imaging, National Cerebral and Cardiovascular Center　Akiko Ohki

April 13 (Sat.)　414＋415

Imaging (Other) Image Evaluation

8：50～9：30　Chairman　Kenichi Kashikura（Gunma Prefectural College of Health Sciences School of Radiological Technology）
Naoki Kodama（Niigata University of Health and Welfare）

★ 295. Preliminary Study on Pathological Diagnosis Support Using Micro CT

Graduate School of Health Sciences, Fujita Health University　Tomonari Hayakawa

★ 296. Optimal Feature Extraction Methods for Classification of Mental Arithmetic and Resting State Based on Near-infrared Spectroscopy
Department of Medical IT Convergence Engineering, Kumoh National Institute of Technology Hyung-Tak Lee

★ 297. The 3D Reconstruction of Diabetic Foot Using Contact Based Near Infrared Spectroscopy (NIRS)
Department of Multidisciplinary of Radiological Science, Graduate School, Dongseo University Mezie Laurence Bacos Ortiz

★ 298. A Study on the Ergonomic Design of Portable Imaging Device Based on *f*-NIRS: Diabetic Foot Screening
Dept. of Multidisciplinary of Radiological Science, Graduate School, Dongseo University Do Young Yoon

Imaging Techniques and Research (Bone Mineral Density, Ultrasound)

9：40～10：40 Chairman Kurato Yasutomi（Kitasato University East Hospita）
Hiroshi Yamamura（Kanazawa Medical University Hospital）

299. Body Fat Mass Assessment by Dual-energy X-ray Absorptiometry Using Region of Interest in Children
Osaka Women's and Children's Hospital Erika Fukuoka

★ 300. Evaluation of Bone Mineral Density in Postmenopausal Women with Estrogen Receptor Positive (ER +) Breast Cancer Receiving Radiotherapy Treatment
Department of Medical Imaging and Radiological Technology Ping-Dong Hu

★ 301. Influence of Cigarette Smoking on Bone Mineral Density in Healthy Taiwanese Premenopausal Women
Department of Medical Imaging and Radiological Technology, Yuanpei University of Medical Technology Ching-Yu Wang

★ 302. QA/QC for Diagnostic Ultrasound Equipment Using Automated Analysis Software
Department of Diagnostic Imaging, Tokyo Medical University Hospital Atsuo Kawamoto

303. An Attempt to Unify the Criterion for Determining of Hepato-renal Echo Contrast Using DICOM Viewer in Ultrasonic Examination
Department of Radiology, Asanogawa General Hospital Tohru Iida

★ 304. Applicability of Water Phantom for Hysterosalping-contrast-sonography
Isomang OB&GYn, Korea Park Young Keun

Imaging Techniques and Research (General Radiography) Breast, Other

10：45～11：15 Chairman Kunio Kurowarabi（Hokkaido Cancer Sosiety Sapporo Cancer Medhical Center）
Hiroko Yamashina（Hokkaido University）

★ 305. Attempt to Reduce Exposure Dose by Creating Pseudo Full Field Digital Mammography from Digital Breast Tomosynthesis Image
Department of Diagnostic Imaging, Hiroshima University Hospital Rena Usuki

★ 306. A Study on the Evaluation of New MammoPad Materials and Their Usability in Mammography
Department of Radiology, Ewha Womans University Mok-dong Hospital Young-Ju Moon

★ 307. Automatic Exposure Control in Chest Radiography
Dept. of Radiological Science, Hanseo University Choi Sung Sik

Imaging Techniques and Research (General Radiography) Chest, Image Evaluation

11：20～11：50 Chairman Mitsuhiro Nakamae（Nara Medical University Hospital）
Takeshi Takaki（Hospital of the University of Occupational and Environmental Health）

★ 308. X-ray Output Management Using Exposure Index
Department of Diagnostic Imaging, Hokkaido Social Work Association Obihiro Hospital Kazuhiro Ogasawara

309. X-ray Image Evaluation in One Shot Energy Subtraction Processing Showa University Graduate School of Health Sciences Yasuda Mitsuyoshi

★ 310. A Study on Reduction of Dose by Source to Image Distance in Lateral Projection of the Sternum X-ray
Konkuk University Medical Center Woo-Taek Lim

Imaging Techniques and Research (General Radiography) Bone, Other

13：00～13：50 Chairman Shigeaki Nishiike（Rinku General Medical Center）
Shinichiro Hirose（Osaka University Hospital）

311. A Study of Composition and Rotation Index of Popliteal Surface in Knee Joint Simple X-Ray Examination Lateral Image Using CT Images
Department of Radiology, Tachibana Hospital Masaki Masuda

312. Utility of Extremely-low-Special-Frequency Processing on Shoulder Joint Cuff Attachment
Department of Radiology, Miyazaki University Hospital Shinya Yoshimoto

313. The Effects of Source Image to Receptor Distance Different from Set It on Image Quality in Scatter Correction
Department of Radiology, Miyazaki Prefectural Miyazaki Hospital　Atsushi Ueno

★ 314. Reproducibility of Relaxed Patient Position at the Weight-bearing Radiography of the Whole Lower Limb
Division of Radiology, Department of Medical Technology, Osaka University Hospital　Tomoya Takao

★ 315. Evaluation of Relationship between Radiation Dose and Image Quality According to Source to Image Receptor Distance in Rib Series Radiography
Dept. Radiology of Samsung Medical Center　Young-Cheol Joo

April 13 (Sat.)　F201＋202

Imaging Techniques and Research (CT) Image Quality and Evaluation

8：50～9：20　Chairman　Mitsunori Goto（MIYAGI CANSER CENTER）
Minori Hoshika（Okayama University Hospital）

★ 316. Evaluation Method of Isotropic Performance of CT System Using Spiral Micro Holes Phantom
Graduate School of Health Sciences, Fujita Health University　Taiki Murakami

317. The Change of Image Quality by the Reconstruction FOV Size of the Virtual Monochromatic Image for the Purpose of the Myocardial Late Iodine Enhancement.　Department of Radiology, Minamino Cardiovascular Hospital　Junji Mochizuki

★ 318. Examination of Optimal Imaging Parameters for Hand Tendon Using Computed Tomography
Department of Radiation Technology, Hyogo College of Medicine Hospital　Shuhei Aoyama

Imaging Techniques and Research (CT) Iterative Reconstruction, Image Quality and Evaluation

9：20～10：10　Chairman　Kazuhiro Sato（Tohoku University School of medicine）
Shohei Kudomi（Yamaguchi University Hospital）

★ 319. Comparison between Iterative Reconstructed Images and Conventional Reconstructed Images Using Texture Analysis
Department of Radiology, Kanazawa University Hospital　Tadanori Takata

320. Structural Similarity (SSIM)-Based Image Quality Assessment on Iteratively Reconstructed CT Images: Sub-Component Analysis
Department of Radiology, Osaka University Hospital　Sachiko Yamada

321. Evaluation of Streak Artifact Reduction Effect of Model Based Itelative Reconstruction Using Relative Artifact Index
Department of Radiology, Japanese Red Cross Wakayama Medical Center　Hiroyuki Kobayashi

322. Evaluation of Resolution Property for Half-scan Reconstructed CT Images with FBP, Hybrid Iterative Reconstruction, and Model-based Iterative Reconstruction Algorithm Methods　Division of Radiology, Saga-ken Medical Centre Koseikan　Norisato Tsuda

323. Reduction of Streak Artifact in Torso Computed Tomography with Arms-down Positioning by the Model Based Iterative Reconstruction Algorithm
Department of Radiology, Tokushima Municipal Hospital　Yukako Nishiyama

Imaging Techniques and Research (CT) Ultra High Resolution CT

10：10～10：50　Chairman　Toshihiro Ishihara（National Cancer Center Hospital）
Hiyori Mekaru（University of the Ryukyus Hospital）

324. Development of a Ultra High Resolution Computed Tomography System with Built-on Type Detector
Division of Health Sciences, Graduate School of Medical Sciences, Kanazawa University　Kota Ikarashi

325. Discussion on Proper Use of UHR and z-UHR　Department of Radiology, Shinonoi General Hospital　Yoshiki Shiraishi

★ 326. Study of Spatial Resolution and Undershoot in UHR-CT　Graduate School of Health Sciences, Fujita Health University　Taiki Murakami

★ 327. The Experimental and Clinical Evaluation of Temporal Bone CT Using Volume Scan by Ultra-high-resolution CT
Department of Radiology, Kyorin University Hospital　Wataru Yamamura

Imaging Techniques and Research (CT) Deep Learning, Image Quality and Evaluation

10：50～11：50　Chairman　Takanori Hara（Nakatsugawa Municipal General Hospital）
Yumi Takane（Tohoku University Hospital）

328. A Study of Deep Learning Reconstruction for Area Detector CT　Canon Medical Systems　Takuya Nemoto

★ 329. Assessment of Spatial Resolution for a Novel Reconstruction Method Using Artificial Intelligence
Department of Radiology, Hiroshima University Hospital　Nobuo Kitera

330. Usefulness of Deep Learning Reconstruction Technique for Abdominal CT Protocols in Obese Patients.
Department of Radiological Technology　Takahiro Miyoshi

331. Image Noise Evaluation in Ultra-High Resolution Computed Tomography Using Deep Learning Based Reconstruction
Department of Radiology, Osaka University Hospital　Kazuma Takakura

332. A Investigation of Low-contrast Detectability in CT Images with Deep Learning Reconstruction Methods
National Cancer Center Japan　Toshihiro Ishihara

333. Assessment of Noise Property and Output Dose for Deep Learning-based Reconstruction in Computed Tomography
Division of Diagnostic Radiology, Shizuoka Cancer Center　Atsushi Urikura

AI (Image Processing)

13：00～13：40　Chairman　Atsushi Teramoto（FUJITA HEALTH UNIVERSITY）
Kiichi Tadano（Kyorin University）

★ 334. A Study on Restoration Processing of Degraded Medical Images Using CNN　Department of Radiology, Tenri Hospital　Kentaro Okamoto

335. Improvement of Resolution Using Super Resolution for Mammography
Department of Radiology, Osaka City University Hospital　Yutaka Katayama

336. Exposure Dose Reduction with Image Super-resolution Using Deep Convolutional Networks in the Temporomandibular Joint Tomosynthesis
Division of Clinical Radiology, Tottori University Hospital　Ryohei Fukui

★ 337. Effect of Super Resolusion Processing Using Deep Learning Technique on SPECT Projection Images
Hiroshima International University, Faculty of Health Sciences, Department of Clinical Radiology　Rei Hashimoto

AI (Diagnostic Support)

13：40～14：20　Chairman　Daisuke Fukuoka（Gifu University）
Akira Hasegawa（Niigata University）

★ 338. Development of a Deep Learning System for Detection of Hip Fractures on Pelvic Radiographs
Department of Radiological Sciences, Graduate School of Health Sciences, Teikyo University　Tsubasa Mawatari

339. Performance Evaluation of Deep Learning Based Lung Nodule Detection from CT Images
Department of Radiology, Kyorin University Hospital　Yuya Shirakawa

340. CADe System for Lung Cancer CT Screening with New Design Method of Convolutional Neural Network
Center for Technology Innovation - Healthcare, Research & Development Group, Hitachi, Ltd.　Masahiro Kageyama

341. TIC Analysis Tool Trial Experience of Breast Dynamic MRI with CAD　Diagnostic Imaging Center Kasumi Clinic　Eikoh Ueda

AI (Radiomics)

14：25～15：05　Chairman　Rie Tanaka（Kanazawa University）
Megumi Yamamoto（Hiroshima International University）

★ 342. Radiomics for the Classification of Benign and Malignant Masses in Tomosynthesis Images
School of Health Sciences, Fujita Health University　Ayaka Sakai

★ 343. Prediction of the Recurrence Risk in Patients with Lung Cancer Using Radiomics
Gradient School of Health Sciences, Kumamoto University　Takuya Yoshioka

344. Initial Study of Automated Evaluation for Liver Fibrosis Using Pyradiomics
Department of Radiology Division, Kanazawa University Hospital　Hayato Adachi

★ 345. The Study of Normal Liver Tissue CT Radiomics Features Variation Following the Radiation Dose Level in Radiotherapy of Abdominal Cancer
Department of Radiation Oncology, Shandong Cancer Hospital Affiliated to Shandong University　Zhujun Han

AI (Others)

15：05～15：55　Chairman　Naoki Kamiya（Aichi Prefectural University）
Ryohei Fukui（Tottori University Hospital）

346．Evaluation of a New X-ray Field Recognition with Deep Learning　Dokkyo Medical University Hospital　Tomoaki Kimura

★ 347．A Method for Reducing Large Motion Artifacts of DSA Based on Deep Learning Technique
Hiroshima International University　Megumi Yamamoto

★ 348．Diagnostic Accuracy of Fusion Imaging with Coronary Computed Tomography Angiography and Myocardial Perfusion Single-photon Emission Computed Tomography in Conjunction with Artificial Intelligence
Department of Radiological Technology, Kanazawa University Hosipital　Hiroto Yoneyama

★ 349．Fundamental Study on CT Image Generation of Skull from T1-weighted MR Image Using Deep Learning
Tokyo Metropolitan University　Kazusa Sugeno

350．Machine Observer ROC Study for the Detection of Low-contrast Signals.
Graduate School of Health Sciences, Kumamoto University　Ryunosuke Fujikawa

Theme Session (AI：Technological Development・Image Quality Assessment)

16：00～17：00　Chairman　Yoshikazu Uchiyama（Kumamoto University）
Akira Inoue（Hiroshima International University）

★ 351．Development of DCNN Aided Retaking System for Lateral View of Knee Joint Radiograph
Department of Medical Physics and Engineering, Graduate School of Medicine, Osaka University　Yukino Ohta

★ 352．Development of Virtual DSA Using Deep Learning: Preliminary Study Using Cranial DSA Images
Graduate School of Health Sciences, Fujita Health University　Ryusei Kimura

353．Attempt to Reduce Metal Artifacts by CT Image Reconstruction Method Using Deep-learning
Hokkaido University Graduate School of Biomedical Science and Engineering　Yuji Tanaka

★ 354．Image Quality Assessment for MRI with Deep Learning: A Phantom Study
Tokyo Women's Medical University Medical Center East, Department of Radiology　Shinya Kojima

April 13 (Sat.)　F203＋204

Imaging Techniques and Research (MR) Blood Vessel

8：50～10：00　Chairman　Hajime Sagawa（Kyoto University Hospital）
Yuichiro Somiya（Kobe University Hospital）

355．Influence of Kat-ARC on Hemodynamics Analysis of Three-dimensional Cine Phase Contrast MR Imaging　Iwata City Hospital　Masaki Terada

356．The Usefulness of Relaxation Enhanced Angiography without Contrast & Triggering (REACT) in Magnetic Resonance Angiography of Shunt for Dialysis　Department of Radiology, Akashi Medical Center　Masayuki Tsukuda

★ 357．Correlation between Physiological Information and Visualizing Palmar Artery MRA with Enhanced Acceleration-selective Arterial Spin Labeling (eAccASL).　Department of Radiology, Tokai University Hospital　Misaki Saito

358．Effect of Echo Train Length for Vessel Depictability in Non-contrast Enhanced MR Angiography of the Calf
Department of Radiology, Maizuru Kyosai Hospital　Ayako Fujimoto

359．Ungated Radial Sampling in Non-contrast Enhanced MR Angiography for Lower Extremity
Radiological Section of Medical Technology Department, Oita University Hospital　Yoshiyuki Iwao

360．Evaluation of MTC Pulse in Non-contrast FASE Time-SLIP Lower Limb MRA
Department of Radiology, KKR Sapporo Medical Center　Tomohito Watanabe

361．Examination of Lower Extremity Artery by 4D Phase Contrast Angiography Using Compressed SENSE.
Department of Radiology, Tokyo Metropolitan Police Hospital　Kohei Yuda

Imaging Techniques and Research (MR) Prostate

10：10～10：50　Chairman　Hironobu Ishikawa（Fukushima Medical University Hospital Radiology Division）
Daisuke Ohura（Otaru General Hospital）

362．T2 Mapping Using b0 Images for Simultaneous Acquisition of ADC Map in Prostate Cancer Detection
Department of Radiology, Kumamoto Saisyunso Hospital　Hirotoshi Maruyama

363．Investigation of Imaging Method of Early Phase of Prostate Dynamic Contrast MRI
Department of Radiology, JA Nagano South Nagano Medical Center Shinonoi General Hospital　Yukari Watanuki

★ 364．Effect of Different Injection Rates of 1.0 M Gadobutrol and Saline Chaser on Dynamic Contrast Enhanced MRI : A Study of Using Prostate Imaging
Department of Radiological Technology, Japan Community Health Care Organization (JCHO) Sapporo Hokushin Hospital　Yuya Makino

365．Feasibility Study of Z-Interpolation Using 3D-Convolutional Neural Network for MR Images.
Central Division of Radiology, Nara Medical University Hospital　Kozo Shimizu

Imaging Techniques and Research (MR) Safety

11：00～11：50　Chairman　Wataru Jyomoto（Hyogo College Of Medicine Hospital Radiological Technology Division）
Yasuo Takatsu（Tokushima Bunri University）

366．Evaluation on RF Heating of Various Ointments　Department of Radiological Technology Hokkaido University Hospital　Kinya Ishizaka

367．Verified That Surface Temperature Rise of the Fiber Carbon Sheet with the 1.5Tesla Magnetic Resonance Imaging
Department of Radiologic Technology, Jichi Medical University Hospital　Hiroyuki Yazawa

368．Study of the Protection Effect of RF Pulse by Electromagnetic Wave Blocking Sheet
Depertment of Radiology, The Jikei University Kashiwa Hospital　Tomomi Saikawa

369．Head and Neck Radiation Therapy Fixture Adversely Affect MRI
Center for Radiorogy and Radiation Oncology, Kobe Univercity Hospital　Asuka Sunakawa

★ 370．Assessment of MRI Induced Heating Effect for Pulse Oximeter Sensor
Department of Radiology, Samsung Medical Center, Korea　Jung Seung Young

Imaging Techniques and Research (Multi Modality) Basic Technique

16：10～17：00　Chairman　Kazuaki Suwa（Dokkyo Medical University Saitama Medical Center）
Yukiko Abe（The Jikei University Hospital）

371．Evaluation of Metal Artifact Reduction Techniques in Angiography and Computed Tomogaraphy
Department of Radiology, Kobe City Medical Center General Hospital　Yukihiro Nawa

372．Evaluation of Residual Image of Dynamic Images Using Dynamic Blood Vessel Phantom
Department of Radiology, Showa University Fujigaoka Hospital　Miwa Osawa

373．Study of Suitable Use in Pediatric Pigtail Catheter.　Iwate Medical University Hospital Department of Radiology　Ryuhei Iwaki

374．Utility of Gridless Protocol in X-ray Fluoroscopic Imaging Systems with FPD: Basic Study of Radiation Dose and Image Quality
Department of Radiology, The University of Tokyo Hospital　Noriyuki Sakai

375．Study on Radiation Conditions in Tomosynthesis After THA　Department of Radiology, Iida Hospital　Tatsuya Gotoh

April 13 (Sat.)　National Convention Hall

Imaging Techniques and Research (CT) Dual Energy, Accuracy Verification 1

13：00～13：40　Chairman　Tomokazu Ishida（University of Fukui Hospital）
Rika Fukui（Tokyo Women's Medical University Medical Center East）

376．Inspection of the CTnumber of the Effective Atomic Number Image and the Electron Density Image by Filter Transmission Type Dual Energy CT
Department of Radiology, Aomori City Hospital　Tomoaki Kozawa

377．A Study of Usefulness of Effective Atomic Number-based Image Using Dual-layer CT　Saiseikai Kawaguchi General Hospital　Masakazu Shito

378．Basic Study on Accuracy of Effective Atomic Number Measurement in Spectral Image Using Detector-based Spectral CT Scanner.
Department of Radiology, Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology　Yutaka Suzuki

379. Influence of CT Imaging Conditions on Visualization Capability of Blood Vessel Analysis Software

Department of Radiology, Saitama Sekisinkai Hospital　Atsushi Mochizuki

Imaging Techniques and Research (CT) Dual Energy, Accuracy Verification 2

13：40～14：20　Chairman　Eiji Nishimaru（HIROSHIMA UNIVERSITY HOSPITAL）
Shunsuke Itaya（Teine Keijinkai Hospital）

380. Body Index for Selection of Calcium Suppression Intensity in Dual-energy CT

Department of Radiology, Kagoshima University Hospital　Mutsukazu Hayashi

381. Improvement of Discrimination Accuracy of Iodine and Calcium in Dual-energy CT Angiography at Ultra-high Resolution CT Scanner

Division of Radiology, Department of Medical Technology, Kyushu University Hospital　Takashi Shirasaka

382. A Comparative Study of the CT Number Between Different Generations Fast kVp Switching Dual-energy CT.

Onomichi General Hospital　Tomokatsu Tsukamoto

383. Study on Accuracy Improvement of Contrast Agent Component Image by Dual Energy CT.

Department of Radiology, Tokai University Hospital　Yuuto Kohata

Imaging Techniques and Research (CT) Dual Energy, Image Quality and Evaluation

14：20～15：20　Chairman　Kazuya Ohashi（Nagoya City University Hospital）
Takashi Hoshino（Oosaka High Technology Vocational School）

384. Investigation of MTF Measurement Method Considering Distortion of LSF in Low Energy Virtual Monochromatic Image.

Department of Radiology, Minamino Cardiovascular Hospital　Shinya Misawa

385. Effect of Energy Level and Contrast Medium Concentration on Image Quality of Virtual Monochromatic Image Among Multi-vendor Dual Energy CT　Tokyo Women's Medical University Medical Center East　Suguru Nakayama

386. Evaluation of Image Quality at Virtual Monoenergetic Image with Biological Simulated Phantom in Dual Layer Detector CT

Department of Radiology, Saiseikai Kawaguchi General Hospital　Yosuke Kidokoro

★ 387. The Effect by Iodine Density and Arterial Diameter on Virtual Non Contrast Image

Department of Radiology, Hokkaido Cardiovascular Hospital　Yusuke Maeda

388. Influence of Contrast Agent and Scan Protocol on Virtual Non-contrast Image Using Dual Layer CT

Department of Radiology, Tokyo Metropolitan Geriatric Hospital　Naoki Yokokawa

389. Inspection of Slice Sensitivity Profile of the Virtual Monochromatic X-rays Image by Filter Transmission Type Dual Energy CT and Double Rotation Dual Energy　Aomori City Hospital　Shota Ishikawa

Imaging Techniques and Research (CT) Artifact Reduction, Beam Quality

15：20～16：00　Chairman　Souji Miyashita（Otolaryngology Asou Hospital）
Wakiko Tani（Kobe University Hospital）

390. Reduction of Image Noise Accompanying Rise in Effective Energy in X-ray CT

Department of Radiology, Sendai Open Hospital　Ayana Ishiguro

391. Usefulness of Ultra-High-Speed CT Scanning for a Respiratory and Cardiac Motion Simulated Phantom.

Tokyo Women's Medical University Medical Center East　Yuzo Yamamoto

392. Image Quality of Head CT-angiography with Beam Hardening Correction in Ultra High Resolution CT

Division of Radiology, Okayama University Hospital　Minori Hoshika

★ 393. Metal Artifact Reduction Using Tilt Scan Technique in CT

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

Imaging Techniques and Research (CT) Radiation Dose Optimization

16：00～17：00　Chairman　Takashi Takagi（Chiba Kaihin Municipal Hospital）
Yasuhiro Fukushima（Kyoto University Hospital）

★ 394. Fundamental Study of the Positioning Image for CT Scan Using Low Tube Voltage to Reduce Exposure

Department of Radiation Technology, Shimane Prefectual Central Hospital　Masataka Sayo

395. Comparison of Exposure Dose and Image Quality Due to Positioning Accuracy in Infant CT.
Department of Radiology, The University of Tokyo Hospital Kenji Ino

396. Influence of the Scout Views on Image Quality in Pediatric Cardiac CT Examination Tsuchiya General Hospital Takayuki Yoshiura

397. Study of Low Dose Protocol Using Successive Approximation Application Reconstruction Method in CT for Hydrocephalus Pediatric
Department of Radiology, Miyazaki University Hospital Takahiro Matsuoka

398. Reduction of Contrast Agent and Exposure Dose Using Subtraction Iodine Mapping
Sciences, Iwate Medical University Medical Heart Center Tadashi Sasaki

★ 399. Effect of Body Mass Index in Coronary CT Angiography Performed on a 256-slice Multi-detector CT
Tzu-Chi University of Science and Technology Ching-Yuan Cheng

April 14 (Sun.) 501

Imaging (Multi-modality) Image Analysis 2

8：50～9：30 Chairman Eiichiro Okumura（Tsukuba International University）
Hiroaki Hayashi（Kanazawa University）

★ 400. Evaluation of Tumor with Visceral Pleural Invasion Using Oblique Views of Dynamic Chest Radiography: A Computer-based Phantom Study
Graduate school of Medical Sciences, Kanazawa University Nozomi Ishihara

★ 401. Computer-based Virtual Clinical Study on Pulmonary Function Diagnosis with Dynamic Chest Radiography
School of Health Sciences, College of Medical, Pharmaceutical & Health Sciences, Kanazawa University Rie Tanaka

★ 402. Monte-Carlo Simulation of Photon Counting Detector Towards Production of Effective Atomic Number Images Using Continuous X-rays
Division of Health Sciences, Graduate School of Medical Sciences, Kanazawa University Takumi Asakawa

403. Evaluation of the Separation Effect of the Body Composition by Energy Subtraction Method Japanese Red Cross Medical Center Nao Mochida

Imaging (Multi-modality) Image Evaluation

13：00～13：50 Chairman Kenji Kishimoto（Osaka City University Hospital）
Shogo Suzuki（KARIYA TOYOTA GENERAL HOSPITAL）

404. Basic Study of Noise Reduction Processing in Different X-ray Dose Saiseikai Kawaguchi General Hospital Ryota Tozawa

405. Evaluation of New Dynamic Range Control Processing on Whole Spine Lateral Radiograph
Department of Radiological Technology, Kawasaki Medical School Hospital Yusuke Saeki

406. Investigation of Influence of Irradiation Field Size on Scattered Radiation Reduction Processing Using Image Similarity Analysis
Department of Radiology, Saiseikai Kawaguchi General Hospital Kazuya Mori

407. Basic Study on Scattered Ray Removal Software and Gradel Effect Juntendo university urayasu hospital Takuya Uchigashima

408. Comparison of Different Two Products for Scattered X-ray Correction Processing System
Deparment of Radiology, Hyogo Collage of Medicine Collage Hospital Yuya Wada

Imaging (Tomosynthesis, Other) Image Evaluation

14：00～14：40 Chairman Rie Ishii（Tokushima Bunri University）
Norimitsu Shinohara（Gifu University of Medical Science）

★ 409. Indirect Photon-counting X-ray Imaging Using CMOS Photon Detector (Cpd) Sony Semiconductor Solutions Corporation Toshiyuki Nishihara

★ 410. Comparison of Characteristics in 3 Different Mammography Systems Equipped with Digital Breast Tomosynthesis
Radiological Technology Department, Clinical Technology Division, Tokai University Hachioji Hospital Hikaru Yoshioka

411. Influence of a Height of the X-ray Tube's Center of Rotation for Measuring the Resolution Property in Tomosynthesis Imaging.
Division of Clinical Radiology, Tottori University Hospital Yudai Ota

412. Basic Study of Number of Iterative Reconstruct Assume Influence on Tomosynthesis Imaging
Depertment of Radiology, Kyorin University Hospital Junpei Yamaguchi

April 14 (Sun.)　502

Imaging Techniques and Research (IVR・CT) Analysis

13：00～13：30　Chairman　Hajime Sakamoto（University of Yamanashi Hospital）
Mitsuru Nakada（Tohoku University Hospital）

★ 413. Clinical Evaluation of Automated Tumor-feeders Detection Software for Selective Hepatic Tumor Intervention
Department of Radiology, Osaka City University Hospital　Yoshinori Takao

★ 414. Relationship between Coronary Fractional Flow Reserve (FFR) and Computational Fluid Dynamics (CFD) Analysis for Coronary Artery Moderate Stenosis　Department of Radiological Technology, Showa University Hospital　Daisuke Kittaka

415. Can Hemodynamic Analysis of Left Atrial Be a New Risk Indicator of Intra Left Atrial Appendage Thrombus Development?: A Simulation Study
Department of Radiological Technology, Kokura memorial hospital　Tatsunori Saho

Imaging Techniques and Research (CBCT) Clinical Technique

13：40～14：40　Chairman　Yoshinori Takao（Osaka City University Hospital）
Go Hitomi（KAWASAKI MEDICAL SCHOOL HOSPITAL）

416. Determination of Delay Time of 3D-Rotational Venography in Cerebral Angiography
Division of Radiology, Department of Medical Technology, Osaka University Hospital, Osaka, Japan.　Takumi Uemura

★ 417. Optimization of the Scan Condition of CBCT in the Cerebral Angiography
Department of Radiology, Saiseikai Kumamoto Hospital　Honami Takeuchi

★ 418. Evaluation of Image Quality, Radiation Dose and Metal Artifact Reduction in High Resolution Cone Beam CT
Clinical Technology Department of Radiology, Tohoku University Hospital　Takashi Takeuchi

419. Study on Evaluation Method of Metal Artifact Reduction Effect on Change of Scanning Condition of Cone Beam CT
Department of Radiology, Kobe City Medical Center General Hospital　Sho Taniuchi

★ 420. Study on Image Reconstruction Technique using Digital Phantom　Department of Radiology, Tokai University Hospital　Shuntaro Shimizu

★ 421. Fundamental Study of Motion Freeze Application; Phantom Study in Cranial-caudal Direction
Department of Radiology, Tokai University Hospital　Kensuke Yanagi

April 14 (Sun.)　503

Radiotherapy (Treatment Planning -4)

13：00～13：50　Chairman　Ryu Kawamorita（Tane General Hospital）
Yoshitaka Oka（Fukushima Medical University Hospital）

★ 422. Fractionation Effects on the Robustness for Prostate Cancer.
Section of Radiation Therapy, Department of Clinical Support, Hiroshima University Hospital　Kento Tsubouchi

423. Dose Evaluation Indices in Myeloablative Total Body Irradiation Using Static Mode of Helical Rotational Intensity Modulated Radiation Therapy System with Different Numbers of Ports
Division of Medical Quantum Radiation Sciences, Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University
Kazuki Matsumoto

424. Verification of Accuracy of Biological Target Volume Based on Adaptive Threshold Segmentation Using Various Fixed Threshold Segmentation Algorithms as Initial Volume　Department of Radiology, Public Central Hospital of Matto Ishikawa　Tetsu Nakaichi

★ 425. A New Method of Accurate Field Matching for Irradiation of the Chest Wall and Supraclavicular Region Using Single-isocenter Half-beam Techniques　Department of Medical Technology, Ise Red Cross Hospital　Kengo Iwaki

426. A Margin for Fractionation Effects in Stereotactic Radiation Therapy
Division of Clinical Support, Hiroshima University Hospital　Daisuke Kawahara

Radiotherapy (Other)

14：00～14：40　Chairman　Tomohiro Shimozato（Gifu University of Medical Science）
Ryuichi Yada（Kobe University Hospital）

427. The Influence of Implantable Central Venous Ports on the Distributions of Radiation Dose
Department of Radiology, Teikyo University Hospital, Mizonokuchi　Toshiki Takeshita

★ 428. Reliability of Head and Neck Tumor Volume Using PERCIST
Department of Radiology, National Hospital Organization Kyushu Cancer Center　Keisuke Hamada

★ 429. Study on the Influence of Storage Condition on Postal Dosimetry Using TLSD　Tokyo Metropolitan University　Daiki Maruyama

430. Influence of MRI Imaging on Ionization Chamber Dose Measurement in MRgRT
Radiological Technology, National Cancer Center Hospital　Tatsuya Sakasai

April 14 (Sun.)　414＋415

Radiation Protection (Angiography, Interventional Radiology) Dose Evaluation

8：50～9：40　Chairman　Toru Ishibashi（Tsuchiya General Hospital）
Kazuma Matsumoto（Hyogo College Of Medicine Hospital）

431. Evaluation of Patient Radiation Dose in Percutaneous Coronary Intervention
Department of Radiation Technology, Sendai City Hospital　Kentarou Sakamoto

432. Investigation of Scattered Radiation Reduction Using a Collimator Covered with Protective Cloth in Over-table Type Fluoroscopy
Department of Radiology, Hospital of the University of Occupational and Environmental Health, Japan　Koichi Nakagami

433. In-room Scatter Radiation Dosimetry on Mobile C-arm System for Spinal Surgery
Department of Radiological Technology, Kurashiki Central Hospital　Masaaki Fukunaga

434. Scattered X-ray Measurement When Using Portable C-arm System in Operating Room
Niigata University Medical&Dental Hospital　Kota Nitami

435. Evaluation of Max Skin Entrance Dose during Percutaneous Coronary Intervention Procedures by Use of Total Reference Air-Kerma Displayed on Angiography Systems　Department of Clinical Radiology, Tottori University Hospital　Takuro Tanaka

Radiation Protection (CT) Dose Evaluation

9：50～10：40　Chairman　Naoki Mimura（Fukuyama City Hospital）
Kosuke Matsubara（Kanazawa University）

436. Measurement of Radiation Dose Increased by Contrast Material at Cardiac CT Used RPLD
Department of Radiology, Akita Research Institute of Brain and Blood Vessels　Fumiaki Sasaki

437. Radiographic Conditions of CTHA Using IVR-CT in Comparison with Diagnostic Reference Level
Department of Radiology, Yamanashi University Hospital　Shinji Ohshima

★ 438. An Evaluation of Radiation Dose for Wide Volume Scan during Chest Computed Tomography.
Department of Radiological Technology, Kizawa Memorial Hospital　Kenji Sako

★ 439. Evaluation of Radiation Dose and Image Quality by Using Tube Current Directional Modulation in Head Computed Tomography
Department of Radiology, Koshigaya Municipal Hospital　Mitsugu Sekine

★ 440. An Experiment Toward Proposing A Way to Reduce Eye Lens Exposure Dose Using Small-type OSL Dosimeter during Neonatal Cardiac CT Examination　Graduate School of Biomedical Sciences, Tokushima University　Yoshiki Mihara

Radiation Protection (Multi-modality) Dose Management and Survey

10：50～11：30　Chairman　Noriaki Akagi（Okayama University Hospital）
Yasutaka Takei（Kawasaki University of Medical Welfare）

441. A Survey on the Radiation Protective Equipment for Medical Staff in a Hospital
Department of Radiology, Shin Komonji Hospital　Satoru Matsuzaki

★ 442. Construction of Dose Management System for CT Scan Using Dose Management Software
Department of Radiology, Juntendo University Hospital　Shiori Hamagawa

443. Radiation Dose Survey at Multi Center Using the Same CT Scanners　Department of Radiology, Kusatsu General Hospital　Hiroki Okada

444. Study of Dose Indicator Management Using Analysis Tool in Image Processing Equipment for General Imaging

Department of Radiology, Fussa Hospital　Shigeji Ichikawa

Measurement (Angiography, Lens) Radiation Dose Evaluation

13：00～13：40　Chairman　Hiroaki Suzuki（The Jikei University Hospital）
Tetsuo Kasahara（Chiba University Hospital）

445. Evaluating Eye Lens Dose of Neurovascular and Cardiac Interventional Physician

Department of Radiology and Nuclear Medicine, Research Institute for Brain & Blood Vessels-Akita　Mamoru Kato

446. Study on Direct Dosimetry of Eye Lens of Medical Staff during Cardiac Interventional Radiology

Department of Radiology and Nuclear Medicine, Akita Research Institute of Brain and Blood Vessels　Takato Ishida

447. Equivalent Dose Assessment of the Lens of the Eye for Medical Staff by Using Monte Carlo Calculation Code

School of Health Sciences, Faculty of Radiological Technology, Fujita Health University　Ryuta Hayashi

★ 448. Evaluation of Interventional Performace Using NEMA Phantom　Department of Radiological Technology, Shingu University　Ye-eun Kim

Measurement (Multi Modalities) Radiation Dose Evaluation

13：50～14：40　Chairman　Hitoshi Sato（Ibaraki Prefectural University of Health Sciences）
Yoshiki Yamaguchi（Chiyoda Technol Corporation）

★ 449. Design of New BMD Detector with the Dual Layered CdZnTe　The Korea University　Eun Hye Kim

★ 450. National Survey Result Report of Bone Mineral Densitometer (DEXA) in Korea

Department of Health Safety Convergence Science, Korea University　Hyemin Park

★ 451. Scattered Radiation Dose Reduction for Chest AP Examination at Emergency Bedside

Department of Radiology, King Chulalongkorn Memorial Hospital, Thai Red Cross Society　Petcharleeya Suwanpradit

★ 452. Trial Production and Evaluation of Characteristics of Novel-shaped Optically Stimulated Luminescence Dosimeter Having Lower Angular Dependence　Division of Health Sciences, Graduate School of Medical Sciences, Kanazawa University　Sota Goto

453. Difference in Lead Equivalence Exerted by Geometrical Conditions of Attenuation Characteristic Evaluation Using Lead-free Radiation Shielding Material　Department of Radiological Technology, Niigata University of Health and Welfare　Michiharu Sekimoto

April 14 (Sun.)　F201＋202

Imaging Techniques and Research (MR) Heart

8：50～9：30　Chairman　Kenichiro Yamamura（Osaka Medical College Hospital）
Nobuyuki Arai（Nagoya City University Hospital）

★ 454. 3D Coronary Black Blood Imaging Using Variable Flip Angle with Local Excitation　Tenri Hospital　Ryo Yamazaki

★ 455. Optimization of Imaging Parameters in Infantile and Pediatric Cardiac Cine MRI

Department of Radiology, Division of Medical Technology, Okayama University Hospital　Toshi Matsushita

★ 456. Method of ECG Electrode Placement to Avoid Poor Synchronization with Waveforms of Vectorcardiography in 3T-Cardiac MRI

Department of Radiological Technology, Toranomon Hospital　Hidesato Suzuki

457. The Study of 7.0T MRI Sequence for Evaluating Heart Failuremodel Rat　Tokyo Metropolitan University　Katsuhito Tsuzuki

Nuclear Medicine (SPECT, Planar) Cardiovascular(2)

9：50～10：30　Chairman　Kazuya Sakaguchi（Kitasato University）
Yoshinao Misu（Narita Memorial Hospital）

458. Examination for the Quality Control of Myocardial Ischemia Evaluation Using Myocardial 17 Segments Phantom

Univercity of Yamanashi Hospital　Hiroaki Ikegawa

459. A Fundamental Study on Influence of Extra-cardiac Activity by Using Digital Phantom

Department of Radiological Technology Faculty of Health Sciences, Hokkaido University of Science　Satoru Shinhama

460. Evaluation of Multivessel Disease Using SUV in Myocardial SPECT　Department of Radiology, Osaka City University Hospital　Takuro Nagano

461. Evaluation of a Method for One Time Computed Tomography Based Attenuation Correction in Myocardial Perfusion Imaging with Single Photon Emission Computed Tomography Using Thallium-201 Department of Radiogy, JCHO Tokuyama Central Hospital Mitsuha Fukami

Nuclear Medicine (SPECT, Planar) Musculoskeletal

10：50～11：50 Chairman Norikazu Matsutomo（Kyorin University）
Takayuki Shibutani（Kanazawa University）

462. Count Normalization in Bone SPECT Images Using Density Histogram Methods
Department of Radiological Sciences, International Univercity of Health and Welfare Hikaru Yokokawa

463. Discrimination between Bone Metastasis and Degenerative Change in Patients with Prostate Cancer by Bone SPECT Quantitative Analysis without CT Attenuation Correction Department of Radiological Technologist, Kokura Memorial Hospital Naoya Hattori

464. Accuracy of an Automatically Quantitated Software for Custom-designed Thoracic Bone Phantom
Department of Radiology, Toyohashi Municipal Hospital Hajime Ichikawa

465. Evaluation of Bone SPECT Phantom Images Using K_2HPO_4 Solution Reconstructed by OSCGZ Method
Division of Radiology, Department of Medical Technology, Osaka University Hospital Takashi Kamiya

466. The Effect of Acquisition Methods and Reconstruction Parameters to Becquerel Calibration Factor on SPECT Quantification
Department of Radiological Technology, Kyushu University Hospital Shiho Araki

★ 467. The Usability Evaluation According to the Application of New Shields in 3 Phase Bone Scan
Department of Radiological Technology, Shingu University Hyunwoo Lee

Imaging Techniques and Research (CT) Image Analysis, Blood Flow Evaluation

13：00～13：40 Chairman Isao Yamaguchi（Butsuryo College of Osaka）
Tomomi Ohmura（Research Institute for Brain and Blood Vessels-Akita）

★ 468. Procedure and Image Characteristics of One-scan Sequential Subtraction by Half Reconstruction Method
Fujita Health University, School of Health University, Faculty of Radiological Technology Katsumi Tsujioka

★ 469. Improvement of Sequential Subtraction by Color Display of Contrasted Vessel Body
Fujita Health University, School of Health University, Faculty of Radiological Technology Katsumi Tsujioka

★ 470. Development of Dynamic Image Analysis Method for Acute Stroke Diagnosis in Brain Perfusion CT
Radiological Science, Dongseo University Young-jin Jung

471. Comparison of Detection Performance for Early Ischemic Changes in Acute Stroke between a Computerized Method Using Deep Learning and Neuroradiologists in Noncontrast CT
Department of Radiology and Nuclear Medicine, Research Institute for Brain and Blood Vessels-Akita Noriyuki Takahashi

Imaging Techniques and Research (CT) Image Analysis, Clinical Technique

13：50～14：40 Chairman Katsumi Tsujioka（Fujita Health University）
Koichi Sugisawa（Keio University Hospital）

472. Basic Study of Evaluation of Anemia with CT Value of the Blood JA Niigata Kouseiren Toyosaka Hospital Naoki Matsuda

473. A Study on Usefulness of Muscle Mass Measurement Using Cross-sectional Computed Tomography Images
Department of Radiology, Daiyukai Health System Yusuke Ito

474. Application of Renkin Crone Model to Glomerular Filtration Rate and Renal Blood Flow Measurement by Contrast CT
Fujita Health University Graduate School of Health Science Tatsuto Oshima

★ 475. Catheter Ablation Preoperative Evaluation in non-Contrast CT That Utilized Deep Learning: Initial Report
Department of Radiology, Edogawa Hospital Hideyuki Sato

★ 476. To Study the Feasibility in Diagnosis of Mediastinal Lymph Node Metastasis for non-smal Cell Lung Cancer Applying CT Radiomics Features
Department of Radiation Oncology, Shandong Cancer Hospital Affiliated to Shandong University Xue Sha

April 14 (Sun.)　F203＋204

Imaging (MR) Brain：Analysis

8：30～9：30　Chairman　Akihiro Kitanaka（Ishikawa Prefectural Central Hospital）
Masaki Terada（Iwata City Hospital）

477．Extraction of Pituitary Gland Using Deep Convolution Neural Network
Department of Radiology, Shinshu University Hospital　Tomoko Maruyama

★ 478．Assessment of Description and Usefulness of Middle Linear Hyperintensity in Multiple System Atrophy(MSA)
Department of Neuroradiology, Tokyo Metropolitan Neurological Hospital　Ryosuke Yagi

★ 479．Voxel-based Simultaneous Analysis of Magnetic Susceptibility and Morphometry in Patients with Alzheimer's Diseases
Department of Radiology, Nagoya City University Hospital　Hirohito Kan

480．Development and Application of Lactate Chemical Exchange Saturation Transfer (CEST) Imaging for Mitochondrial Disease Model
Course of Medical Physics and Engineering, School of Allied Health Sciences, Osaka University　Reika Sawaya

481．Myelin-magnetic Resonance Imaging Derived from Quantitative Parameter Mapping
Graduate School of Biomedical Sciences, Tokushima University　Yuki Kanazawa

★ 482．Simultaneous Acquisition of Relaxation Time, Susceptibility, and MR Angiography by Using Three-dimensional RF-spoiled Gradient Echo
Research & Development Group, Hitachi, Ltd.　Tomoki Amemiya

Imaging (MR) Head and Neck Vessels

9：40～10：40　Chairman　Takeshi Ohta（Saiseikai Kumamoto Hospital）
Hirotoshi Maruyama（Kumamoto Saishunso National Hospital）

483．Evaluation of the Usefulness of Deep Learning Reconstruction (DLR) in Ultra-high Resolution Intracranial Vessel Wall Imaging
Section of Radiology, Kyorin University Hospital　Sanae Takahashi

★ 484．Three-dimensional Time-of-Flight Magnetic Resonance Angiography Using Dual Echo for Ophthalmic Artery
Department of Radiology, Japanese Red Cross Okayama Hospital　Takamasa Kurosaki

485．Basic Study on Subtraction MRA Images of Ultra Short TE　Department of Radiological Technology, Soka municipal Hospital　Hirotaka Sato

486．Investigation of Non-gated and Non-contrast Enhanced MRA Visualization Using Multi Pre-saturation Pulses with Low Flip Angle.
Department of Radiology, Hasuda Hospital　Takashi Yamada

★ 487．Application of Neurovascular 4Dflow MRI in Assessment of Hemodynamics on Patients with Moyamoya Disease
West China Hospital of Sichuan University　Jinge Zhang

★ 488．Evaluation of Haemodynamic and Morphological Biomarkers to Assess the Rupture Risk of Intracranial Aneurysms Using Magnetic Resonance Fluid Dynamics and Computational Fluid Dynamics.
Department of Radiological and Medical Laboratory Sciences, Nagoya University Graduate School of Medicine, Nagoya University
Roshani S. Perera

Imaging Techniques and Research (MR) Whole Body DWI

10：50～11：50　Chairman　Hiroki Hori（SHIN-YURIGAOKA General Hospital）
Hisashi Kitagawa（The Jikei University Kashiwa Hospital）

489．Study of Intestinal Signal Elimination Technology Using T2 Shine Through Suppressed DWIBS
Seikeikai Medical Corporation Chiba Medical Center　Masatoshi Kojima

490．Direct-coronal SPLICE DWIBS at 3T: Comparison with Conventional Methods
Department of Radiology, Kumamoto Chuo Hospital　Nobuyuki Toyonari

491．Examination of DWIBS Using Readout Segmented EPI(Single Shot)　Department of Radiology, Aomori City Hospital　Takayuki Kudo

492．Bone Marrow Signal Representation Ability of DWIBS Method Due to Difference of Magnetic Field Strength
Department of Radiology, Yokohama Minami Kyousai Hospital　Hiroaki Minami

493．Evaluation of Slice by Slice Center Frequency Adjustment in Whole Body Diffusion Weighted Images.
Hiroshima Heiwa Clinic Oncologic Imaging Center　Shunsuke Hasegawa

494. Improvement of Signal Loss Due to Magnetic Field Inhomogeneity Caused by Body DWI in Chest Region Using Ba-Pad

Tojun Hospital　Takamasa Matsushima

Imaging (MR) Compressed Sensing

13：00〜14：10　Chairman　Shinya Kojima（Tokyo Women's Medical University Medical Center East）
Kimihiro Kajita（Gifu University Hospital）

495. Evaluation of Image Quality in 2D-MRI Using Parallel Imaging and Compressed Sensing

Department of Radiology, Saitama Prefecture Saiseikai Kurihashi Hospital　Kunihiro Watanabe

496. Influence of TSE-DWI with Compressed Sensing Technique of ADC :A Phantom Study by Ice-water

Department of imaging diagnosis, Shizuoka Cancer Center　Ippei Kawashima

497. Investigation of Utility of Compressed Sensing in Imaging of Minute Structures

Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University　Hiroki Fujiwara

★ 498. Denoising Parameter Dependence of Noise Characteristics in Compressed Sensing MRI

Department of Radiology, Toranomon Branch Hospital　Junji Takahashi

★ 499. Evaluation of Resolution Characteristics in Compressed Sensing MRI: The Effects of Denoisng Fliter

Radiology Division, Kanazawa University Hospital　Shinsuke Hanaoka

★ 500. Evaluation of Noise Characteristics of Compressed Sensing MR Images Using 2D and 1D Noise Power Spectra

Tohoku University Graduate School of Medicine　Ryo Kamoshida

★ 501. Investigation of Improvement of MRI Scan Time Acceleration Factor by Compressed Sensing with Deep Learning Base Noise Reduction

Canon Medical Systems Corporation　Masaaki Umeda

Presentation at Monitor

April 12 (Fri.)　N101

Imaging (MR) Diffusion

9：00～9：30　Chairman　Hiroaki Saito（Niigata University Medical & Dental Hospital）

1001．Influence of Imaging Parameters in DWI on Distortion Due to Eddy Current

Department of Radiology, Public University Corporation Fukushima Medical University　Hironobu Ishikawa

1002．Separation of Distortions Due to EPI and Eddy Current in DWI and Influence of Distortion Components on DWI

Department of Radiology, Public University Corporation Fukushima Medical University　Hironobu Ishikawa

1003．Influence in Difference Among Fat Suppression Method on the Measurement of Apparent Diffusion Coefficient

Department of Radiology, Komaki City Hospital　Takahide Kato

1004．Influence of Different Vendor and Magnetic Field Strength on ADC Value

Department radiology Technology, Hirosaki University Hospital　Kazuhiko Oyu

Imaging Techniques and Research (MR) Heart

9：40～10：10　Chairman　Toshi Matsushita（Okayama University Hospital）

1011．Myocardial Native T1 Mapping Using SMART1Map at 1.5-T MR Scanner: Healthy Volunteer Study

Department of Radiology, Iwate Medical University Memorial Heart Center　Tsuyoshi Sugawara

1012．The Influence of Compressed Sensing on T1 Mapping Using Modified Look-Locker Inversion Recovery Method in Cardiac MRI

Division of Radiology, Department of Medical Technology, Kyushu University Hospital　Daisuke Nishigake

1013．The Effect of Compressed Sensing on Vessel Depictability Using Coronary Stenosis Phantom

Department of Radiology, Ehime University Hospital　Hiroshi Suekuni

1014．Comparison of Right Ventricular Ejection Fraction in Cardiovascular MRI and Cardiac CT

Department of Radiology, Sendai Kosei Hospital　Takehiro Sato

1015．Effect of Variable Saline Injection Method in Enhanced 4D MR Angiography

Department of Radiology, The Jikei University Katsushika Medical Center　Mizuki Takada

Imaging Techniques and Research (CT) Monitor, Image Quality and Evaluation

15：10～15：40　Chairman　Hirobumi Nagasawa（National Cancer Center Japan）

1021．Effect of the Reconstructed Images with Different Scan Modes on the Contrast at Ultra High Resolution Computed Tomography

Hirsohima University Hospital　Kazushi Yokomachi

1022．Investigation of Low Contrast Detection Capability of Virtual Monoenergetic Image in Dual-layer Detector CT

Saiseikai kawaguchi General Hospital　Hironobu Tomita

1023．Performance Characteristics of Tube Current Auto Exposure Control on Dual-energy CT

Department of Radiology, Shiga General Hospital　Tetsuya Kitano

1024．Evaluation of Abdominal CT Fluoroscopy Image by the Different Tube Voltage Setting

Osaka City University Hospital Department of Radiology　Keigo Arita

1025．Virtual Monochromatic Image in Dual Energy CT Examination of Influence Factors on Beam Hardening Correction Accuracy

Radiology Diagnosis, Okayama Saiseikai General Hospital　Norimi Nishiyama

Imaging Techniques and Research (CT) Monitor, Clinical Technique

15：45～16：15　Chairman　Hiroki Takahashi（Sendai Medical Center）

★ 1031．Metal Artifact Reduction in Ultra High Resolution CT

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

★ 1032．The Feasibility of Low-dose CT in Coronary Artery Calcium Scanning: A Phantom Study

Tzu-Chi University of Science and Technology　Hao-Yuan Lu

1033. Evaluation of Ablation CT Protocol for the Intra-auricular Thrombus

Department of Radiogical Technology, Osaka Police Hospital　Takashi Nagamori

1034. Fundamental Study for Determination of Appropriate Dose in Respiratory-gated CT

Department of Proton Technology, Narita Memorial Proton Center　Yoshiyuki Takaishi

April 13 (Sat.)　N101

Imaging (MR) Basic

9：00～9：30　Chairman　Hiroto Kan（Nagoya City University Hospital）

1041. The Basic Study on Usefulness of Super Resolution Technique for MR Image

Department of Radiology, Osaka City University Hospital　Kazuki Shimada

1042. Verification of Performing Investigation of Quality for Clinical Images in MRI

Department of Radiology, Tokyo Women's Medical University Medical Center East　Katsuya Matsuzawa

1043. Evaluation of SNR in the Iterative Noise Reduction Method and Consideration of Scan Time.

Healthcare Business Unit, Hitachi, Ltd.　Ryuji Shirase

1044. A Simple Quality Control Method for Evaluating the Homogeneity of B0 and B1

Department of Radiological Sciences, Ibaraki Prefectural University of Health Sciences　Yoshiyuki Ishimori

Imaging Techniques and Research (MR) Head and Neck

9：40～10：10　Chairman　Norio Hayashi（Gunma Prefectural College of Health Sciences）

1051. Change of Reconstructed Signal for Image Position in Simultaneous Multi-Slice

Department of Radiology, Shimane University Hospital　Hiroya Asou

1052. 2D - FLAIR Using Compressed Sensing　Kumamoto University Hospital　Takumi Esaki

1053. Simple Method of Improving Suppression of Cerebrospinal Fluid Artifact in 3D FLAIR Imaging

Division of Radiology, Department of Clinical Support, Niigata University Medical and Dental Hospital　Hiroaki Saito

1054. Usefulness of Fat Suppressed Three-dimensional Gradient Echo Using Dixon Method for Preoperative Optic Nerve Imaging

Department of Radiology, Sapporo Shiroishi Memorial Hospital　Noriyuki Kimura

1055. Quantitative Evaluation of Swallowing Motion by MRI Apparatus and Image Analysis 1st Report Fractal Dimension Analysis

Kagoshima Medical Professional College　Kohei Hidaka

1056. The Effects of T1 Low Region of White Matter on Tissue Segmentation by SPM12.

Department of Radiology, Hokkaido Medical Center　Junpei Murata

Imaging Techniques and Research (MR) Head and Neck Vessels, Cerebral Blood Flow

10：20～10：50　Chairman　Hiroyuki Muranaka（Tsukuba International University）

1061. Head MRA Using PETRA Sequence : Improvment of Peripheral Vascular Visualization Capability by Saturation Pulse Position

Department of Radiology, Kenshinkai Tokyo Medical Clinic　Tomokazu Araki

1062. Study of Increasing SNR and Contrast of Black-Blood T1-Weighted Images in Carotid Artery

Department of Radiological Service, Tokyo Women's Medical University Yachiyo Medical Center　Yuhki Hamada

1063. Study of 3D Imaging of Fast Spin Echo Method Using Compression Sensing for Carotid Artery Plaque

Department of Radiation technology, Shimane Prefectural Central Hospital　Tetsuya Yamamoto

1064. Observation of Blood Flow in the Main Artery by Multiphase ASL　Wakakusa Daiichi Hospital　Kouki Morita

1065. Phantom Assessment of Factors Affecting Peripheral Artifactual Hyperintensity on 3D ASL CBF Images.

Department of Radiology, Kitasato University Hospital　Yoshihito Tanaka

Imaging Techniques and Research (MR) Abdomen

11：00～11：30　Chairman　Akiyoshi Yamamoto（Tobata Kyoritsu Hospital）

1071. Influence of Different b and TE Values on Image Quality in Abdominal Diffusion-weighted Images Using a Three-Tesla MR Scanner with a High Gradient Magnetic Field　Department of Radiology, Kyorin University Hospital　Keita Fukushima

1072．Study of Fat Fraction Measurement with DIXON Magnetic Resonance Imaging

Department of Radiology, Fujita Health University Hospital　Daiki Tabata

1073．High-contrast Visualization of Uterine Three-layer Structure by 3D Variable Flip Angle FSE MR Images: Comparison with Different Parameters

Department of Radiology, Japanese Red Cross Musashino Hospital　Hiroki Azuma

Nuclear Medicine (SPECT, Planar, PET) Image Quality and Evaluation

13：00～13：30　　Chairman　Noriyo Yokotsuka（Teikyo University）

1081．Evaluation of an Index for eZIS Analysis in ^{123}I-IMP a Cerebral Blood Flow SPECT

Department of Radiological Technology, Kawasaki Medical School Hospital　Toshinori Abe

1082．Evaluation of Calibrated SBR in a Short Data Acquisition Time

Department of Raradiology, Jikei University Katsushika Medical Center　Takashi Yanagise

1083．Impact of Difference in Activity Concentration and Size of Lesion on the Detectability with Channelized Hotelling Observer

Faculty of Medical Sciences, Kyushu University　Akihiko Takahashi

1084．Comparison of Radioactivity Ratio of Spleen and Myocardium Calculated from Static Data, and Coronary Flow Reserve.

Department of Radiology, Hokkaido Ohno Memorial Hospital　Akira Ando

1085．Factors Affecting Signal-to-Noise Ratio in Liver on FDG-PET　　Department of Radiological Technology, Koga Hospital 21　Makoto Kamino

Product Exhibition

April 13 (Sat.)　Marine Lobby

Product Exhibition Core Time

11：00～11：45,　14：00～15：00

1．Development of QC Tool for Geometry Accuracy in Radiotherapy　Fukuoka Tokushukai Medical Center　Shigeo Anai

2．The Effect of Slice Thickness and Matrix on 3D-MRI Image Display Using Virtual Reality

Department of Radiology, Cancer Institute Hospital　Kazuhiro Kawabata

【JSRT-JSMP Joint Session】

(A) JSRT-JSMP Joint Lecture

April 13 (Sat.) 11:00–11:50 (501)

Moderator: Osaka Univ. Takayuki Ishida

Knowledge- and Data-driven Models for Chest Radiologic Imaging and Beyond

Huazhong Univ. of Science and Technology Qiang Li

(B) JSRT-JSMP Joint Session

April 14 (Sun.) 9:40–11:50 (501)

In Order to Publish Your Article in RPT: Authors x Reviewers = Good Science

Moderator: Kumamoto Univ. Junji Shiraishi

Teikyo Univ. Shinji Kawamura

1-1. From the Standpoint of an Author (Diagnostic Imaging)

Hamamatsu Photonics Fumio Hashimoto

1-2. Comments as Author (MRI, Nuclear Medicine and Informatics)

Tohoku Univ. Hiroshi Watabe

1-3. Author's Viewpoints (Radiation Therapy Physics)

Osaka Univ. Hosp. Takashi Hashido

2-1. From the Standpoint of a Reviewer (Diagnostic Imaging)

Kanazawa Univ. Katsuhiro Ichikawa

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)

Osaka Univ. Iori Sumida

Overview

The Univ. of Chicago Kunio Doi

(C) Award Ceremony for Doi-Prize and Most Citation Award, and Award Lectures

April 14 (Sun.) 12:00–12:45 (501)

1）Basic concept of editorial policy in RPT

Moderator: Kumamoto Univ. Junji Shiraishi

The Univ. of Chicago Kunio Doi

2）Most Citation Award Ceremony

A）Diagnostic Imaging

Moderator: Teikyo Univ. Shigehiko Katsuragawa

RPT Vol.11, No.2

Tilted-wire Method for Measuring Resolution Properties of CT Images Under Extremely Low-contrast and High-noise Conditions

Tohoku Univ. Chiaki Tominaga

B）MRI, Nuclear Medicine and Informatics

Moderator: Kitasato Univ. Tomoyuki Hasegawa

RPT Vol.11, No.3

Computer-aided Diagnosis with Radiogenomics: Analysis of the Relationship between Genotype and Morphological Changes of the Brain Magnetic Resonance Images

Kumamoto Univ. Chiharu Kai

C) Radiation Therapy Physics

Moderator: Association for Nuclear Technology in Medicine Masahiro Endo

RPT Vol.11, No.2

Estimation of Linear Energy Transfer Distribution for Broadbeam Carbon-ion Radiotherapy at the National Institute of Radiological Sciences

NIRS-QST Nobuyuki Kanematsu

(D) JSMP-JSRT Joint Educational Lecture

April 13 (Sat.) 13:00–13:50 (501)

Moderator: Tokyo Metro. Univ. Kazumasa Inoue

Shine a Light on Cancer: Bioimaging and Nanomedicine

Harvard Medical School Hak Soo Choi

【JSMP Program】

(A) Morning Educational Lecture

(1) April 12 (Fri.) 8:00–8:55 (418 + 419)

Moderator: NIRS-QST Hideyuki Mizuno

The evolution of brachytherapy dose calculation algorithms

Keio Univ. Takashi Hanada

(2) April 13 (Sat.) 8:00–8:55 (418 + 419)

Moderator: Japanese Red Cross Wakayama Medical Center Yoshitomo Ishihara

Management of imaging dose in image-guided radiation therapy

Kumamoto Univ. Fujio Araki

(3) April 14 (Sun.) 8:00–8:55 (418 + 419)

Moderator: Kyushu Univ. Hidetaka Arimura

Basic of AI and its prospect

The Univ. of Electro-Communications Hayaru Shouno

(B) Lunch Time Lecture

(1) April 12 (Fri.) 12:00–12:50 (418 + 419)

Moderator: Tokyo Women's Medical Univ. Teiji Nishio

Research Ethics: What we need to know-and what we should do

Hokkaido Univ. Toru Yamamoto

(2) April 13 (Sat.) 12:00–12:50 (418 + 419)

Moderator: Osaka Univ. Iori Sumida

The past and future of patient-specific verification for IMRT

National Cancer Center Hosp. East Hidenobu Tachibana

(3) April 14 (Sun.) 12:00–12:50 (418 + 419)

Moderator: Juntendo Univ. Chie Kurokawa

Development of on-line adaptive radiotherapy

National Cancer Center Hosp. Hiroyuki Okamoto

(C) JSMP-JSMBE Joint Session

April 12 (Fri.) 15:10–16:00 (419)

Moderator: Kindai Univ. Yuichi Kimura

NIRS-QST Shigekazu Fukuda

Applications of artificial intelligence/machine learning for computer-assisted diagnosis systems

Kindai Univ. Mitsutaka Nemoto

(D) Report from the QA/QC Committee

April 12 (Fri.) 16:10–17:10 (419)

Moderator: Tokyo Metropolitan Cancer and Infectious Disease Center Komagome Hosp. Satoshi Kito

Multi-institutional survey for technologies in radiotherapy

Osaka Univ. Hosp. Yuichi Akino

(E) JSMP Symposium

April 13 (Sat.) 15:10–17:10 (418 + 419)

Medical Physics in Targeted Radioisotope Therapy

Moderator: NIRS-QST Miwako Takahashi

NIRS-QST Taiga Yamaya

1. Introduction (1): TRT - clinical application

NIRS-QST Miwako Takahashi

2. Current trends and issues in targeted radionuclide therapy (TRT) research and development

NIRS-QST Atsushi Tsuji

3. Targeted Radionuclide Therapy using alpha-emitters

Fukushima Medical Univ. Kohshin Washiyama

4. Practical challenges of therapeutic radionuclides production for the TRT studies

NIRS-QST Kotaro Nagatsu

5. Introduction (2): TRT imaging

NIRS-QST Taiga Yamaya

6. Advanced Compton Imaging Technologies

Ludwig-Maximilians-Univ., Munich Peter Thirolf

(F) JSMP Seminar to Acquire Grants-in-Aid < KAKENHI >

April 13 (Sat.) 15:30–17:00 (416 + 417)

How to get Grants-in-Aid for Scientific Research

Moderator: Kyushu Univ. Hidetaka Arimura

Teikyo Univ. Jun'ichi Kotoku

1. Outline of Grants-in-Aid for Scientific Research (KAKENHI)

Scientific Research Aid Division, Research Promotion Bureau, Ministry of Education, Culture, Sports, Science and Technology (MEXT) Takashi Tsujiyama

2. How should we prepare a research proposal document of a Grant-in-Aid for Scientific Research Grant?

Tokyo Women's Medical Univ. Teiji Nishio

3. Important things for research grant acquisition from my viewpoint

Tokushima Univ. Akihiro Haga

4. How to get KAKEN for Ph.D. students, young researchers and non-academic hospital stuffs

Japanese Red Cross Wakayama Medical Center Yoshitomo Ishihara

5. Medical physicists will contribute to clinical research

Kaizuka City Hosp. Yuki Otani

6. The Survey Results for the Acquisition of Grants-in-Aid

Osaka Univ. Masahiko Koizumi

(G) JSMP Special Lecture

April 14 (Sun.) 11:00–11:50 (418 + 419)

Moderator: NIRS-QST Keiichi Akahane

Making imaging safer: Where we are and vision for future

JSMP Board of Directors

April 11 (Thu.) 12:00–17:00 (421)

Information exchange meeting on medical physics education course

April 12 (Fri.) 17:10–18:00 (418)

JSMP General Meeting of Members

April 13 (Sat.) 17:30–19:00 (419)

★: English Presentation

【General Session】

April 11 (Thu.)　416＋417

1. Image Informatics/Processing/Analysis J1 Image reconstruction
13:00–13:50　Moderator: Atsushi Myojoyama

0-001 Image quality improvement of cone beam CT image reconstruction during treatment
Kyorin Univ.　Kosuke Mano

0-002 An error evaluation of iterative image reconstruction method using chi-square (χ^2) statistic minimization for Poisson-distributed projection data
Tokyo Metro. Univ.　Hiroyuki Shinohara

0-003 Incident photon number and reconstructed linear attenuation coefficients in iterative CT image reconstruction
Tokyo Metro. Univ.　Hiroyuki Shinohara

0-004 A study of real-time 3D movie reconstruction for intensity modulated radiation therapy using the MRI
The Univ. of Tokyo　Ryota Kitsunai

0-005 Development of high-resolution X-ray camera for the refraction-contrast computed tomography
Nagoya Univ.　Naoki Sunaguchi

2. Image Informatics/Processing/Analysis J2 Applied mathematics/Deep learning
13:50–14:50　Moderator: Hidemi Kamezawa

0-006 Differentiation of brain tumors by characterization of non-contrast-enhanced MR images using persistent homology
Teikyo Univ.　Asuka Oyama

0-007 Deep learning based auto segmentation in male pelvic CT images using texture analysis
Kitasato Univ.　Masato Sekiguchi

0-008 A Novel Method of Displaying Dose Distribution in Radiotherapy
Medipolis Ibusuki　Yasumasa Kakinohana

0-009 Image quality improvement of DRR by super-resolution processing
Univ. of Tsukuba　Tsubasa Abe

0-010 Real-time tumor-contouring by patient-specific deep learning: Evaluation using a respiratory moving phantom
Univ. of Tsukuba　Tsubasa Abe

0-011 Exploratory study of important radiomics features for a two-year survival classification model of non-small cell lung cancer patients
Juntendo Univ. Urayasu Hosp.　Tatsuya Inoue

3. Radiometry/Spectrometry/Dosimetry/Protection J1 Charactarics of detector
15:00–16:00　Moderator: Yusuke Koba

0-012 Estimation of amount of luminescence and Cerenkov lights in water irradiated by various types of radiations
Nagoya Univ.　Yoshiyuki Hirano

0-013 Performance evaluation of user's electrometer by using electrometer equipped with

direct-current generator

Fukui Univ. Hosp. Naoki Kinoshita

0-014 Study on the effective point of the cylindrical ionization chamber in the measurement of carbon absorption dose 2

Chiba Univ. Menamu Sano

0-015 The replacement correction factor for cylindrical cavities in with flattening filter (WFF) and flattening filter free (FFF) beams.

Komazawa Univ. Arata Sudo

0-016 Beam quality conversion factor of Exradin ionization chambers for a CyberKnife photon beam

NMIJ Morihito Shimizu

0-017 Determination of a beam quality conversion factor of microDiamond detectors in a CyberKnife photon beam by using a compact calorimeter

Komazawa Univ. Takuya Saitou

JSMP

4. Radiometry/Spectrometry/Dosimetry/Protection J2 Chemical dosimeter/ Radiation protection 16:00–16:50 Moderator: Shunsuke Yonai

0-018 Response characteristic of an alanine dosimeter for high-energy photon beams

AIST Hidetoshi Yamaguchi

0-020 Development of omnidirectional Compton camera which visualizes low energy gamma ray from Tc-99m with high sensitivity

Ibaraki Univ. Naofumi Narita

0-021 Evaluation of the occupational dose in CT-guided interventions using MDCT-fluoroscopy

Tohoku Univ. Yohei Inaba

0-022 Dosimetry of accidental exposure using fingernails

RIRBM Hiroshi Yasuda

April 11 (Thu.) 418

5. Nuclear Medicine E1 Nuclear medicine 1 13:00–13:50 Moderator: Hiroshi Watabe

★ 0-023 Performance characterization of a new whole-body PET prototype with four-layer DOI detectors

NIRS-QST Go Akamatsu

★ 0-024 Energy characterization of the 4-Layer DOI GAGG scatterer detector for whole gamma imaging

NIRS-QST Sodai Takyu

★ 0-025 Whole Gamma Imaging: demonstration of the β^{+}-γ coincidence

NIRS-QST Hideaki Tashima

★ 0-026 Development of a TOF helmet-type PET prototype having a timing resolution of 250 ps and its image reconstruction method

NIRS-QST Hideaki Tashima

★ 0-027 Initial results of trapezoid geometry small animal DOI PET detector using SSLE

NIRS-QST Han Gyu Kang

★: English Presentation

6. Nuclear Medicine E2 Nuclear medicine 2 13:50–14:30 Moderator: Go Akamatsu

★ 0-028 Advantages of spherical ROIs for calibrating and evaluating PET scanners using traceable point-like sources
Kitasato Univ. Mio Okamoto

★ 0-029 Three Dimensional Compton Imaging using C-shaped arm
GHMC Makoto Sakai

★ 0-030 Feasibility of 3D printed patient specific thyroid phantom for radiation dosimetry
Pulau Pinang Rafidah Binti Zainon

7. Radiation Therapy (photon/electron) E1 IGRT 14:40–15:40 Moderator: Yuichi Akino

★ 0-032 Optical tracking system with Kinect devices in radiation therapy
Hosei Univ. Kounoshin Abe

★ 0-033 The effect of the room brightness on the positioning accuracy with 3D surface-imaging system
Saiseikai Kumamoto Hosp. Yuki Omura

★ 0-034 Uncertainties of Soft-Tissue-based Patient Registration by Multiple Observers Using Cone-beam CT for Prostate Cancer Radiation Therapy
Kyushu Univ. Hosp. Taka-aki Hirose

★ 0-035 Three-dimensional tumor position estimation using image features on orthogonal kV X-ray projections: comparison of two feature extraction algorithms
Kyoto Univ. Shintaro Anbo

★ 0-036 Effect of MV scatter on kV projections during VMAT delivery to a pelvic phantom
Kyoto Univ. Kitamura Ayaka

★ 0-037 Quantification of the irradiated volume dependency of scattered X-rays from megavoltage photon beam using a kilovoltage X-ray imaging subsystem
Kyoto Univ. Hosp. Hiraku Iramina

8. Radiation Therapy (photon/electron) E2 QAQC/Others 15:40–16:40 Moderator: Noriyuki Kadoya

★ 0-038 Pseudo-CBCT image prediction of head and neck cancer patient using principal component vector fields of early treatment fractions
CIH of JFCR Masahiro Nakano

★ 0-039 Novel electron density based-CT image from single- and dual-energy scanning for radiation therapy treatment planning
Nagoya Univ. Takeshi Kamomae

★ 0-040 Evaluation of in-house QA software tool for an Elekta linac using a high sampling rate log file
SKG Hosp. Shiro Nishiyama

★ 0-041 Performance evaluation of 4D-CT features of Philips Brilliance64 CT scanner
Concord International Hosp. Mohamad Fahdillah Rhani

★ 0-043 Designing a 3D Printed Radiotherapy Phantom using 3DSlicer Software
Univ. of the Philippines John Paul Ortiz Bustillo

9. Radiation Therapy (photon/electron) E3 Dose verification/Patient specific QA

16:40–17:40 Moderator: Satoshi Kito

★ 0-044 Clarkson's method with effective depth correction for irregular surfaces
Juntendo Univ. Satoru Sugimoto

★ 0-045 Evaluation of predicting transit dose accuracy using CT images to verify accuracy of gating radiation therapy
Juntendo Univ. Jun Takatsu

★ 0-046 Independent calculation-based verification of VMAT-SBRT plans for lung cancer
Kyoto Hosp. Tomohiro Ono

★ 0-047 Effects on Surface Dose from Air Gaps between Bolus and Skin Surface in X-ray Beam Radiation Therapy
Sapporo City General Hosp. Taichi Okino

★ 0-049 Dosimetric effect of intrafractional organ deformation on volumetric modulated arc therapy planning techniques for prostate cancer
Osaka Univ. Maria Varnava

JSMP

April 11 (Thu.) 419

10. Radiation Therapy (heavy particle) J1 Commissioning

13:00–14:00 Moderator: Mutsumi Tashiro

0-050 Physical dose modelling and calculation results for carbon beam scanning in Osaka heavy ion therapy center
Hitachi, Ltd. Yusuke Fujii

0-051 Clinical commissioning for treatment room 1 (FX1) at Osaka Heavy Ion Therapy Center
HIMAK Toshiro Tsubouchi

0-052 Clinical commissioning for the start of respiratory gated carbon ion radiotherapy at Osaka Heavy Ion Therapy Center
Osaka Heavy Ion Therapy Center Noriaki Hamatani

0-053 Commissioning of a treatment planning system, RayStation, for proton pencil beam scanning at Tsuyama Chuo Hospital
Tsuyama Chuo Hosp. Yuki Tominaga

0-054 Experimental verification of fluence scaling factors for clinical proton beams
Tsuyama Chuo Hosp. Masashi Yamanaka

0-055 Commissioning of a compact pencil-beam scanning proton therapy system: ProteusONE
Narita Memorial Proton Center Masashi Tomida

11. Radiation Therapy (heavy particle) J2 Beam QA

14:00–14:50 Moderator: Yohsuke Kusano

0-056 Stabilization of beam axis extracted from synchrotron
Gunma Univ Heavy Ion Medical Center Ryoto Tomo

0-057 Beam intensity dependence of beam orbit and efficiency in a heavy ion medical accelerator
GHMC Hikaru Souda

0-058 Improvement of efficiency for daily QA at SAGA HIMAT Foundation
SAGA HIMAT Takeshi Himukai

0-059 A correction method of proton fluence based on compensator thickness

NPTC Chihiro Omachi

0-060 Study on proton CT imaging using clinical proton beam
Hokkaido Univ. Hosp. Sodai Tanaka

12. Radiation Therapy (brachytherapy/others) J1 Brachytherapy/Others
15:00–15:50 Moderator: Yu Kumazaki

0-061 Imaging of Ir-192 source using a high energy gamma camera for high-dose-rate brachytherapy
Nagoya Univ. Seiichi Yamamoto

0-062 Potential prognostic value of the Radiomics features based on CT images of prostate cancer patients treated with permanent interstitial brachytherapy.
Kitasato Univ. Takeo Katakura

0-063 Impact of differences between quantitative analysis software programs for picket fence test with Elekta linear accelerator
Jichi Med. Univ. Saitama Yuta Takahashi

0-065 Construction of safety management system in radiation therapy
Univ. of the Ryukyus Masashi Kinjyo

13. Radiation Therapy (photon/electron) J1 Measurement and dosimetry 1
15:50–16:50 Moderator: Iori Sumida

0-066 Invesitigation of conversion absorbed dose to water reference dosimetry using spherical water equivalent Virtual phantom at TomoTherapy
North Fukushima Medical Center Koji Ishita

0-067 New approach to calibrate the output accurately without measurement for the recent digital controlled linac.
ASH Yuichiro Narita

0-068 Influence of atmospheric pressure on the output of a linac equipped with a sealed monitor chamber
HCHP Masafumi Takagi

0-069 Small field photon beam dosimetry of TrueBeam linear accelerators: a multi-institutional analysis
Osaka Univ. Yuichi Akino

0-070 Comparison of calculation results of TMRs with or without k_s factor for flattening filter free beams
Komazawa Univ. Shota Watanabe

0-071 Improved dose estimation using vitamin B2 water for optical imaging of X-ray from medical linear accelerators (LINAC)
Nagoya Univ. Chihiro Toyonaga

14. Radiation Therapy (photon/electron) J2 Patient specific QA
16:50–17:40 Moderator: Koji Sasaki

0-072 Feasibility of detecting the cause of errors in IMRT patient specific QA using radiomics features and machine learning
Niigata Univ. Madoka Sakai

0-073 Fundamental study on measurement error criterion using dose deviation map in Gradient method

Hokkaido Univ. Isshi Nara

0-074 Utility of Three-Dimensional Mean Gamma Index in Volumetric Modulated Arc Therapy Patient Specific QA

OICI Reimi Taniguchi

0-075 Delivery quality assurance method using plastic scintillator and CCD camera in helical tomotherapy

Kitasato Univ. Yuichi Tanaka

0-076 Comparison of dose distribution verification results using two different three-dimensional detectors

Fujita Health Univ. Hosp. Yasunori Saito

JSMP

April 12 (Fri.) 418

15. Radiation Therapy (brachytherapy) E1 Brachytherapy/Others

9:10–9:50 Moderator: Chie Kurokawa

★ 0-077 Verification of Treatment Time in Interstitial Brachytherapy using Paris System

Gono Univ. Sujan Mahamud

★ 0-079 Virtual phantom study to evaluate inverse planning optimization of high dose rate brachytherapy for endometrial cancer

Hokkaido Univ. of Science Masami Harada

★ 0-080 Virtual phantom study to compare prescription point A with HR-CTV D90 using inverse planning optimization in HDR brachytherapy for uterine cervical cancer

Hokkaido Univ. of Science Tomomi Sogo

16. Image Informatics/Processing/Analysis E1 Deep learning

10:00–10:50 Moderator: Taiki Magome

★ 0-081 A clinically applicable deep learning model for segmentation in the prostate region

Kyoto Univ. Mitsuhiro Nakamura

★ 0-082 A Convolutional Neural Network based approach for generating PET/CT image series in shorter scan time: A feasibility study.

NIRS-QST Ritu Bhusal Chhatkuli

★ 0-083 Improved scheme of an automated detection of gastric cancer using deep learning

Fujita Health Univ. Kazuma Enomoto

★ 0-084 Automated approach for estimation of sizes of unruptured intracranial aneurysms in MRA images by using localized sparse non-negative matrix factorization

Kyushu Univ. Zhuangfei Ma

★ 0-085 Relationship of MoCA assessment with hypometabolic region of ^{18}F-FDG PET/CT in Alzheimer disease patients

Univ. Sains Malaysia Siti Aishah Abdul Aziz

17. Image Informatics/Processing/Analysis E2 Radiomics

11:00–11:50 Moderator: Jun'ichi Kotoku

★ 0-086 Prognostic prediction based on diagnostic CT image features before SBRT for lung cancer patients: a retrospective single-institutional study

Kyoto Univ. Ryo Kakino

★ O-087 Radiomics-based malignancy estimation of parotid gland tumor in preoperative magnetic resonance images
Teikyo Univ. Hidemi Kamezawa

★ O-088 Prognostic shape-based features on CT images for non-small-cell lung cancer patients
Kyushu Univ. Sachine Nakayama

★ O-089 Exploring potential of radiomic features in identification of EGFR-mutant in lung cancer patients
Kyushu Univ. Kenta Ninomiya

★ O-090 Selection of wavelet basis functions in radiomic prediction for prognoses in head and neck cancer patients
Kyushu Univ. Aki Yoshihisa

18. Radiation Therapy (heavy particle) E1 Simulation/Others
15:10–16:10 Moderator: Taku Inaniwa

★ O-091 Development of new bolus for application in boron neutron capture therapy
Kyoto Univ. Akinori Sasaki

★ O-092 Clinical commissioning for proton therapy with line scanning method at Kouseikai Proton Therapy Center
Kouseikai Proton Therapy Center Yuya Azuma

★ O-093 Biological model and calculation results for carbon beam scanning in Osaka heavy ion therapy center
Hitachi, Ltd. Shinichiro Fujitaka

★ O-094 The Monte Carlo simulation for lateral radiation quality of carbon ion beam with the empirical model
NIRS-QST Taku Nakaji

★ O-095 Development of a Monte Carlo dosimetry system for retrospective study of heavy-ion therapy
JAEA Takuya Furuta

★ O-096 Development of a CT-number parameterization method and validation for Monte Carlo simulation of carbon-ion radiotherapy: A preliminary study
NIRS-QST Weishan Chang

19. Radiation Therapy (heavy particle) E2 Range verification
16:10–17:10 Moderator: Naruhiro Matsufuji

★ O-097 Simulation studies of a proton range-verification method using ionoacoustic wave generated from spherical gold fiducials
Hokkaido Univ. Taisuke Takayanagi

★ O-098 Influence of dose and positional errors in proton therapy
FHU Yuta Omi

★ O-099 Development of a system to support intra-fractional clinical decision for real-time image-gated proton therapy - (1) Automatic actual-dose calculation system
Hokkaido Univ. Shusuke Hirayama

★ O-100 LET dependency of fluorescent screen for measuring low-dose envelope in scanned carbon-ion therapy
Nagoya Univ. Katsunori Yogo

★ O-101 Optical imaging for the range estimation of O-15 beam
NIRS-QST Han Gyu Kang

★ 0-102 Feasibility of Compton-PET to image C-10 distribution for range verification of carbon ion therapy

NIRS-QST Akram Mohammadi

April 12 (Fri.) 419

20. Radiometry/Spectrometry/Dosimetry/Protection E1 Measurement and dosimetry

9:10–9:50 Moderator: Hiroshi Yasuda

★ 0-103 Fundamental study on a condenser dosimeter using a skin-insulated USB-A-mini-substrate with a silicon X-ray diode in radiation therapy

Iwate Medical Univ. Satoshi Yamaguchi

★ 0-104 Response of a radiophotoluminescent glass dosimeter depending on transverse magnetic fields

Kumamoto Univ. Ohno Takeshi

★ 0-105 Fundamental study of the neutron ambient dose-equivalent measurement using two CsI self-activation sensors

Kyushu Univ. Yumika Hanada

★ 0-106 Estimation of radiation dose to the eye lenses from head computed tomography: with and without bismuth shield

Khon Kaen Univ. Petcharakorn Hanpanich

April 13 (Sat.) 416＋417

21. Education/Others J1 Material/Simulation

14:00–14:20 Moderator: Akihiro Nohtomi

0-107 Fundamental approach of magnetic resonance imaging using radiosensitizer nanoparticle (TiO2) as theranosticdrug

Kobe Univ. Hosp. Hiroaki Akasaka

0-108 Construction of Numerical Simulation Environment for CT Noise Characteristics

Kyorin Univ. Takaho Hirano

22. Education/Others E1 New projects

14:20–14:40 Moderator: Keiichi Akahane

★ 0-109 E-encyclopaedia and e-dictionary of medical physics - method, results and new update project

IOMP Slavik Tabakov

★ 0-110 The Leading Role of the International Union of Physical and Engineering Sciences in Medicine (IUPESM) in Promoting Workforce and Technology Dedicated to Human Health

IUPESM Magdalena Stoeva

★: English Presentation

April 13 (Sat.)　418

23. Radiation Therapy (photon/electron) E4 Algorithm/Others
9:10–10:00　Moderator: Mitsuhiro Nakamura

★ 0-111 Development of a raster scan IMRT using robotic radiosurgery system: Part II, optimization of fluence map
Miyakojima Clinic　Hiroya Shiomi

★ 0-112 Compare the difference between dose results calculated with Analytical AAA, dose calculated with PBC algorithm in Eclipse software, and measurement dose
Hanoi Oncology Hosp.　Soai Dang Quoc

★ 0-113 Research, analyze the dose results calculated with AAA algorithm in eclipse software of new treatment planning system
Hanoi Oncology Hosp.　Soai Dang Quoc

★ 0-114 Pediatric craniospinal irradiation with general anesthesia at hue central hospital
husc. hueuni, Hue　Le Trong Hung

★ 0-115 Short-course preoperative radiation therapy in rectal cancer
HUMP　Pham Nguyen Tuong

24. Radiation Therapy (photon/electron) E5 Treatment planning 1
10:10–11:00　Moderator: Takashi Hanada

★ 0-116 Mechanical performance of a commercial knowledge-based VMAT planning for oropharyngeal cancer
Kindai Univ.　Mikoto Tamura

★ 0-117 Parameter estimation of NTCP model for late rectal bleeding: observations from prostate cancer patients with IMRT in clinical practice
Kitasato Univ.　Genki Ishii

★ 0-118 4D-CBCT ventilation image-based VMAT plans are comparable to 4D-CT ventilation image-based plans : evaluating 4D-CBCT ventilation images
Tohoku Univ.　Hikaru Nemoto

★ 0-119 A Hybrid IMRT Technique for Treatment of Breast Cancer: A Dosimetric Study
GU, Savar　Mohammad Mokhlesur Rahman

★ 0-120 Research, analyze Field in Field planning technique for whole brain radiotherapy
Hanoi Oncology Hosp.　Soai Dang Quoc

25. Radiation Therapy (photon/electron) E6 Machine learning
11:10–11:50　Moderator: Masayori Ishikawa

★ 0-121 Dose calculation using a synthetic CT generated from multi-contrast MR images with deep convolutional neural network
Osaka Univ.　Yuhei Koike

★ 0-122 Homology as novel radiomic features for prediction of the prognosis of lung cancer based on CT-based radiomics
Tohoku Univ.　Shohei Tanaka

★ 0-123 Development of multi-atlas based intra-prostatic urethra auto-segmentation using machine learning for prostate cancer radiotherapy
Tohoku Univ.　Hisamichi Takagi

26. Diagnostic Imaging (X-ray) J1 Diagnostic Imaging (X-ray) 1
13:10–13:50 Moderator: Akihiro Haga

0-125 Determination of point spread function accompanied with verification in iterative reconstruction computed tomography
Niigata Univ. Kenichi Sakai

0-126 Evaluation of image quality in forward projected model-based iterative reconstruction at head CT using a cerebral stroke phantom model
Kitasato Univ. Hidetake Hara

0-127 High-speed dual-energy X-ray photon counter using a YAP(Ce)-photomultiplier detector and its application to low-dose computed tomography
Iwate Medical Univ. Yasuyuki Oda

0-128 Computational simulation of metal artifact generation in CT image: A pilot phantom study
Niigata Univ. Daisuke Mugishima

27. Diagnostic Imaging (X-ray) E1 Diagnostic Imaging (X-ray) 2
14:00–14:30 Moderator: Kiyomitsu Shinsho

★ 0-129 Intense nickel-K-photon irradiation from weakly-ionized linear plasma X-ray source using a zinc reflector
Iwate Med. Univ. Eiichi Sato

★ 0-130 Dual-energy X-ray computed tomography using a cadmium-telluride array detector
Iwate Med. Univ. Eiichi Sato

★ 0-131 Relation between material decomposition accuracy and the number of X-ray photons in photon-counting CT
Hosei Univ. Kazumi Murata

April 13 (Sat.) 419

28. Magnetic Resonance/Diagnostic Imaging(others) E1 Diagnostic imaging (Others)
9:10–10:00 Moderator: Takeyuki Hashimoto

★ 0-132 Monte-Carlo simulation-based estimation of intravoxel incoherent motion (IVIM) parameters in diffusion-weighted MRI
Kyushu Univ. Alamgir Hossain

★ 0-135 Noise reduction in X-ray image using sparse regularization: A feasibility study
The Univ. of Tokyo Hosp. Takahiro Iwasaki

★ 0-136 Evaluation of Re-producibility of computed Tomography-based Lung Ventilation Imaging Using DIR
Fujieda City Hosp. Yoshihiro Kawai

29. Magnetic Resonance/Diagnostic Imaging(others) J1 Magnetic resonance and others
13:10–14:00 Moderator: Seiji Kumazawa

0-137 Evaluation of muscle activities difference between dominant and non-dominant arms using MRI
Hokkaido Univ. Ayumi Kido

0-138 Oxygen molecules decrease relaxation times of magnetic resonance signal conspicuously

in cellular mimetic viscous solution

Hokkaido Univ. Risa Kusumoto

0-139 Differentiation of high-grade glioma and brain metastases by using texture analysis on non-enhanced MR images

Teikyo Univ. Yusuke Saikawa

0-140 Classification of Optical Coherence tomography images by Capsule Network

Teikyo Univ. Tsuji Takumsa

0-141 850-nm-peak high-spatial-resolution near-infrared-ray computed tomography in the living-body window

Iwate Medical. Univ. Hosp. Sato Yuichi

30. Nuclear Medicine J1 Nuclear medicine 3

14:10–14:50 Moderator: Hideaki Tashima

0-142 Data analysis tool for handling spherical ROI data for calibration and evaluation of PET scanners using traceable point-like sources

Kitasato Univ. Kentaro Takahashi

0-143 The accuracy of delivery dose in nuclear medicine therapy

Toho Univ. Sakura MC Teruo Ito

0-144 Evaluation of improved head amp readout circuit in Electron-Tracking Compton Camera

Tokai Univ. Shingo Uematsu

0-145 Comparison of noise equivalent count rates (NECRs) for the PET systems with different ring diameter

Nagoya Univ. Kouhei Nakanishi

April 14 (Sun.) 418

31. Radiation Therapy (photon/electron) J3 Treatment planning 2

9:00–10:00 Moderator: Toru Kawachi

0-146 Advantage of single planning for simultaneous irradiation of multiple targets over multiple planning for each target in robotic radiosurgery system

Nagoya Univ. Hosp. Motoki Kumagai

0-147 Sectional optimization of collimator angles in VMAT for multiple brain metastases

Kumamoto Univ. Ryota Nanatsue

0-148 Evaluation of metal artifact reduction by dual-energy CT using the virtual monochromatic spectral imaging

Niigata Univ. Masataka Ueda

0-149 Evaluation of the dosimetric robustness for 4DCT based internal margin against respiratory motion variations of lung cancer

JFCR Daimu Fujimoto

0-150 Mechanical performance of VMAT for prostate cancer with three model of Rapid Plan

Osaka Univ. Haruhi Tsuru

0-151 Evaluation of Finite-size pencil beam and Monte Carlo dose calculation algorithms for tumor-tracking intensity modulated radiation therapy

Nagoya Univ. Kohei Kawata

32. Radiation Therapy (photon/electron) J4 IGRT/Others

10:00–11:00 Moderator: Yukio Fujita

0-152 Development of patient motion monitoring system under irradiation using face detection and optical flow algorithm

Hokkaido Univ. of Science Ryo Onchi

0-153 The relationship between internal and external marker positions during VMAT under end-exhalation breath-hold for pancreatic cancer

Kyoto Univ. Makoto Sasaki

0-154 Cone-beam CT image quality improvement with Cycle-Consistency Generative Adversarial Network (CycleGAN)

The Univ. of Tokyo Hosp. Satoshi Kida

0-155 Feasibility study of constructing a model for predicting the daily variation of the risk of rectal toxicity in prostate IMRT

Niigata Univ. Haruka Koarai

0-157 The simulation on electron beam focusing output from linear accelerator

Tokyo Metro. Univ. Ryo Imai

33. Radiation Therapy (photon/electron) J5 Measurement and dosimetry 2

13:00–14:00 Moderator: Naoki Hayashi

0-158 Impact of transverse magnetic fields on dose response of a nanoDot OSLD

Kumamoto Univ. Shotaro Ito

0-159 Angular dependency of visible light imaging of water by radiations using a photon propagation simulation

Nagoya Univ. Yoshiyuki Hirano

0-160 Fundamental study on development of 2D array dosimeter using capacitance change according to radiation dose

The Univ. of Hokkaido Yuma Kuga

0-161 Estimation of the three-dimensional (3D) dose distribution of electron beams from medical linear accelerator (LINAC) using plastic scintillator plate

Nagoya Univ. Ryo Horita

0-162 The dosimetric commissioning results about the TrueBeam using RBD: a comparison of between the Eclipse and the RayStation

Kagoshima Univ. Hosp. Masahiko Toyota

0-163 Theoretical study on human-phantom thermoluminescence dosimeter in photon radiation therapy

Tokyo Metro. Univ. Shin Yanagisawa

34. Radiation Therapy (photon/electron) J6 MRI-Linac

14:00–14:50 Moderator: Hiroyuki Okamoto

0-164 Evaluation of intrafractional prostate motion in stereotactic body radiotherapy with magnetic resonance image guided radiotherapy system

NCCH Junichi Kuwahara

0-165 Assessments of dosimetric effects by latency of beam control in MRI guided-radiotherapy system

Tokyo Metro. Univ. Hiroki Nakayama

0-166 Preliminary study of polymer gel dosimeter for QA in MRI-guided radiotherapy system

Tokyo Metro. Univ. Mihiro Takemori

0-167 Monte Carlo study of small-field dosimetry for an Elekta MR-linac system
Kumamoto Univ. Masayuki Yano

0-168 Impact of inline magnetic fields on dose distributions for VMAT in lung tumor
Kumamoto Univ. Takahiro Kubota

April 14 (Sun.) 419

35. Radiation Therapy (heavy particle) J3 Measurement and Dosimetry
13:00–13:50 Moderator: Toshiyuki Toshito

0-169 Comparison between luminescence and dose in water during uniform-field irradiation by spot scanning proton beam
Nagoya Univ. Masataka Komori

0-170 Measurements of the propagation difference between Cherenkov-light and luminescence of water during carbon-ion beam irradiation
Nagoya Univ. Yohei Kitao

0-171 Imaging of fragment particles in water by nuclear spallation during carbon-ion irradiation
Nagoya Univ. Takuya Yabe

0-172 Development of a YAP camera for real-time imaging of secondary electron bremsstrahlung X-ray emitted during carbon-ion irradiation
Nagoya Univ. Seiichi Yamamoto

0-173 A Study of dose distribution measurement of carbon beam using scintillating glass GEM (3)
NIRS-QST Yusuke Koba

36. Radiation Therapy (heavy particle) J4 Treatment planning/Others
13:50–14:40 Moderator: Yoshinori Sakurai

0-174 Comparison of treatment plans using IMPT for head and neck region with or without energy absorbers and collimators
NPTC Eiki Nikawa

0-175 Upgraded analyses for the effect of organ motion on proton prostate treatment using full sets of daily CT images
Fukui PTC Yoshikazu Maeda

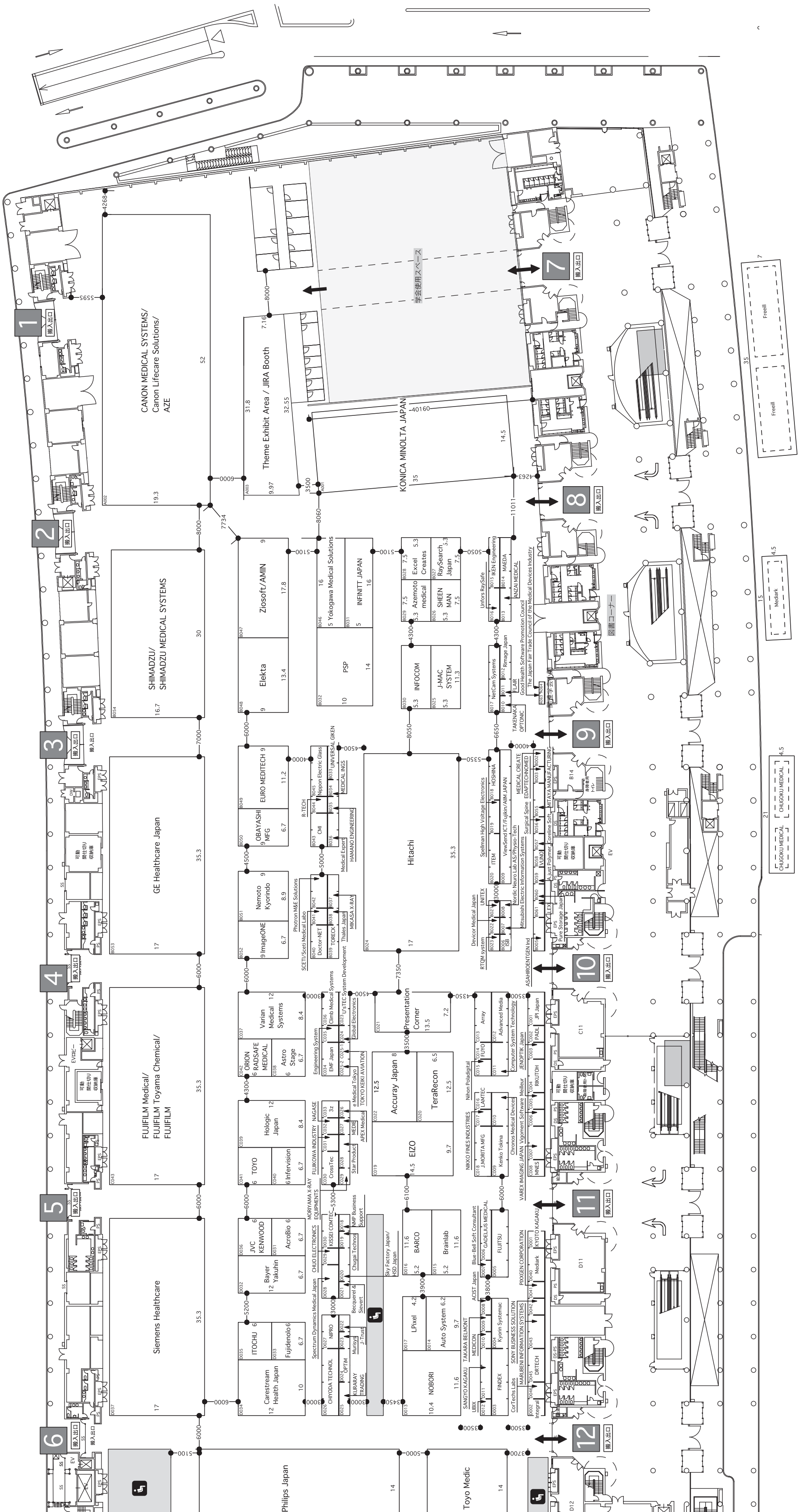
0-176 Development of the Monte Carlo based treatment planning system by combination with the tetrahedral based human modeling method
Univ. of Tsukuba Hiroaki Kumada

0-177 Biological and physical evaluation of accelerator-based BNCT system installed in NCC
NCCRI Shoji Imamichi

0-178 Monte Carlo study of out-of-field exposure in carbon-ion radiotherapy with a passive beam: Organ doses in pediatric brain tumor treatment.
NIRS-QST Shinnosuke Matsumoto

Names of participating companies

3z Corporation
Accuray Japan K.K.
ACIST Japan, Inc.
AcroBio Corporation
Advanced Media, Inc.
A. just Polymer Co., Ltd
ANZAI MEDICAL CO., LTD.
APEX Medical, Inc.
Array Corporation
ASAHIROENTGEN Ind. Co., Ltd.
AstroStage Inc.
Auto System Co., Ltd. Medical Divisoin
Azemoto medical Inc.
BARCO Co., Ltd.
Bayer Yakuhin, Ltd.
Becquerel & Sievert Co Ltd
Blue・Bell Soft Consultant Corporation
Brainlab K.K.
CANON MEDICAL SYSTEMS CORPORATION/
Canon Lifecare Solutions Inc./
AZE, Ltd.
Carestream Health Japan Co., Ltd.
CHIYODA TECHNOL CORPORATION
Chronos Medical Devices, Inc.
Chugai Technos Corporation
CHUGOKU MEDICAL Co., Ltd
CHUO ELECTRONICS CO., LTD.
Climb Medical Systems, Inc.
CMI, Inc.
Computer System Technology Co., Ltd.
Coreline Soft, Co., Ltd.
CorTechs Labs
CrossTec Inc.
Devicor Medical Japan K.K.
Doctor-NET INC.
DRTECH Corporation
EDAPTECHNOMED Co., Ltd.
EIZO Corporation
Elekta K.K.
EMF Japan Co., Ltd.
Engineering System Co., Ltd
EURO MEDITECH CO., LTD.
Excel Creates Inc.
FINDEX Inc.
FLAIR Co., LTD.
Freeill Co., Ltd
Fujidenolo CO. LTD.
FUJIFILM Medical Co., Ltd./
FUJIFILM Toyama Chemical Co., Ltd./
FUJIFILM Corporation.
FUJIKOWA INDUSTRY CO,. LTD.
FUJITSU LIMITED
FUYO CORPORATION
GADELIUS MEDICAL K.K.
GE Healthcare Japan Corporation
Global Electronics Corporation
Good Health Software Promotion Council
Good Health Software Promotion Council
HAMANO ENGINEERING CO., LTD.
Hitachi, Ltd.
Hologic Japan, Inc
HOSHINA CO., LTD
IKEN Engineering Co., Ltd.
ImageONE Co., Ltd.
Infervision, Inc.
INFINITT JAPAN Co., Ltd.
INFOCOM CORPORATION
Integral Corporation
ISB CORPORATION
ITEM Corporation
ITOCHU Corporation
J. MORITA MFG. CORP.
J・Trust Co., Ltd
JENOPTIK Japan Co., Ltd.
J-MAC SYSTEM, INC.
JPI Japan Co., Ltd.
JVC KENWOOD Corporation
K.K. LAMTEC
Kenko Tokina Co., Ltd.
KISSEI COMTEC CO., LTD.
KONICA MINOLTA JAPAN, INC.
KURARAY TRADING Co., Ltd
Kyorin Systemac Co., Ltd.
KYOTO KAGAKU CO., LTD.
LEXI Co,. Ltd.
LPixel Inc.
MAEDA&Co., Ltd
MARUBENI INFORMATION SYSTEMS CO., LTD.
Mediark Inc.
MEDICAL CREATE Co., Ltd.
Medical Expert, Inc.
MEDICAL INGS Co,. LTD.
MEDICON, INC
MEDIE Co., Ltd
Meilleur Co., Ltd.
MIKASA X-RAY CO., LTD.
MITAYA MANUFACTURING CO., LTD
Mitsubishi Electric Information Systems Corporation
MNES INC.
MORIYAMA X-RAY EQUIPMENTS CO., LTD.
Murisys
NAGASE&CO., LTD.
Nemoto Kyorindo Co., Ltd.
NetCam Systems Corporation
Nihon Poladigital K.K.
NIKKO FINES INDUSTRIES CO., LTD.
Nippon Electric Glass Co., Ltd.
NIPRO CORPORATION
NMP Business Support Co., Ltd.
NOBORI Ltd.
Nordic Neuro Lab AS/Physio-Tech Co., Ltd.
OBAYASHI MFG. CO., LTD.
OPTiM Corporation
ORION RADSAFE MEDICAL INC.
PADL. Inc
Philips Japan, Ltd.
Photron M&E Solutions Inc.
PIXXGEN CORPORATION
PSP Corporation.
Pure Storage Japan K.K.
RaySearch Japan K.K
RIKUTOH CORPORATION
Rimage Japan Co., Ltd
R-TECH. Inc
RTQM system Inc.
SANGYO KAGAKU CO., LTD.
SCETI K.K./Sceti Medical Labo K.K.
SHEEN MAN CO., LTD.
SHIMADZU CORPORATION/
SHIMADZU MEDICAL SYSTEMS CORPORATION
Siemens Healthcare K.K.
Sky Factory Japan/HSD Japan LLC
Sony Business Solutions Corporation
Spectrum Dynamics Medical Japan K.K.
Spellman High Voltage Electronics Corporation
Star Product Limited
Surgical Spine, Inc.
TAKARA BELMONT CORPORATION
TAKENAKA OPTONIC CO., LTD.
TeraRecon Inc.
Thales Japan K.K.
The Japan Fair Trade Council of the Medical Devices Industry (JFTC)
TOKYO KEIKI AVIATION INC./e Medical Tokyo Co., Ltd.
TORECK Co., Ltd.
TOYO Corporation
Toyo Medic Co., LTD.
UBIX Corporation
Unfors RaySafe K.K.
UNITEX Corporation
UNIVERSAL GIKEN CO., LTD.
U'sTEC System Development Co., Ltd.
VAREX IMAGING JAPAN K.K
Varian Medical Systems K.K.
ViewSend ICT Co., Ltd./Fujikin Incorporated/
AIIM JAPAN Co., Ltd.
Vigoment Software Corporation
VUNO Inc.
Yokogawa Medical Solutions Corporation
Ziosoft, Inc./AMIN, Inc.


CANON MEDICAL SYSTEMS/
Canon Lifecare Solutions/
AZE
SHIMADZU/
SHIMADZU MEDICAL SYSTEMS
GE Healthcare Japan
FUJIFILM Medical/
FUJIFILM Toyama Chemical/
FUJIFILM
Siemens Healthcare
Philips Japan
Toyo Medic
Theme Exhibit Area / JIRA Booth
KONICA MINOLTA JAPAN
学会使用スペース
Ziosoft/AMIN
Elekta
Yokogawa Medical Solutions
INFINITT JAPAN
PSP
INFOCOM
J-MAC SYSTEM
Hitachi
EURO MEDITECH
OBAYASHI MFG
Nemoto Kyorindo
ImageONE
Varian Medical Systems
ORION RADSAFE MEDICAL
Astro Stage
Presentation Corner
Accuray Japan
TeraRecon
EIZO
Hologic Japan
TOYO
Intervision
JVC KENWOOD
AcroBio
Bayer Yakuhin
BARCO
Brainlab
ITOCHU
Fujiderelo
Carestream Health Japan
LPixel
Auto System
NOBORI
FUJITSU
FINDEX
1
2
3
4
5
6
7
8
9
10
11
12