

International CT Symposium

April 13 (Sat.) 10:45-18:55 (National Convention Hall)

Recently, there have been many advancements in CT technology. However, it seems that there are very few international conferences where radiologists from around the world can come together to discuss the effective utilization of these innovations. This endeavor aims to serve as a platform for sharing the latest information on CT and hopefully serve as a catalyst for the establishment of an international CT conference in Asia and around the world.

• **Opening** 10:40-10:45

Masahiro Jinzaki (Keio Univ.)

Part 1: Advancements and Current Status of CT

1. Keynote lecture 10:45-12:45

Chairperson: Masahiro Jinzaki (Keio Univ.)

Hiroto Hatabu (Brigham and Women's Hosp., Harvard Medical Sch.)

- ICT1-1. High Impact Innovation in CT: Lessons from Angiography Geoffrey D. Rubin (Univ. of Arizona, USA)
- ICT1-2. Development of Angio-CT and the Impact on Interventional Radiology (IR)
Yasuaki Arai (National Cancer Center)
- ICT1-3. Development of Upright CT and Its Clinical Application -Building Imaging Diagnosis for the ERA of
Health and Longevity- Masahiro Jinzaki (Keio Univ.)
- ICT1-4. Advancements and Future Trends in Computed Tomography
Peter B. Noël (Univ. of Pennsylvania, USA.)

2. Recent Advancement in MDCT 13:00-14:15

Chairperson: Takamichi Murakami (Kobe Univ. Radiology)

Cher Heng Tan (Tan Tock Seng Hosp.)

- ICT2-1. Advances in Diagnosis: Implications for Whole-Brain CT Perfusion and 4D CT Angiography Using 320-
Row Area Detector CT Hiroyuki Uetani (Kumamoto Univ.)
- ICT2-2. Clinical usefulness of Revolution CT Apex edition
Haruhiko Machida (Tokyo Women's Medical Univ. Adachi Medical Center)
- ICT2-3. Clinical Utility of Dual-layer Spectral CT Kazuhiro Katahira (Kumamoto Chuo Hosp.)
- ICT2-4. Dual Source CT: Overview and Practical Use
Yuki Shinohara (Research Institute for Brain and Blood Vessels-Akita)
- ICT2-5. REiLI Supports Radiologists from the Acquisition to the Interpretation of CT Scans.
Mototaka Miyake (National Cancer Center Hosp.)

Part 2: Appearance of Photon Counting Detector CT (PCD-CT)

1. Keynote lecture 14:30-15:30 Chairperson: Toru Higaki (Hiroshima Univ.)

- ICT3-1. Physics Principles and Clinical Benefits of Photon Counting Detector CT
Cynthia H. McCollough (Mayo Clinic, USA)
- ICT3-2. The Perspectives and Current Contexts for Development of New Contrast Agents in Photon Counting CT Generation
Taisuke Fujioka (Bayer)

2. The Latest Development in PCD-CT 15:45-16:30 Chairperson: Kazuo Awai (Hiroshima Univ.) Jeong Min Lee (Seoul National Univ. Col. of Medicine)

- ICT4-1. The Power of NAEOTOM Alpha - Impacting Clinical Decision-making
Fabian Eisa (Siemens Healthineers)
- ICT4-2. Features of Canon PCD-CT
So Tsushima (Canon Medical Systems Corporation)
- ICT4-3. Photon Counting CT Prototype Designed with Deep Silicon Detectors - Technologies and Initial Clinical Evaluations
Yasuhiro Imai (GE HealthCare Japan)
- ICT4-4. Continuing Drive to Deliver an Increasingly Precise Diagnosis for Each Patient.
Ari Wood (Business Leader CT, Growth Region, Philips)

3. Clinical Usefulness of Photon Counting Detector CT

Radiation Dose Reduction in Pediatric the Field 16:45-17:20 Chairperson: Osamu Miyazaki (National Center for Child Health and Development) Tatsuo Kono (Tokyo Metropolitan Children's Medical Center)

- ICT5-1. Current Status and Perspective of Radiation Reduction in the Pediatric Field - Usefulness of Photon-counting CT.
Joseph Cao (Duke Univ.)
- ICT5-2. Radiation Dose Reduction using PCD-CT
Tetsu Niwa (Tokai Univ.)

Low Dose CT Lung Cancer Screening 17:20-18:15 Chairperson: Noriyuki Tomiyama (Osaka Univ.) Masahiko Kusumoto (National Cancer Center Hosp.)

- ICT5-3. History and Future Prospects of Low-Dose CT Lung Cancer Screening in Japan
Rumi Nakashima (Shonan Kamakura General Hosp.)
- ICT5-4. Low Dose CT Screening of Lung Cancer Screening in the United States
Ann NC Leung (Stanford Univ. Medical Center, USA)
- ICT5-5. Low-dose CT Lung Cancer Screening Initiatives in Europe
Sebastian Schmidt (Siemens Healthineers AG, Germany)

Cardiovascular Field 18:15-18:55 Chairperson: Daisuke Utsunomiya (Yokohama City Univ.) Whal Lee (Seoul National Univ. Hosp., Korea)

- ICT5-6. PCD-CT as Part of a Federal Consortium together with Some AI Developments in the Field of Cardiovascular Imaging
Stefan O. Schönberg (Univ. Medical Center Mannheim, Germany)
- ICT5-7. Advantages and Challenges of Ultra-High-Resolution Coronary CT with Photon Counting Technology
Kakuya Kitagawa (Mie Univ.)

Banquet of International CT Symposium (Marine Lobby) 19:00-

President Special Program — Radiology is Cross-Disciplinary —

One of the major characteristics of a radiologist would be their ability to work across various medical specialties. To consider the future role of radiologists, it is crucial to focus on themes that fully utilize this characteristic; “multidisciplinary”. Therefore, we have organized five sessions dedicated to exploring this aspect.

· President Special Program 1 April 13 (Sat.) 8:15-10:15 (National Convention Hall)

「Healthcare DX Led by Radiologists」

Chairperson: Jun Murai (Keio Univ.)

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

- RPS1-1. Initiatives of Healthcare Digital Transformation in Keio University Hospital
Masahiro Hashimoto (Keio Univ.)
- RPS1-2. Sustainable Digital Transformation in Radiology Department of Tohoku University Hospital
Hideki Ota (Tohoku Univ.)
- RPS1-3. Digital Transformation in Hospital: the Role of Radiologist
Myung Jin Chung (Samsung Medical Center, Korea)
- RPS1-4. Revolutionizing Radiology: the Emergence of Generative AI in Medical Imaging
Matthew Lungren (Microsoft, UCSF, Stanford, USA)
- RPS1-5. Implementation of AI and Digital Health in Brazil
Gustavo Meirelles (INOVACAO EM SAUDE, Brazil)

· President Special Program 2 April 13 (Sat.) 9:30-11:30 (301)

「Current Status and Perspective of Vascular Malformation」

Chairperson: Hidefumi Mimura (St. Marianna Univ. Sch. of Medicine)

Masanori Inoue (Keio Univ.)

- RPS2-1. Multidisciplinary therapy by the Center for Vascular tumors and Vascular Malformations at Keio University hospital
Noriko Aramaki (Keio Univ.)
- RPS2-2. Imaging of Vascular Tumors and Malformations
Shuji Nagata (Kurume Univ.)
- RPS2-3. How to Manage Vascular Malformations
Young Soo Do (Sacred Hosp., Hallym Univ., Korea)
- RPS2-4. New Drugs for Refractory Vascular Tumors and Malformations
Michio Ozeki (Gifu Univ.)

· President Special Program 3 April 13 (Sat.) 13:15-15:45 (301)

「Visualizing Lymphatic Systems and Beyond」

Chairperson: Shuji Kariya (Kansai Medical Univ.)

Masanori Inoue (Keio Univ.)

- RPS3-1. Macroscopic Anatomy of Lymphatic System and Thoracic Duct Based on Cadaver Dissection
Kenji Ibukuro (Nihon Univ.)
- RPS3-2. Imaging Diagnosis of Lymphatic Anomalies
Taiki Nozaki (Keio Univ.)
- RPS3-3. Recent Research and Surgical Approach for Lymphatic Diseases
Akihiro Fujino (Keio Univ.)
- RPS3-4. Advances in Lymphatic Imaging (MRI and Photoacoustic Imaging)
Shigeyoshi Soga (Dokkyo Med. Univ.)
- RPS3-5. Visualization of Lymphatic System and IVR Treatment
Maxim Itkin (Univ. of Pennsylvania, USA)

· **President Special Program 4** **April 13 (Sat.) 16:15-18:25 (301)**

「Further Visualization of Peripheral Nerve System」 Chairperson: Akio Hiwatashi (Nagoya City Univ.)
Taro Takahara (Tokai Univ.)

- RPS4-1. Anatomical Characteristics of the Peripheral Nervous System Haruki Koike (Saga Univ.)
RPS4-2. High Resolution Ultrasonography of the Upper Extremity Peripheral Nerves
Levon N. Nazarian (Hosp. of the Univ. of Pennsylvania, USA)
RPS4-3. Brachial Plexus MR Neurography and NS-RADS Avneesh Chhabra (UT Southwestern, USA)
RPS4-4. MR Neurography of the Lumbosacral Plexus
Yenpo Lin (Chang Gung Memorial Hosp. at Linkou, Taiwan)
RPS4-5. Clinical Applications of MR Neurography in Japan Hajime Yokota (Chiba Univ.)

· **President Special Program 5** **April 14 (Sun.) 9:30-11:30 (303)**

「New Visualization and IR Approach for the Venous System」
Chairperson: Keigo Osuga (Osaka Medical and Pharmaceutical Univ.)
Kei Takase (Tohoku Univ.)

- RPS5-1. An Overview of Physiologic Function Tests and Imaging Studies in the Evaluation of Venous Diseases
Toshiya Nishibe (Hokkaido Information Univ.)
RPS5-2. Ultrasound Diagnosis of Pelvic Venous Disease Hiroko Kume (Tsukuba Vascular Center)
RPS5-3. The Evaluation of Venous System by MR Venography. Jun Koizumi (CHU)
RPS5-4. Utility of 4D-CT in Pre- and Post-IVR Treatment - Particularly for Venous Diseases
Hiroshi Anai (Nara City Hosp)
RPS5-5. Assessment of Postural Changes in the Venous System Using Upright CT
Yoshitake Yamada (Keio Univ.)
RPS5-6. Endovascular Treatment of Venous Entrapment and Pelvic Congestion Syndrome
Keerati Hongsakul (Prince of Songkla Univ., Thailand)

Symposium

· Symposium 1 April 12 (Fri.) 9:30-11:30 (National Convention Hall)

「Chest Imaging Update 2024」

Chairperson: Shuji Sakai (Tokyo Women's Medical Univ.)
Yasuyuki Kurihara (St. Luke's International Hosp.)

- RSY1-1. Diagnostic Imaging of Interstitial Pneumonia: The Current State of the Art—Diagnostic AI and Cutting-Edge Technology Approaching the Microscopic Level
Ryoko Egashira (Saga Univ.)
- RSY1-2. Interstitial Lung Abnormalities (ILA): A Radiologist's Perspective
Hiroto Hatabu (Harvard Medical Sch. / The Fleischner Society / Brigham and Women's Hosp.)
- RSY1-3. Solitary Pulmonary Nodule: A Pragmatic Approach
Ann NC Leung (Stanford Univ. Medical Center, USA)
- RSY1-4. State of the Art MRI for Chest Diseases: Clinical Indications and New Techniques
Yoshiharu Ohno (Fujita Health Univ. Sch. of Medicine)

· Symposium 2 April 12 (Fri.) 9:30-11:30 (Main Hall)

「Further Visualization and Quantification of Brain Through MRI: from Morphology to Function」

Chairperson: Osamu Abe (The Univ. of Tokyo)
Toshiaki Taoka (Nagoya Univ.)

- RSY2-1. MRI Biomarkers in Neuro-oncology
Marion Smits (Erasmus MC, Netherlands)
- RSY2-2. Clinical Application of High-Resolution MRI Using Deep Learning Reconstruction
Kazuhiro Murayama (Fujita Health Univ.)
- RSY2-3. Quantitative MRI: Evaluation of Cerebral Hemodynamics by ASL and Molecular Information by APT-CEST Imaging
Osamu Togao (Kyushu Univ.)
- RSY2-4. Challenges in Measuring Glymphatic Activity using Noninvasive MRI Techniques
Koji Kamagata (Juntendo Univ.)
- RSY2-5. Resting-State fMRI: Emerging Concepts for Future Clinical Application
Shiori Amemiya (Tokyo Univ.)

· Symposium 3 April 12 (Fri.) 9:30-11:30 (301)

「Challenges in Advanced Cancer Treatment Utilizing Image Diagnostic Techniques」

Chairperson: Hirofumi Fujii (Japan Radioisotope Association)
Seigo Kinuya (Kanazawa Univ.)

- RSY3-1. Role of FBPA PET for Boron Neutron Capture Therapy
Kimiteru Ito (NCCH)
- RSY3-2. Development of Photoimmunotherapy and Its Deployment.
Mikako Ogawa (Hokkaido Univ.)
- RSY3-3. Future of Radio-Theranostics: Application to PSMA/FAPI
Tadashi Watabe (Osaka Univ.)
- RSY3-4. Trans Arterial Radio Embolization for Liver Cancer
Erdenebulgan Batmunkh (Second State Central Hosp.)

· Symposium 4

April 12 (Fri.) 9:30-11:30 (302)

[Visualizing Benign Pelvic Pathology]

Chairperson: Shinya Fujii (Tottori Univ.)
Yasushi Kaji (Shimane Univ.)

- RSY4-1. Pelvic Disease Overview from a Gynecologic Surgeon Tsukasa Baba (Iwate Med Univ.)
- RSY4-2. Urological Aspect of Pelvic Organ Prolapse and Lower Urinary Tract Symptom
Hirotaka Asakura (Saitama Med Univ. Hosp.)
- RSY4-3. Visible and Invisible Lesions in Endometriosis on MRI
Go Nakai (Osaka Medical and Pharmaceutical Univ.)
- RSY4-4. Diagnosis and Treatment of Pelvic Congestion Syndrome Teruyoshi Oda (NC)
- RSY4-5. MRI Imaging Guidelines according to the most recent expert Consensus ESUR ESGAR and SAR
Rania Farouk El Sayed (Cairo Univ. MRI Pelvic Floor Center of Excellency and Research Lab,
Cairo Univ. Hosp., Egypt)
- RSY4-6. Diagnosis of Voiding Dysfunction and Pelvic Organ Prolapse with Upright CT
Yoichi Yokoyama (Keio Univ.)

· Symposium 5

April 12 (Fri.) 9:30-11:30 (304)

[Radiologic Biliary Intervention in the Era of Endoscopic Intervention]

Chairperson: Koichiro Yamakado (Hyogo Medical Univ.)
Miyuki Sone (National Cancer Center Hosp.)

- RSY5-1. Biliary Intervention Starting with Successful Percutaneous Transhepatic Biliary Drainage for Non-dilated Bile Ducts Seishi Nakatsuka (Keio Univ.)
- RSY5-2. Biliary IVR for Benign Biliary Diseases Daisuke Abo (Hokkaido Univ.)
- RSY5-3. Percutaneous Biliary Intervention for Malignant Biliary Obstruction Yozo Sato (Aichi Cancer Center.)
- RSY5-4. Coexistence with Endoscopic Biliary Intervention Shunsuke Sugawara (NCCH)
- RSY5-5. Status of Radiological Biliary Intervention in Korea; Focusing on Post-Transplant Biliary Complications
Gi-Young Ko (Asan Medical Center, Korea)

· Symposium 6

April 12 (Fri.) 16:00-18:30 (Main Hall)

[Development of Dementia Care after the Introduction of Disease Modifying Therapy]

Chairperson: Satoshi Minoshima (Univ. of Utah)
Masaru Mimura (Keio Univ.)

- RSY6-1. Neuropathology of Dementia Masaki Takao (Dept. of Clin. Lab. and Int. Med.)
- RSY6-2. Emerging Role of Biofluid Biomarkers for Disease-modifying Therapies in Alzheimer's Disease
Takeshi Ikeuchi (Niigata Univ.)
- RSY6-3. Amyloid PET and Tau PET in Disease Modifying Treatment of Dementia
Kenji Ishii (Tokyo Metro Inst Gerontology)
- RSY6-4. The Pathway to Reimbursement of Amyloid-PET. Yasuhisa Fujibayashi (CMI Inc., Keio Univ.)
- RSY6-5. MRI Diagnosis of Amyloid-Related Imaging Abnormalities (ARIA) Kohsuke Kudo (Hokkaido Univ.)
- RSY6-6. How Will Alzheimer's Disease Modifier Drug Changes Our Practice? Atsushi Iwata (TMIGG)
- RSY6-7. Amyloid PET and Anti-amyloid Therapies: The Current Status in the U.S.A.
Satoshi Minoshima (Spencer Fox Eccles Sch. of Medicine, Univ. of Utah)

· Symposium 7

April 12 (Fri.) 16:00-18:30 (301)

「Cardiovascular Imaging Update 2024」

Chairperson: Hajime Sakuma (Mie Univ.)
Shinichiro Kumita (Nippon Medical Sch.)

- RSY7-1. Coronary CTA Assessment of Coronary Stenosis-detection, Quantification, Pitfalls and Update using AI and Ultrahigh Resolution CT
John Hoe (Mount Elizabeth Hosp., Singapore)
- RSY7-2. New Horizons in Cardiomyopathy: Classification and Imaging Innovations in the New ESC Guidelines
Malte Sieren (Univ. Hosp. Schleswig-Holstein, Germany)
- RSY7-3. 4D Flow MRI in Cardiovascular Disease
Thomas M Grist (Univ. of Wisconsin - Madison, USA)
- RSY7-4. Myocardial Fibrosis - Importance to Understanding Heart Failure
Joao A. C. Lima (Johns Hopkins Univ., USA)
- RSY7-5. The Usefulness of PET Imaging for Coronary Plaque Evaluation (NaF) and the Effect of COVID-19 Vaccine (FDG).
Takehiro Nakahara (Keio Univ.)
- RSY7-6. Diagnosis and Prognosis of Ischemia without Obstructive Coronary Artery Disease using ¹³N-ammonia Positron Emission Tomography
Michinobu Nagao (TWMU)

· Symposium 8

April 12 (Fri.) 16:00-18:20 (302)

「Further Visualization and Quantification of Body Trunk Through MRI: from Morphology to Function」

Chairperson: Satoshi Goshima (Hamamatsu Univ. Sch. of Medicine)
Masafumi Harada (Tokushima Univ.)

- RSY8-1. Artificial Intelligence in MRI: Where Do We Stand in 2024?
Saif Afat (Univ. Hosp. Tübingen, Germany)
- RSY8-2. Liver Imaging with MR Fingerprinting: Technical Considerations and Clinical Applications
Shohei Fujita (A. A. Martinos Center)
- RSY8-3. MR Elastography: Recent Topics
Kengo Yoshimitsu (Fukuoka Univ.)
- RSY8-4. MR Enterography: From Morphology to Function
Gabriele Masselli (Policlinico Umberto I. La Sapienza Univ., Italy)
- RSY8-5. Future of the Oncologic MRI: Quo Vadis?
Sukru Mehmet Erturk
- RSY8-6. Dynamic Nuclear Polarization MRI for Clinical Applications
Masayuki Matsuo (Gifu Univ.)
- RSY8-7. MR Multinuclear Imaging and Spectroscopy
Frank Hoogenraad (Philips)

· Symposium 9

April 12 (Fri.) 16:00-18:00 (303)

「Sports Medicine and Musculoskeletal Imaging」

Chairperson: Kaoru Kitsukawa (Chiba Univ. Hosp.)
Taiki Nozaki (Keio Univ.)

- RSY9-1. Tissue Delamination: Pathologic Unraveling of Tendons, Ligaments, and Articular Cartilage
Donald Resnick (Univ. of California, San Diego)
- RSY9-2. Screening of Baseball-Related Elbow Injuries in Kid's Baseball Players using a Vehicle-Mounted MRI System
Yoshikazu Okamoto (Univ. of Tsukuba)
- RSY9-3. Medical Treatment and Image Diagnosis in Sports: The Role of a Sports Doctor
Kazuki Sato (Keio Univ.)
- RSY9-4. Diagnostic Imaging at the Polyclinic During the Tokyo 2020 Olympic and Paralympic Games.
Takuya Adachi (TMDU)

· Symposium10

April 12 (Fri.) 16:00-18:20 (304)

「The Latest Trends in Diagnosis and Treatment of Prostate Cancer」

Chairperson: Hiroshi Shinmoto (National Defense Medical Col.)
Tohru Shiga (Fukushima Medical Univ.)

RSY10-1. Prostate Cancer Treatment Strategies Based on Imaging

Li-Jen Wang (Linkou Chang Gung Memorial Hosp., Col. of Medicine, Chang Gung Medical Sch.,
Chang Gung Medical Foundation, Taiwan)RSY10-2. State-of-the-art Techniques for New Diffusion Contrast and Simultaneous Acquisition of Quantitative
Indicators for Prostate Cancer

Tsutomu Tamada (Kawasaki Medical Sch.)

RSY10-3. Prostate Biopsy Overview: Radiologists' Perspective

Young Taik Oh (Yonsei Univ. Col. of Medicine, Severance Hosp., Korea)

RSY10-4. Active Surveillance of Prostate Cancer

Chau Hung Lee (Tan Tock Seng Hosp., Singapore)

RSY10-5. Future Perspectives in mpMRI including PET-MR with Ga-68 PSMA

Ronaldo Hueb Baroni (Hosp. Israelita Albert Einstein / CBR, Brazil)

RSY10-6. PSMA PET/CT on Management Intent in Prostate Cancer

Andrew M Scott (Austin Health / Univ. of Melbourne / Olivia Newton-John Cancer Research
Institute / La Trobe Univ., Australia)

· Symposium11

April 13 (Sat.) 9:30-11:30 (302)

「Current Status and Perspective of Radiogenomics」

Chairperson: Aki Kido (Toyama Univ.)
Shoji Kido (Osaka Univ.)

RSY11-1. Radiogenomics: Clinical Application of Tumors of the Central Nervous System

Hiroyuki Uetani (Kumamoto Univ.)

RSY11-2. Current Status and Challenges in Radiogenomics Analysis of Lung Cancer

Masahiro Yanagawa (Osaka Univ.)

RSY11-3. Current Update on Radiogenomics of Abdominal Malignancies

Hajime Yokota (Chiba Univ.)

RSY11-4. Radiomics for Molecular Phenotyping in Uterine Malignancy

Gigin Lin (Chang Gung Univ. Memorial Hosp., Taiwan)

RSY11-5. Unravelling Tumour Heterogeneity in Ovarian Cancer using a Radiogenomics Approach

Evis Sala (Univ. Cattolica del Sacro Cuore, Italy)

· Symposium12

April 13 (Sat.) 9:30-11:30 (303)

「**Diagnosis of Hepatocellular Carcinoma (CT, US, MR) and IR: Present and Future**」Chairperson: Masahiro Okada (Nihon Univ.)
Hiromitsu Onishi (Osaka Univ.)

- RSY12-1. Usage of CT in Diagnostic Imaging of Hepatocellular Carcinoma Imaging
Akira Yamada (Shinshu Univ.)
- RSY12-2. The Use of US in the Imaging of Hepatocellular Carcinoma.
Kazushi Numata (Gastroenterological C, YCU Medical Center,)
- RSY12-3. Usefulness of MRI for Imaging Diagnosis of Hepatocellular Carcinoma.
Satoshi Kobayashi (Kanazawa Univ.)
- RSY12-4. Asian Perspectives on the Use of Gadoxetate-enhanced MRI in HCC
Cher Heng Tan (Tan Tock Seng Hosp., Singapore)
- RSY12-5. Role of TACE in the ERA of Drug Therapies for Hepatocellular Carcinoma
Toshihiro Tanaka (Dept. of Dig and Interv Radiol)
- RSY12-6. Assessment of Treatment Response of Hepatocellular Carcinoma with Imaging
Yuko Nakamura (Hiroshima Univ.)

· Symposium13

April 13 (Sat.) 9:30-11:30 (304)

「**Imaging in Rheumatic Diseases from Children to Adults**」Chairperson: Takashi Koyama (Kurashiki Central Hosp.)
Mitsuru Matsuki (Jichi Children's Medical Center)

- RSY13-1. Thoracic Manifestations of Rheumatoid Arthritis
Tae Iwasawa (Kanagawa Cardiovascular & Respiratory Center)
- RSY13-2. Non-infectious Persistent Polyarticular Diseases: Diagnosis and the Role of the Radiologist
Hideharu Sugimoto (Shin-Kaminokawa Hosp.)
- RSY13-3. Neuroimaging Features in Rheumatic Disorders
Satoshi Matsushima (Jikei Univ.)
- RSY13-4. Imaging Diagnosis of Pediatric Rheumatic Diseases
Yuko Tsujioka (Keio Univ)

· Symposium14

April 13 (Sat.) 13:15-15:15 (304)

「**The Future of SBRT for Patients with Early-stage Lung Cancer - for Widespread Awareness of SBRT as a Treatment Option**」Chairperson: Takashi Mizowaki (Kyoto Univ.)
Atsuya Takeda (Ofuna Chuo Hosp.)

- RSY14-1. SBRT for Lung Cancer: Progress to Date and Future Prospects
Yukinori Matsuo (Kindai Univ.)
- RSY14-2. Consideration of SBRT for Lung Cancer from Clinical Trials
Tomoki Kimura (Kochi Univ.)
- RSY14-3. A Decision Aid Tool for Patients with Early-Stage Lung Cancer
Naoko Sanuki (Yokkaichi Municipal Hosp. / Ofuna Chuo Hosp.)
- RSY14-4. The Role of Shared Decision Making for Radiation Oncologists: An Approach and Considerations
Hiroshi Onishi (Univ. of Yamanashi)
- RSY14-5. Decision Aids and Decision-making Skills to Facilitate Shared Decision-making
Kazuhiro Nakayama (St. Luke's Univ.)

· Symposium15

April 13 (Sat.) 16:30-18:40 (302)

「Early Detection of Breast Cancer」

Chairperson: Kazunori Kubota (Dokkyo Medical Univ. Saitama Medical Center)
Naoko Mori (Akita Univ.)

- RSY15-1. Current Status of MR Screening for Breast Cancer in the U.S. and Ultrafast Dynamic MRI
Hiroyuki Abe (Univ. of Chicago)
- RSY15-2. Limitations, Problems, and Future Directions of Breast Cancer Screening in Japan
Takayoshi Uematsu (Dept. of Breast Imaging/Intervention Radiology)
- RSY15-3. Advancements and Standardization Efforts in Breast MRI and Diffusion-Weighted Imaging
Mami Iima (Kyoto Univ. Hosp.)
- RSY15-4. New Imaging Modalities Expected in the Future for Breast Cancer Screening
Jitsuro Tsukada (Keio Univ.)
- RSY15-5. What the Future Holds for the Screening, Diagnosis, and Treatment of Breast Cancer
Christiane K Kuhl (Univ. Hosp. Aachen, RWTH)

· Symposium16

April 13 (Sat.) 16:45-18:45 (303)

「Recent Advances in Musculoskeletal Imaging: from Morphology to Function」

Chairperson: Hajime Fujimoto (Chiba Univ. Hosp.)
Mamoru Niitsu (Tokyo Medical Univ.)

- RSY16-1. Advanced Musculoskeletal MRI
Garry Gold (Stanford Univ., USA)
- RSY16-2. MRI Assessment of Bone Marrow and Bony Cortex
Takatoshi Aoki (Univ. of Occup & Env. Health)
- RSY16-3. AI-Driven Approaches in Musculoskeletal Imaging: Innovations and Future Directions
Yoshito Otake (NAIST)
- RSY16-4. Evaluation of Musculoskeletal System Using Upright CT
Takeo Nagura (Keio Univ.)

· Symposium17

April 14 (Sun.) 8:15-10:15 (304)

「Recent Advancements in Renal Imaging」

Chairperson: Masahiro Jinzaki (Keio Univ.)
Satoru Takahashi (Aijinkai Takatsuki General Hosp.)

- RSY17-1. Multiparametric Imaging of Renal Cell Carcinoma
Refky Nicola (SUNY-Upstate Medical Univ., USA)
- RSY17-2. Image Diagnosis Based on the WHO Classification of Urinary Tumors (5th Edition)
Akira Yamamoto (Kawasaki Med.)
- RSY17-3. Next Generation Imaging of Renal Cell Carcinoma
Evis Sala (Università Cattolica del Sacro Cuore, Italy)
- RSY17-4. Imaging Diagnosis of Renal Cell Carcinoma Recurrence
Shu-Huei Shen (Taipei Veterans General Hosp., Taiwan)
- RSY17-5. Renal Elastography: Challenges and Strategies Towards Clinical Use
Taek Min Kim (Seoul National Univ. Hosp., Korea)

· Symposium18

April 14 (Sun.) 9:30-11:30 (Main Hall)

「**Human Resource Development in Radiology**」Chairperson: Seung Eun Jung (Univ. of Alabama, USA)
Kei Yamada (Kyoto Prefectural Univ. of Medicine)RSY18-1. The Importance of Junior Physicians' Initiative in Human Resource Development: Experience in J-CIRCLE and Future Perspective in JRS
Masashi Tamura (Keio Univ.)RSY18-2. AOSOR Youth Club: Leadership Training in Asian Countries
Yoshiyuki Watanabe (SUMS)RSY18-3. Initiatives to Nurture Success and Happiness During Residency Training
Angelisa M. Paladin (Univ. of Washington and Seattle Children's Hosp., USA)

RSY18-4. Leadership Development: Perspectives from the International Society of Strategic Studies in Radiology (IS3R)

Stefan O. Schönberg (Univ. Medical Center Mannheim / International Society for Strategic Studies in Radiology (IS3R))

RSY18-5. 4D Flow MRI in Cardiovascular Disease
Thomas M Grist (Univ. of Wisconsin - Madison, USA)

· Symposium19

April 14 (Sun.) 9:30-11:30 (301)

「**Recent Advancements in Imaging of Pancreas**」Chairperson: Yasuo Takehara (Nagoya Univ.)
Yasunari Fujinaga (Shinshu Univ.)RSY19-1. Artificial Intelligence-based Pancreatic Cancer Detection on Contrast-enhanced CT
Keitaro Sofue (Kobe Univ.)RSY19-2. Pancreatic Adenocarcinoma Staging in the Era of Preoperative Chemotherapy and Radiation Therapy
Marc Zins (Paris Saint Joseph Hosp., France)RSY19-3. Quantitative CT/MRI Analyses for Predicting Treatment Response and Patient Prognosis
Yoshihiko Fukukura (Kawasaki Med)RSY19-4. Potential of CT Radiomics in Pancreatic Cancer Imaging
Yoshifumi Noda (Gifu Univ.)RSY19-5. Update on Imaging for Pancreatic Neuroendocrine Neoplasm
Dong Wook Kim (Univ. of Ulsan Col. of Medicine, Asan Medical Center, Korea)

Special Program

· Special Program 1 (Contrast Media Safety Committee) April 13 (Sat.) 13:15-14:15 (303)

「For Stable Use of Iodine Contrast Media: The Structure of NHI Prices and Future Prospects for Iodine Contrast Media」

Chairperson: Takao Hiraki (Okayama Univ.)
Hiromitsu Hayashi (Nippon Medhical Sch.)

- RSP1-1. Drug Pricing System in Japan Hiroaki Mamiya (Sch. of Pharmacy, IUHW)
RSP1-2. Current Status and Outlook for OMNIPAQUE Pre-filled Syringe
Koichiro Kubo (GE HealthCare Pharma)
RSP1-3. Special Remarks Shigeki Aoki (Juntendo Univ.)

· Special Program 2 (Diversity Committee) April 13 (Sat.) 14:00-16:00 (302)

「Workstyle Transformation Begins: A Glimpse into the Radiological Society's Present and Future」

Chairperson: Noriko Aida (Kanagawa Children's Med Ctr.)
Noriko Oyama-Manabe (Jichi Medical Univ. Saitama Medical Center)

- RSP2-1. Task Shift and JRS Initiatives: Introduction Noriko Aida (Kanagawa Children's Med Ctr.)
RSP2-2. Case Study of Task Sharing: Strategy and Results at Kumamoto University Hospital
Ryuji Ikeda (Kumamoto Univ.)
RSP2-3. Effects and Challenges of Task Sharing at Saiseikai Kawaguchi General Hospital
Hironobu Tomita (Kawaguchi General Hosp.)
RSP2-4. What Determines the Job Satisfaction? Miyuki Sone (NCCH)
RSP2-5. An Overview of the Results of the 2023 JRS Survey for Child Rearing in Japanese Radiologists
Tsuneo Yamashiro (Yokohama City Univ.)
RSP2-6. The Actual Experience of Male Parental Leave Shinjiro Aso (Yokohama City Univ.)
RSP2-7. Work-style Reform from the Administrators Point of View Kei Yamada (KPUM)
RSP2-8. Panelist: Megumi Takewa (Nara Pref. Seiwa MC)
RSP2-9. Masahiko Kusumoto (National Cancer Center Hosp.)

· Special Program 3 (Guideline Committee) April 13 (Sat.) 14:45-16:15 (303)

「Diagnostic Imaging Guidelines: What You Need to Know about Making Guidelines Today」

Chairperson: Kohsuke Kudo (Hokkaido Univ.)
Masako Kataoka (Kyoto Univ.)

- RSP3-1. How to Create Clinical Practice Guidelines Yoshihito Goto (NHO KMC)
RSP3-2. Creation of Diagnostic Imaging Guidelines: Work Process from the Perspective of Guideline Committee Members
Takatoshi Aoki (Univ. of Occup & Env. Health)
RSP3-3. Four Times Experiences of Diagnostic Imaging Guideline Committee. Processes & Means of Preparing, the Value of Public Relations, and Clinical Impacts Satoshi Goshima (Hamamatsu Univ.)
RSP3-4. Basic and New Usage of Web-based or Application-based Clinical Guidelines
Satoshi Funayama (Hamamatsu Univ. Sch. of Medicine)
RSP3-5. Commentator: Taisuke Harada (Hokkaido Univ.)

· **Special Program 4 (JJR Seminar) April 14 (Sun.) 9:30-11:30 (302)**

「The Revolutionary Advancements in Medical Paper Writing and Reviewing Enabled by the Latest AI」

Chairperson: Shinji Naganawa (Nagoya Univ.)
Yukio Miki (Osaka Metropolitan Univ.)

- RSP4-1. Exploring the Evolution in Medical Paper Writing and Peer Review Triggered by Modern AI (Introductory Edition) Takeshi Nakaura (Kumamoto Univ.)
RSP4-2. Practical Applications Kenji Hirata (Hokkaido Univ.)
RSP4-3. Future Perspectives of the Latest AI in Medical Writing and Peer Review. Ito Rintaro (Nagoya Univ.)
RSP4-4. KJR's Efforts on Medical Paper Writing and Reviewing Enabled using the Latest AI
Sung Il Hwang (Seoul National Univ. Bundang Hosp., Korea)
RSP4-5. From Deputy Editor of *Radiology*: Current Trends and Future Directions
Mizuki Nishino (Professor of Radiology, Harvard Medical Sch. / Deputy Editor, *Radiology*)

· **Special Program 5 (JCR Hour) April 14 (Sun.) 13:15-15:15 (301)**

「Future Prospects for the Medical Specialists Certifying System and Free Profession System in Japanese Medicine」

Chairperson: Roka Matsubayashi N (NHO Kyushu Medical Center)

- RSP5-1. 抄録無し Roka Matsubayashi N (NHO Kyushu Medical Center)
RSP5-2. Specialist System from the Patient's Perspective Ikuko Yamaguchi (COOML)
RSP5-3. Characteristics and Future of Japanese Medical Care Satoshi Kamayachi (JMA)
RSP5-4. From a Radiologist's Perspective Minako Azuma (Miyazaki Univ.)
RSP5-5. Perspectives of Japanese Medical Services Tamio Teramoto (Teikyo Univ.)

· **Special Program 6 (J-MID) April 14 (Sun.) 13:45-15:15 (302)**

「Pioneers of the AI Revolution: J-MID × 6th National Medical AI Contest Winners' Lecture」

Chairperson: Mototaka Miyake (National Cancer Center Hosp.)
Kanako Kumamaru (Juntendo Univ.)

- RSP6-1. Junya Sato (Osaka Univ.)
RSP6-2. Award-winner
RSP6-3. Award-winner
RSP6-4. Award-winner
RSP6-5. Hirohiko Niioka (Osaka Univ.)

Oral & Electronic Presentation

April 11 (Thu.)

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

Hepatobiliary and Pancreas (Liver CT) Kazuhiro Saito
Katsuyoshi Ito

- ★ **ROP 1-1** Diagnosis of Liver Fibrosis Stage by Virtual Portal Venous Pressure Estimation Using Perfusion Computed Tomography and Computational Fluid Dynamics.
Akira Yamada / Dept. of Radiology, Shinshu Univ.
- ★ **ROP 1-2** Liver Tumor Differentiation by Multiparametric Dual-energy CT: Diagnostic Performance in Non-contrast-enhanced CT
Takashi Ota / Dept. of Radiology, Osaka Univ.
- ROP 1-3** Usefulness of Linerly-Decelerated Injection Method in Arterial-Phase CT of Liver in the Evaluation of Hypervascular Lesions Compared with the Standard Injection Method
Hiroaki Takayama / Gunma Univ. Dept. of Diagnostic Radiology and Nuclear Medicine.
- ROP 1-4** Imaging-Based Disease Extent Related to Patients' Prognosis in Systematic Treatment of Advanced Hepatocellular Carcinoma
Hlroyuki Morisaka / Dept. of Radiology, Univ. of Yamanashi
- ROP 1-5** Extracellular Volume Fraction for the Prediction of the Wall-Invasion Pattern of Advanced Gallbladder Carcinoma
Yukihisa Takayama / Dept. of Radiology, Fukuoka Univ.

12:50-13:50 (311+312)

Hepatobiliary and Pancreas (Liver MRI) Akihiro Nishie
Azusa Kitao

- ROP 2-1** Abnormal Lymphatic Congestion in Fontan Circulation: Demonstration Using Gd-EOB-DTPA Magnetic Resonance Lymphangiography
Akihiro Inoue / Dept. of Diagnostic Imaging & Nuclear Medicine, Tokyo Womens Medical Univ
- ROP 2-2** Periportal Lymphatic Change in Chronic Liver Disease on 3D-T2 Weighted Imaging after Hepatobiliary Phase.
Yukichi Tanahashi / Dept. of Radiology, Hamamatsu Univ. School of Medicine
- ROP 2-3** Quantitative Evaluation of Liver Function Using Gadoteric Acid-Enhanced MR Imaging and Standardized Hepatocellular Uptake Index Across Diverse MR Systems
Eriko Yoshizawa / Dept. of Radiology, Shinshu Univ.
- ROP 2-4** Deep Learning Accelerated Ultra-Fast Multi-Phase Acquisition Improves the Success Rate of Arterial Phase of Gadoteric Acid-Enhanced MRI
Masaya Kutsuna / Dept. of Radiology, Hamamatsu Univ. Sch. of Medicine
- ROP 2-5** Prediction of Treatment Efficacy by Heterogeneity of Hepatobiliary Phase on Gd-EOB-DTPA-Enhanced MRI in Unresectable-Hepatocellular Carcinoma Treated with Atezolizumab Plus Bevacizumab
Hideki Kunichika / Dept. of Diagnostic and Interventional Radiology, Nara Medical Univ

ROP 2-6 Differentiation of Histopathological Growth Patterns of Colorectal Liver Metastases by MRI Features
Kumi Ozaki / Dept. of Radiology, Hamamatsu Univ.

14:00-14:40 (311+312)

Interventional Radiology Head and Neck Hiro Kiyosue
Shingo Kakeda

- ROP 3-1** Four-Dimensional Computed Tomography Angiography for the Pre-Interventional Planning of Extracranial Arteriovenous Malformations
Taiga Oka / Dept. of Radiology, Nagasaki Univ.
- ★ **ROP 3-2** Selective Transvenous Embolization for the Treatment of Cavernous Sinus Dural Arteriovenous Fistulas
Hiro Kiyosue / Dept of Diag Imag, Kumamoto Univ
- ★ **ROP 3-3** Endovascular Treatment of Occlusion of the Basilar Artery, Experience in a Third Level Hospital.
Francisco Esteban Dianderas Gutierrez / Dept. of Radiology, Virgen del Rocío Univ. Hosp.
- ★ **ROP 3-4** The Image Quality Evaluation of Cerebral Angiographic Image Using High kV Technique, a Retrospective Study and Phantom Study.
Panuwat Pattum / Dept. of Radiology, Faculty of Medicine, Khon Kaen Univ.

14:50-15:30 (311+312)

Interventional Radiology Others Masaaki Akahane
Hideki Yashiro

- ROP 4-1** Influence of Percutaneous Cryoablation for Renal Tumors on Overall and Split Renal Function
Takuji Yamagami / Dept. of Diagnostic and Interventional Radiology, Kochi Univ.
- ROP 4-2** Cryoablation for Renal Cell Carcinoma in Patients with Von-Hippel-Lindau Disease: A Retrospective Analysis of Tumor Control and Renal Function
Yasuhiro Ushijima / Dept. of Clinical Radiology, Kyushu Univ.
- ★ **ROP 4-3** Clinical Evaluation of a Radio-Protective Glove for the Finger Exposure of the Interventional Radiologist: A Short-Term Study
Masakazu Hirakawa / Dept of Radiology, Kyushu Univ. Beppu Hosp.
- ★ **ROP 4-4** Radiation Safety Assessment of Patient and Staff During Diagnosis and Treatment of Intracranial Aneurysm, a Phantom Study
Puengjai Punikhom / Dept. of Radiology, Faculty of Medicine, Khon Kaen Univ.

15:40-16:30 (311+312)

Chest 1 (CT) Masaki Hara
Nobuyuki Tanaka

- ★ **ROP 5-1** Prognostic Assessment Using Extracellular Volume Fractions Derived from Equilibrium Contrast-Enhanced Computed Tomography in Thymomas
Koji Takumi / Dept. of Radiology, Kagoshima Univ.

★ : English Presentation

ROP 5-2 Usefulness of Extracellular Volume Fractions Derived from Dual-Energy Computed Tomography for Predicting Histological Type and Grade of Non-Small Cell Lung Cancer
Hiroaki Nagano / Dept. of Radiology, Kagoshima Univ.

ROP 5-3 Dual-Energy Computed Tomography Texture Analysis in the Evaluation of Thymic Epithelial Tumors
Ryota Nakanosono / Dept. of Radiology, Kagoshima Univ.

ROP 5-4 Eclipse Sign for the Differentiation of Primary Lung Cancer and Pulmonary Metastases on Contrast-Enhanced Dual-Energy CT
Yoshinao Sato / Dept. of Diagnostic Imaging, Cancer Institute Hosp.

★ **ROP 5-5** Preliminary Results of Out-of-pocket Lung Cancer Screening Using Low Dose Computed Tomography in Taiwan
Chun Yu Su / Dept. of Medical Imaging and Intervention, Chang Gung Memorial Hosp., Linkou, Taiwan

16:50-17:30 (311+312)

Cardiovascular 1 (CT)Kunihiro Yoshioka
Teruhito Kido

★ **ROP 6-1** Aortic Arch Deformation from Gravity
Takehiro Nakahara / Dept. of Radiology, Keio Univ.

ROP 6-2 Effect of Reconstruction Conditions on Myocardial Strain Analysis in Photon-Counting-Detector CT
Masaya Kisohara / Dept. of Radiology, Nagoya City Univ.

★ **ROP 6-3** Incremental Prognostic Value of Dynamic Computed Tomography Perfusion Over Coronary Computed Tomography Angiography in Patients with Dialysis-Dependent End-Stage Renal Disease
Suguru Araki / Dept. of Radiology, Mie Univ.

ROP 6-4 Image Quality Analysis of Photon-Counting CT Compared with Energy-Integrating CT for Deep Venous Thrombosis
Kazushi Suzuki / Dept. of Radiology, Nagoya City Univ.

10:30-11:40 (313+314)

Uroradiology 1 (Prostate)Atsushi Nakamoto
Hiromi Edo

ROP 7-1 Preliminary Assessment of Clinical, Radiological, and Pathological Findings in Prostate Cancer among Younger Men (Aged Under 60 Years)
Arisa Kameda / Dept. of Diagnostic and Interventional Radiology, Nara Medical Univ.

★ **ROP 7-2** A Pilot Study of Quantitative Parameter Mapping of Prostate Magnetic Resonance Imaging for Assessment of Clinically Significant Prostate Cancer
Koichiro Kimura / Dept. of Diagnostic Radiology and Nuclear Medicine, Tokyo Medical and Dental Univ.

ROP 7-3 Machine Learning for Prostate Cancer Risk Stratification: A Novel Approach Using Multiparametric MRI and Systematic Biopsy Data
Atsushi Higaki / Dept. of Radiology, Kawasaki Med Sch.

ROP 7-4 Temporal Evolution of Multiparametric Magnetic Resonance Imaging Findings Following Focal Microwave Tissue Coagulation for Localized Prostate Cancer
Bunta Tokuda / Dept. of Radiology, Kyoto Prefectural Univ. of Medicine

ROP 7-5 MR Imaging Findings of Granulomatous Prostatitis after Intravesical Bacillus Calmette-Guerin Treatment of Bladder Cancer : Comparison with Those in Prostate Cancer
Hisataka Ito / Dept. of Diagnostic Radiology, Kurashiki Central Hosp.

ROP 7-6 Comparison of Post-Treatment Magnetic Resonance Imaging Findings in Focal Cryotherapy and Focal Microwave Tissue Coagulation for Localized Prostate Cancer
Kaori Yamada / Dept. of Diagnostic Radiology, JRC Kyoto Daiichi Hosp.

★ **ROP 7-7** Prostate Errors and Horrors: Pitfalls in MRI for Prostate Cancer Evaluation and How to Survive Them.
Francisco Esteban Dianderas Gutierrez / Dept. of Radiology, Virgen del Rocío Univ. Hosp.

12:50-13:40 (313+314)

Nuclear Medicine GastrointestinalMakoto Hosono
Ryogo Minamimoto

ROP 8-1 Evaluation of Preoperative Lymph Node Metastasis in Esophageal Squamous Cell Carcinoma by Dual-Energy Computed Tomography and Positron Emission Tomography
Xuyang Sun / Dept. of Radiology, Tokai Univ.

ROP 8-2 An Initial Prospective Clinical Study of Tumor Hypoxia Evaluated with 18F-Fluoromisonidazole PET/CT in Esophageal Cancer Patients Undergoing Neoadjuvant Chemotherapy
Hayato Kaida / Dept. of Radiology, Kindai Univ.

ROP 8-3 Early Experiences of 177 Lu Based Peptide Receptor Radionuclide Therapy for Neuroendocrine Tumors.
Hiromi Sakaguchi / Dept. of Radiation Oncology, Tottori Univ.

ROP 8-4 Preliminary Evaluation of Efficacy and Adverse Events in ¹⁷⁷Lu-DOTATATE Therapy for Neuroendocrine Tumors
Shigeyasu Sugawara / ACRC, Fukushima Medical Univ.

ROP 8-5 Clinical Characteristics of Patients with Neuroendocrine Tumors Who Could not Complete Full-Dose ¹⁷⁷Lu-DOTATATE Therapy
Shozo Okamoto / Advanced Clinical Research Center, Fukushima Med. Univ.

13:50-14:20 (313+314)

Nuclear Medicine Urology & PelvisKazuhiro Kitajima
Akira Toriihara

ROP 9-1 Prediction of Pathologic Grading of Clear Cell Renal Cell Carcinoma Using Digital PET
Nobuhiko Hayashi / Dept. of Radiology, Nippon Medical Sch.

ROP 9-2 Data-Driven Respiratory Gating PET Improves Image Quality in the Pelvic Region
Daisuke Katayama / Dept. of Nuclear Medicine, Osaka Univ.

ROP 9-3 Clinical Effectiveness of [F-18] PSMA 1007 PET/CT Compared to Conventional Imaging in Japanese Prostate Cancer Patients of Phase I/IIa Trial
Koichiro Kimura / Dept. of Diagnostic Radiology and Nuclear Medicine, Tokyo Medical and Dental Univ.

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

Nuclear Medicine Cardiovascular Jun Hashimoto
Kenji Fukushima

ROP 10-1 Comparison of the Difference between Dual Phase Imaging with PYP and HMDP in ATTR Cardiac Amyloidosis
Takashi Norikane / Dept. of Radiology, Kagawa Univ.

ROP 10-2 Evaluation of Diastolic Dysfunction Using Myocardial Perfusion SPECT—Comparison with Echocardiography and MRI
Rika Kobayashi / Dept. of Radiology, Nippon Medical School Hosp.

ROP 10-3 Significance of Splenic Switch-Off in Adenosine Triphosphate ¹³N-ammonia-PET Myocardial Perfusion Imaging
Kentaro Ohara / Dept. of Radiology, Ehime Prefecture Central Hosp.

ROP 10-4 Examination of Factors Associated with Reduced Global Myocardial Blood Flow in N-13 Ammonia PET
Naoto Kawaguchi / Dept. of Radiology, Ehime Univ.

ROP 10-5 ¹⁸F-FDG and ¹⁸-NaF Uptake Predict the Development of Abdominal Aortic Aneurysm.
Takehiro Nakahara / Dept. of Radiology, Keio Univ.

ROP 10-6 Utilizing FDG-PET/CT for the Assessment of Endoleaks Post-Endovascular Aneurysm Repair (EVAR)
Kanau Nittachi / Tohoku Univ.

15:40-16:10 (313+314)

Musculoskeletal (Quantitative 1) Tamotsu Kamishima
Asako Yamamoto

ROP 11-1 Determining Cut-off Values for the Skeletal Muscle and Subcutaneous Adipose Tissue Indexes at the L1 Level for Cancer Prognosis Prediction
Nobuhiko Akamatsu / Dept. of Radiology, Nerima Hikarigaoka Hosp.

★**ROP 11-2** Total Diffusion Tumor Volume Measurement of Metastatic Bone Lesions from Prostate Cancer Using Whole-Body MRI
Katsuyuki Nakanishi / Dept. of Diagnostic & IVR, OICI

★**ROP 11-3** The Relative Sarcopenia Index (Z-Score) in Preoperative Gastrointestinal and Urological Cancer is a Useful Prognostic Predictor: A Large Cohort Study
Mariko Kurokawa / Dept. of Radiology, Tokyo Univ.

16:30-17:00 (313+314)

Obstetrics / Gynecology (Uterus) Satomi Kitai
Izumi Imaoka

ROP 12-1 Time-Dependent Diffusion Magnetic Resonance Imaging May be Useful for Predicting 2023 FIGO Staging in Patients with Uterine Endometrial Cancer
Fumitaka Ejima / Dept. of Radiology, Kagoshima Univ.

ROP 12-2 Which MRI Sequence Contributes in the Assessment of Myometrial Invasion in Endometrial Cancer in a Real Clinical Setting?
Ayumi Seko-Nitta / Dept. of Radiology, Shiga Univ. of Med. Sci.

ROP 12-3 Diagnostic Utility of MRI Findings and Texture Analysis in Differentiating Uterine Endometrial Carcinoma from Uterine Carcinosarcoma
Saki Tsuchihashi / Dept. of Radiology, Ogawa Red.

April 12 (Fri.)

8:30-9:00 (311+312)

Pediatric 1(MRI) Shunsuke Nosaka
Kumiko Nozawa

ROP 13-1 Usefulness of Apparent Diffusion Coefficient Values for Magnetic Resonance Imaging Abnormalities at Term Equivalent Age in Low Birth Weight Infants Weighing Less than 1500 g
Katsumi Hayakawa / Dept. of Diagnostic Radiology, Red Cross Kyoto Daiichi Hosp.

ROP 13-2 Creation of a Segmentation Model for the Corpus Callosum and the Pons in Pediatric Head MRI Using Deep Learning
Motoo Nakagawa / Dept. of Radiology Nagoya City Univ.

ROP 13-3 Prevalence of Tubular Intraosseous Tracking of the Acetabulum with Hip Arthritis in Children
Yasuyo Teramura / Dept. of Radiology, National Center for Child Health and Development

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

Interventional Radiology Vascular Tetsuya Fukuda
Masato Yamaguchi

ROP 14-1 Computational Modeling of Blood Flow in Relation to Aldosterone Concentrations in Adrenal Vein Sampling Ver 2.0
Kodai Fukuda / Dept. of Radiology, Wakayama Medical Univ.

★**ROP 14-2** Relationship between Ischemic Grade Lower Extremity Arterial Disease and Perfusion-Related Coefficients and Perfusion Fraction in Intravoxel Incoherent Motion Imaging
Mitsunari Maruyama / Dept. of Radiology, Shimane Univ.

ROP 14-3 Usefulness of 0.035-Inch Hydrogel-coated Coils for Embolization of Inferior Mesenteric Artery in Endovascular Aneurysm Repair to Prevent Type II Endoleak
Rika Yoshimatsu / Dept. of Radiology, Kochi Health Sciences Center

10:00-10:50 (311+312)

Interventional Radiology Non-Vascular Noboru Tanigawa
Takuji Yamagami

ROP 15-1 Evaluation of CT-Guided Biopsy Using a Full-Core System
Makoto Hamano / Dept. of Radiology, Iwate Med Univ.

ROP 15-2 CT-Guided Lung Biopsy for Lesions Below the Pleura
Miyuki Nakatani / Dept. of Radiology, Kansai Medical Univ.

★ : English Presentation

ROP 15-3 Robotic Versus Manual Needle Insertion for CT Fluoroscopy-Guided Intervention: An Open-Label, Randomized Non-Inferiority Trial
Takao Hiraki / Dept. of Radiology, Okayama Univ.

ROP 15-4 A Short Hookwire Dropout in Pulmonary VATS Marker Placement: Causes and Countermeasures
Junichi Matsumoto / Dept. of Radiology, Kanazawa Univ.

★**ROP 15-5** Ultrasound Guided Percutaneous Treatment of Hepatic Hydatid Cysts in Rural Setting: A Retrospective Study
Rohan Chaube / Dept. of Radiodiagnosis, MMMSR, MM Univ., Mullana, Ambala

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

Interventional Radiology EmbolizationTakanori Taniguchi
Hiroshi Kondo

ROP 16-1 Magnetic Resonance Imaging Predictors of Adverse Maternal Outcomes in Placenta Accreta Spectrum and Placenta Previa with Prophylactic Balloon Occlusion of the Internal Iliac Artery
Hiroyuki Tokue / Dept. of Diagnostic Radiology, Gunma Univ.

ROP 16-2 Endovascular Management for Postpartum Hemorrhage after Cesarean Section
Ryosuke Yonemasu / Dept. of Radiology, Oita Univ.

ROP 16-3 Factors Associated with Recurrence after Uterine Artery Embolization for Uterine Fibroids
Yuki Tanaka / Dept. of Radiology, Kansai Medical Univ.

ROP 16-4 Risk Factors of Recurrent Hemoptysis after Bronchial Artery Embolization: Univariate and Multivariate Analyses
Takamasa Nishimura / Dept. of Radiology, Nagasaki Univ.

ROP 16-5 The Efficacy of Magnetic Resonance Digital Subtraction Angiography as a Preoperative Examination before Transcatheter Microembolization for Musculoskeletal Pain
Katsutoshi Horiuchi / Dept. of Diagnostic and Interventional Radiology, Nara Medical Univ.

16:20-17:00 (311+312)

Pediatric 2(X-ray, CT, US)Eiji Oguma
Mikiko Miyasaka

ROP 17-1 Verification of Image Quality of X-ray with Noise Reduction Technology: Foreign Body Detection in Phantom Studies
Shoko Arizono / Dept. of Radiology, St. Marianna Univ.

ROP 17-2 Assessing Image Quality in Portable Radiography with Noise Reduction for Neonatal Pneumothorax
Yuki Saito / Dept. of Radiology, St. Marianna Univ.

ROP 17-3 Diagnostic Performance of Thumb Printing Appearance on Head Computed Tomography for Evaluating Intracranial Hypertension in Neonates and Infants
Akira Yogi / Dept. of Radiology, Univ. of The Ryukyus

★**ROP 17-4** Correlation Fatty Liver, Visceral Fat Thickness and Subcutaneous Fat Thickness Based on Ultrasonography Abdominal in Pediatric with Overweight and Obesity
Rafikah Rauf / Dept. of Radiology, Faculty of Medicine Hasanuddin Univ.

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

Breast (Us / MMG)Hiroko Kawashima
Ken Yamaguchi

★**ROP 18-1** Relationship between Breast Shape Changes Induced by Patients' Positions and Breast Density or Thickness Measured on Mammography
Maki Amano / Dept. of Radiology, Nihon Univ. Hosp.

★**ROP 18-2** Effect of Prophylactic Oophorectomy on Background Breast Composition (FGT, BPE, and MBD) Obtained from MRI and Mammography.
Ohashi Akane / Dept. of Radiology, Kitano Hosp.

ROP 18-3 Assessing the Impact of Deep Learning in Mammography Diagnostic Support for Japanese Women
Arisa Sato / Dept. of Radiology, Nitobe Memorial Nakano General Hosp.

ROP 18-4 Development of Deep Learning for Ultrasound Image Classification in Breast Cancer: Diagnosis of Axillary Lymph Node Metastasis
Tomoyuki Fujioka / Dept. of Diagnostic Radiology, TMDU

★**ROP 18-5** Potential of AI Diagnostic Support System for Breast Mass Diagnosis in Ultrasound Images
Leona Katsuta / Dept. of Diagnostic Radiology, TMDU

★**ROP 18-6** What Women Want in the 21st Century Vs the Augmented Breast Reality: Radiological Features and Complications of the Latest Injectables
Llewellyn Sim / Dept. of Diagnostic Radiology, Singapore General Hosp.

8:20-9:10 (313+314)

Head and NeckKeiko Toyoda
Hiroya Ojiri

ROP 19-1 Predicting Factors for Recurrence in Radiographic Findings of Human Papillomavirus-positive and Negative Oropharyngeal Squamous Cell Carcinoma.
Taketo Suto / Dept. of Radiology, Gifu Univ.

ROP 19-2 Magnetic Resonance Imaging Features of Histologic Subtypes of Thyroid Cancer: Differentiation between Anaplastic, Poorly-Differentiated, and Papillary Thyroid Carcinoma
Takahide Maeda / Dept. of Radiology, Gifu Univ.

★**ROP 19-3** Diagnostic Feasibility of Synthetic Magnetic Resonance Imaging for Salivary Gland Lesions
Koji Takumi / Dept. of Radiology, Kagoshima Univ.

★**ROP 19-4** Posterior Fossa Tumoral Lesions in Adults: A Survival Guide to Dont Die in the Try
Francisco Esteban Dianderas Gutierrez / Radiology Dept., Hosp. Universitario Virgen del Rocío, Sevilla

★**ROP 19-5** Metastatic Branchial Cleft Cyst in Recurrent Papillary Thyroid Carcinoma Patient
Iis Imelda / Dept. of Radiology, Faculty of Medicine, Hasanuddin Univ.

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

Radiation Oncology Urology & Pelvis 1 (Prostate)Kenji Nemoto
Kazumasa Nakamura**ROP 20-1** Initial Experience with Moderate Hypofractionation of Prostate Cancer with Implantation of Hydrogel Spacers at Our Institution
Miu Mizuhata / Dept. of Radiotherapy, Kouseiren Takaoka Hosp.**ROP 20-2** Long-Term Results of Salvage High-Dose-Rate Brachytherapy for Local Recurrence of Prostate Cancer after Definitive Radiotherapy
Kenta Watanabe / Dept. of Radiology, Kawasaki Medical Sch.**ROP 20-3** Treatment Outcomes and Late Toxicities of Intensity-Modulated Radiotherapy for Patients with Localized Prostate Cancer
Kei Nagasaki / Dept. of Radiation Oncology, NHO Shikoku Cancer Center**ROP 20-4** Long-term Safety of IMRT for Prostate Cancer with History of Prior Invasive Interventions to Prostate or Bladder.
Koichi Kato / Dept. of Radiation Oncology and Image-Applied Therapy, Kyoto Univ. Hosp.

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

Nuclear Medicine Head and Neck / ChestKoji Murakami
Yoko Satoh**ROP 21-1** Evaluation of High-Resolution Semiconductor PET/CT in Breast Cancer Extent Diagnosis: Comparison with MRI
Akina Miyamoto / Dept. of Radiology, Shimane Univ. Hosp.**ROP 21-2** Value of Dynamic FDG PET/CT to Differentiate Focal Pelvic Uptake in Patients with Gynecological Cancer.
Sachimi Yamada / Dept. of Radiology, Kyoto Prefectural Univ. of Medicine**ROP 21-3** ¹⁸F-FDG-PET/CT SUV-Related Parameters for Predicting the Prognosis of Patients with Parotid Gland Carcinoma
Masatoyo Nakajo / Dept. of Radiology, Kagoshima Univ.**ROP 21-4** Correlation between PD-L1 Expression and FDG-PET/CT Visual Assessment in Non-Small Cell Lung Cancer Resected Specimens
Miki Nishimori / Dept. of Radiology, Kochi Univ.**ROP 21-5** Nasal Mucosa FDG Accumulation in Intravascular Large B-Cell Lymphoma: A Multicenter Study
Shiro Watanabe / Dept. of Diagnostic Imaging, Hokkaido Univ.

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

Chest 2 (Infection / Interstitial Pneumonia)Kazuto Ashizawa
Takeshi Johkoh**ROP 22-1** Computed Tomography Diagnostic Findings between Fibrotic Hypersensitivity Pneumonitis and Idiopathic Pulmonary Fibrosis
Hiromitsu Sumikawa / Dept. of Radiology, Kinki-Chuo Chest Medical Center**ROP 22-2** Radiological Features of Pulmonary Cryptococcosis
Riku Morita / Dept. of Radiology, Kagawa Univ. School of Medicine**ROP 22-3** Incidental Thoracic Findings on Abdominal MR Imaging
Kaori Nakayama / Dept. of Diagnostic Radiology, Yamanashi Prefectural Central Hosp.**★ROP 22-4** Association of Chest Radiograph Score Severity with Neurological Manifestations in COVID-19 Disease
Thurl C. Cledera / Institute of Radiology, St. Luke's Medical Center Global City**★ROP 22-5** CT Diagnosis of Covid-19 Around the World
Delgermaa Demchig / Intermed Hosp.

16:10-17:10 (313+314)

Cardiovascular 2 (CT, X-ray)Ryoichi Tanaka
Kenichi Yokoyama**ROP 23-1** Characteristics and Imaging Findings of Spontaneous Isolated Celiac Artery Dissection
Rika Yoshida / Dept. of Radiology, Shimane Univ.**★ROP 23-2** Evaluation of Pulmonary Regurgitation Using Dynamic Chest Radiography in Adult Congenital Heart Disease
Yuzo Yamasaki / Dept. of Clinical Radiology, Kyushu Univ.**ROP 23-3** Fast Manual Left Atrial Long-Axis Strain Assessment Using Cardiac Computed Tomography: Reproducibility in Inexperienced Observers
Takaaki Hosokawa / Dept. of Radiology, Ehime Univ.**ROP 23-4** Evaluation of Relationship between Effective Atomic Number Within Endoleak Area and Sac Shrinkage after Endovascular Aortic Repair
Sou Ueshima / Dept. of Radiology, Chiba Hokusoh Hosp, Nippon Medical Sch**ROP 23-5** Imaging Features of Wild-Type Transthyretin Amyloid Cardiomyopathy in the Portal Venous Phase of Conventional Contrast-Enhanced CT
Shinpei Yamaguchi / Dept. of Radiology, Kumamoto Univ.**★ROP 23-6** Analysis of Coronary Computed Tomography Angiography in Taiwan
Mei-Jen Li / Dept. of Medical Imaging and Intervention, Chang Gung Memorial Hosp.

17:20-18:00 (313+314)

Radiation Oncology Palliative Therapy / MetastasisShinji Sugahara
Masaharu Hata**ROP 24-1** Tapia Syndrome: A Rare Presentation of Mixed Cranial Nerve Palsies Responding to Palliative Radiation Therapy
Yojiro Ishikawa / Dept. of Radiation Oncology, Southern Tohoku Proton Therapy Center**ROP 24-2** Quality of Life Improvement after Radiotherapy for Bone Metastases: A Secondary Analysis of a Nation-Wide Multicenter Cohort Study
Nobuko Utsumi / Dept. of Radiation Oncology, Saitama Medical Center, Saitama Medical Univ.**ROP 24-3** Efficacy and Safety of Whole-Liver Radiotherapy for Multiple Liver Metastases
Masashi Taka / Dept. of Radiotherapy, Toyama Prefectural Central Hosp.

★ : English Presentation

ROP 24-4 Impact of Treatment Interventions on Survival in Patients with Brain Metastases at Initial Presentation
Yojiro Ishikawa / *Division of Radiology, Tohoku Medical and Pharmaceutical Univ.*

April 13 (Sat.)

8:20-9:20 (311+312)

Neuroradiology 1 (Dementia / Tumor) Kazunari Ishii
Masafumi Kanoto

ROP 25-1 Diffusion Time Dependence of the Apparent Diffusion Coefficient in Pituitary Adenoma: Comparisons with Normal Pituitary Glands
Kiyohisa KAMIMURA / *Dept. of Advanced Radiological Imaging, Kagoshima Univ.*

ROP 25-2 Serum Carotenoid Level is Associated with Enlarged Choroid Plexus and Perivascular Spaces on MRI: A Large Cohort Study.
Jusei Kudou / *Dept. of Radiology, Hirosaki Univ.*

ROP 25-3 Usefulness of Dual-Energy CT-Derived Effective Atomic Number for Differentiating High-grade Gliomas, Brain Metastases, and Central Nervous System Lymphomas
Tsubasa Nakano / *Dept. of Radiology, Kagoshima Univ.*

ROP 25-4 Effect of Deep Learning Reconstruction on Brain Computed Tomography Perfusion Images
Yoshiki Ishii / *Dept. of Radiology, Yamagata Univ.*

★ **ROP 25-5** Measurement of Hippocampal Subfield Volumes can Become a Useful Imaging Biomarker for Quantifying Neurodegenerative Changes in Mild Cognitive Impairment
Hiroto Takahashi / *Osaka Univ.*

★ **ROP 25-6** Fixel-Based Analysis of Patients with Alzheimer's Disease as Associated with Hypertension
Jiun-Jie Wang / *Dept. of Medical Imaging and Radiological Sciences, Chang Gung Univ.*

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

Neuroradiology 2 (AI / Photon Counting CT) Hitoshi Terada
Toshinori Hirai

ROP 26-1 AI-VISIBLE: Utility in the Diagnosis of Brain Metastases
Kazufumi Kikuchi / *Dept. of Molecular Imaging & Diagnosis, Kyushu Univ.*

ROP 26-2 Visualization of the Middle Meningeal Artery on Photon-Counting Detector CT: Comparison with EID-CT
Kazuhiisa Matsumoto / *Dept. of Radiology, Graduate Sch. of Medical Sciences, Nagoya City Univ.*

ROP 26-3 Photon-Counting Detector CT for Visualization of the Brachial Plexus Using Ultra-High-Resolution Mode
Masahiro Nakashima / *Dept. of Radiology, Nagoya City Univ.*

ROP 26-4 Brain Atrophic Changes in Multiple Sclerosis Assessed by AI-Based White Matter Lesion Analysis and Morphometry of MR Imaging Data
Kazuhiro Tsuchiya / *Dept. of Radiology, JR Tokyo Gen. Hosp.*

ROP 26-5 Development of an Automated Cerebral Aneurysm Detection AI on Bi-Plane Digital Subtraction Angiography
Taiga Kawaguchi / *Dept. of Radiology, Kurume Univ.*

ROP 26-6 Feasibility Study of Super Resolution Deep Learning Based Reconstruction Using K-Space Properties in 3D FLAIR Images for Glioma
Soichiro Ishiuchi / *Dept. of Radiology, Kumamoto Univ.*

11:20-11:40 (311+312)

Autopsy Imaging Yoshito Tsushima
Yusuke Inoue

ROP 27-1 Postmortem Contrast-Enhanced CT with Direct Large-Vessel Puncture
Hideki Hyodoh / *Drpt. of Forensic Medicine, Fukui Univ.*

★ **ROP 27-2** Use of Postmortem Computed Tomography in Identification of the Bodies: Our Current Situation and Challenges
Maiko Yoshida / *Dept. of Legal Medicine, Chiba Univ.*

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

Cardiovascular 3 (MRI) Atsushi Kono
Yasuo Amano

ROP 28-1 The Effect of Free-Breathing Cine Magnetic Resonance Cine MoCo on Feature Tracking Analysis
Kohei Tabo / *Dept. of Radiology, Ehime Univ.*

ROP 28-2 Preliminary Study of 4D Flow MR Imaging Estimation for Pulmonary Hypertension: An Analysis Based on the 2022 ESC/ERS Guideline
Toshihiro Sakamoto / *Dept. of Radiology, Univ. of Occupational and Environmental Health*

ROP 28-3 Image Analysis of the Characteristics of Thrombus in Abdominal Aortic Aneurysm after Stent Grafting
Teppei Nakagomi / *Dept. of Radiology, NMS*

ROP 28-4 Evaluation of Blood Flow Energy Loss before and after Endovascular Aneurysm Repair Using 4D Flow MRI
Shimpei Ikeda / *NMS Chiba Hokusoh Hosp.*

ROP 28-5 The Assessment of Dynamic Nuclear Polarized MRI for Radiation Therapy to Cardiac Arrhythmias
Masayuki Matsuo / *Dept. of Radiology, Gifu Univ.*

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

Interventional Radiology Experimental Ryohei Kuwatsuru
Terumitsu Hasebe

ROP 29-1 Investigation of Stability Improvement Factors and Creation Devices for Monoethanolamine Oleic Acid and Polidocanol Foams
Nobuyuki Higashino / *Dept. of Radiology, Wakayama Medical Univ.*

ROP 29-2 Investigation of the Optimal Preparation of the NBCA-Lipiodol-Lopamidol Mixture
Nobuyuki Higashino / *Dept. of Radiology, Wakayama Medical Univ.*

ROP 29-3 Development of New Optical Fiber to Reduce Bleeding after Core Needle Biopsy: Experimental Study in a Porcine Liver Model
Noriyuki Umakoshi / Dept. of Radiology, Okayama Univ.

ROP 29-4 Intravascular Ablation Device with BioMetal for Intrahepatic Portal Vein Ablation in Preliminary Study Using a Rabbit Model.
Fuyuki Nagano / Dept. of Radiology, Shiga Univ. of Medical Sci.

15:40-16:30 (311+312)

Interventional Radiology Liver Tetsuo Sonomura
Yoshitaka Inaba

ROP 30-1 Enhancing the Predictive Value of Transarterial Chemoembolization: An Examination of Gd-EOB-DTPA Uptake as a Distinctive Prognostic Factor in Hepatocellular Carcinoma Outcomes
Kenichiro Okumura / Dept. of Radiology, Kanazawa Univ.

ROP 30-2 Treatment Efficacy of Balloon-Occluded Alternate Infusions of Cisplatin and Gelatin Particles in TACE for HCC Beyond the Up-to-Seven Criteria
Sodai Hoshiai / Dept. of Radiology, Univ. of Tsukuba

ROP 30-3 Validity of the 7-11 Criteria in Transarterial Chemoembolization for Intermediate Stage HCC
Takeshi Matsumoto / Dept. of Radiology, Nara Univ.

ROP 30-4 Effects of Short-Term Lenvatinib Prior to TACE for Hepatocellular Carcinoma: Changes of Tumor Hemodynamics and Outcome of a Pilot Study
Tetsuya Tachiiri / Dept. of Diagnostic and Interventional Radiology, Nara Medical Univ

ROP 30-5 Urgent Transarterial Chemotherapy for Positive Palliation in Patients with Severe Liver Dysfunction Due to Colorectal Liver Metastases
Akihiko Seki / Dept. of Medical Oncology, Suita Tokushukai Hosp.

16:40-17:30 (311+312)

Nuclear Medicine Miscellaneous Shingo Baba
Ukhide Tateishi

ROP 31-1 Relationship between Activated Sites of Brown Adipose Tissue in FDG-PET/CT and Age
Yasuchiyo Toyama / Dept. of Radiology, Kyoto Prefectural Univ.

ROP 31-2 Comparison of Manual and Power Injector-Based Tracer Administration on Whole Body Positron Emission Tomography Angiography
Takafumi Obata / Dept of Radiology, Kagawa Univ.

★ **ROP 31-3** Evaluation of [¹⁸F]FAPI-74 PET Targeting Cancer-Associated Fibroblasts: Comparison with [¹⁸F] FDG-PET
Tadashi Watabe / Dept of Nuclear Medicine, Osaka Univ.

★ **ROP 31-4** The Curious Case of the Missing Limb on FDG PET Imaging
Wan Jiun Tay / Dept. of Nuclear Medicine & Molecular Imaging, Singapore General Hosp.

★ **ROP 31-5** Ga68-Exendin PET CT Scan in Hypoglycemia
Shrikant _V Solav / SPECTLAB Nuclear Medicine Services

17:40-18:10 (311+312)

Clinical Workflow / Education Tatsuya Gomi
Takahito Nakajima

ROP 32-1 Effectiveness of Education on Radiation Exposure for Medical Students Prior to Clinical Clerkship
Satoshi Yamauchi / Dept. of Radiology, Nara Medical Univ.

★ **ROP 32-2** Parental Leave and Shortened Working Hours Due to Child Rearing in Japanese Radiologists: Results of the 2023 JRS Survey
Tsuneo Yamashiro / Dept. of Radiology, Yokohama City Univ.

★ **ROP 32-3** Lean Management to Improve Workflow in the Division of MRI
Hideki Ota / Dept. of Diagnostic Radiology, Tohoku Univ. Hosp.

8:20-9:10 (313+314)

New Technologies in CT Shoko Abe
Eito Kozawa

ROP 33-1 Impact of Deep-Learning 3D Camera on Workflow and Patient Positioning: Preliminary Results
Akio Ito / Dept. of Radiology, Gifu Univ. Hosp

ROP 33-2 Initial Analysis of Data on the Volume of Contrast Media Discarded after the Use of a Centargo Contrast Injector
Tetsuya Minami / Dept. of Radiology, Kanazawa Med Univ.

ROP 33-3 Evaluation of Incidental Findings on Abdominopelvic Computed Tomography Using Photon-Counting Detector Computed Tomography Compared to Conventional Single-Energy Computed Tomography
Tamaki Ichikawa / Dept. of Radiology, Tokai Univ.

ROP 33-4 Photon-Counting Dinosaur CT: Initial Experience
Tasuku Wakabayashi / Dept. of Radiology, Fukui Univ.

ROP 33-5 Targeted Theranostic Nanomedicine, Using Targeted CT-Imageable Particles that Release the IMC-KRASG12D with the Krasg12D Neoantigen, Directed by Two-radiation Sessions.
Satoshi Harada / Dept. of Radiology, Iwate Med. Univ.

9:20-10:00 (313+314)

Uroradiology 2 (Kidney / Bladder) Yoshitomo Matsuo
Nagaaki Marugami

ROP 34-1 Differential Diagnosis of Kidney Tumors Using Dual Echo Time Diffusion-Weighted Imaging (Dual TE-DWI)
Akira Yamamoto / Dept. of Radiology, Kawasaki Med

ROP 34-2 Comparison of Image Quality and Diagnostic Accuracy for Muscle Invasive Bladder Cancer between SS-EPI DWI and MS-EPI DWI
Tsutomu Tamada / Dept. of Radiology, Kawasaki Medical School

ROP 34-3 A Preliminary Study on the Significance of Peritumoral Enhancement in the MRI Diagnosis of Muscle-Invasive Bladder Cancer
Mitsuru Takeuchi / Dept. of Radiology, Radiolonet Tokai

ROP 34-4 Preliminary Investigation of the Usefulness of the Golden-Angle Radial Sparse Parallel (GRASP) Method for Bladder MRI
Yoshiko Ueno / Dept. of Radiology, Kobe Univ.

★ : English Presentation

10:20-10:50 (313+314)

Obstetrics / Gynecology (Cervix / Placenta)Yoshimitsu Ohgiya
Takahiro Tsuboyama

ROP 35-1 The Current State of Diagnostic Accuracy in Preoperative Imaging Evaluations of Gastric-Type Endocervical Adenocarcinoma: A Multi-Center Study
Yuki Himoto / Dept. of Radiology, Kyoto Univ.

ROP 35-2 Placental Lacuna on Diffusion-Weighted Imaging: Useful Magnetic Resonance Imaging Finding for Diagnosing Placenta Accreta Spectrum
Yuko Iraha / Dept. of Radiology, Ryukyuu Univ.

ROP 35-3 Risk Stratification Based on Magnetic Resonance Imaging Findings for Pregnancies with Subamniotic/Subchorionic Hematoma
Kumi Harada / Dept. of Radiology, Kyoto Univ.

11:00-11:30 (313+314)

Emergency / Systemic DiseasesYasutaka Baba
Atsushi Jogo

ROP 36-1 Retrospective Study on the Significance of Computed Tomography Findings and Disease Severity in Adult Still's Disease
Keisuke Suzuki / Dept. of Radiology, Yamagata Univ.

ROP 36-2 Computed Tomography Findings of Japanese Spotted Fever: A Review of 17 Cases
Yoshiki Takahashi / Ehime Prefectural Central Hosp.

★ **ROP 36-3** Enhancing Acute Cervical Spine Injury Management: The Role of MRI Scanner Integration in Emergency Department Efficiency
Xuan-Ching Wang / Dept. of Medical Imaging and Intervention, Chang Gung Memorial Hosp., Linkou, Taiwan

13:10-13:50 (313+314)

Chest 3 (Function / Pathology)Kiminori Fujimoto
Takeshi Kubo

★ **ROP 37-1** Total Lung Volume Change for Early Inspiration on Dynamic-ventilation CT: Association with Degree of Breathlessness in Chronic Interstitial Pneumonia
Yukihiro Nagatani / Dept. of Radiology, SUMS

ROP 37-2 Differences in Lung Attenuation Gradients between Supine and Standing Positions in Healthy Volunteers on Conventional and Upright Computed Tomography
Fumiko Yagi / Dept. of Radiology, Keio Univ

ROP 37-3 Curvature Analysis of Hemidiaphragm Using Dynamic Chest Radiograph
Takuya Hino / Dept. of Clinical Radiology, Kyushu Univ.

ROP 37-4 Early and Total Expiratory Change of Central to Peripheral Airways Using Dynamic-Ventilation Computed Tomography: Influence of Airflow Limitation and Smoking
Ryo Uemura / Dept. of Radiology, Shiga Univ. of Medical Science

14:00-15:10 (313+314)

Hepatobiliary and Pancreas (Pancreas CT)Masatoshi Hori
Yoshiki Asayama

★ **ROP 38-1** Imaging and Clinicopathological Features of Intraductal Papillary Mucinous Neoplasms of the Pancreas Perforating Into Adjacent Organs
Kiyohito Yamamoto / Dept. of Radiology, Osaka Medical and Pharmaceutical Univ

ROP 38-2 Can Perfusion CT Help Diagnose Pancreatic Cancer with Main Pancreatic Duct Abnormalities but No Obvious Mass Detected on CT?
Yoshihiro Konno / Dept. of Radiology, Yamagata Univ.

ROP 38-3 Effects of Relative Evaluation of Perfusion CT Parameters to Pancreas and Spleen in Differentiating Pancreatic Cancer from Mass-Forming Pancreatitis
Yoshihiro Konno / Dept. of Radiology, Yamagata Univ.

ROP 38-4 Pancreatic Fibrosis Assessment Via CT Iodine Washout Rate and Its Relationship with Pancreatic Cancer: A Comparison with Extracellular Volume Fraction
Hideyuki Fukui / Dept. of Radiology, Osaka Univ.

★ **ROP 38-5** Preoperative CT Assessment of Portal Venous System Invasion in Pancreatic Ductal Adenocarcinoma after Neoadjuvant Therapy
Shingo Omata / Dept. of Radiology, Gifu Univ.

★ **ROP 38-6** Multi-Cohort Development and Validation Study of CT-Based Radiomics Deep Learning Signatures for Non-Functional Pancreatic Neuroendocrine Tumor Lymph Node Metastasis Prediction
WENCHAO GU / Dept. of Radiology, Tsukuba Univ

ROP 38-7 Assessment of Response to Chemotherapy in Pancreatic Cancer: Impact of Image Reconstruction Algorithm on Histogram Analysis of Iodine Concentration
Masashi Asano / Dept. of Radiology, Gifu Univ.

15:20-15:50 (313+314)

Basic Machine Learning & AI 1Shigeru Kiryu
Koichiro Yasaka

★ **ROP 39-1** Radiomic Approach to Diagnose Acute Cholangitis by Plain CT: Preliminary Results
Issei Fukuda / Dept. of Radiology, IUHW Narita Hosp.

ROP 39-2 Deep Learning-Based Computer-Aided Diagnosis to Detect Mediastinum or Hilar Lymph Nodes on Computed Tomography Images
Taku Takaishi / NCU Midori Hosp.

ROP 39-3 Deep Learning-based Diffusion Tensor Image Generation from Diffusion Weighted Image
Hiroyuki Tatekawa / Dept. of Radiology, Osaka Metropolitan Univ

16:20-17:00 (313+314)

Radiation Oncology Hepatobiliary / Pancreas / Gastro-intestinal Kumiko Karasawa
Keiko Shibuya

ROP 40-1 Interim Results: Feasibility Study of Peritoneal Catheter Placement and Radiotherapy with Saline Injection Via the Catheter for Abdominal or Pelvic Tumors
Tsuyoshi Onoe / *Radiation and Proton Therapy Center, Shizuoka Cancer Center*

ROP 40-2 Respiratory Phase Management by Real-Time Diaphragm Dome Registration in Stereotactic Radiotherapy for Liver Cancer
Atsuto Katano / *Dept. of Radiology, Tokyo Univ.*

ROP 40-3 Prediction for Gastrointestinal Toxicity in Patients with Pancreatic Cancer Treated with Concurrent Chemoradiotherapy
Fuki Koizumi / *Dept. of Radiation Oncology, Hokkaido Univ.*

ROP 40-4 Effect of a Radiation Sensitizer KORTUC on Rectal Fibrosis
Shiro Obata / *Dept. of Radiology and Radiotherapy, Nagasaki Prefecture Shimabara Hosp.*

17:10-17:40 (313+314)

Radiation Oncology Miscellaneous Hiromitsu Iwata
Rei Umezawa

ROP 41-1 Effects of Intravenous Contrast Agents on Dose Calculations of VMAT Plans for Brain Tumors and Head and Neck Cancer
Shinichiro Toyoshima / *Dept. of Radiation Oncology, Toyama Prefectural Central Hos.*

★ **ROP 41-2** Patients' Needs for Ultra-Hypofractionated Whole Breast Radiation Therapy for Early-Stage Breast Cancer: A Multi-Institutional Questionnaire Survey.
Haruka Uezono / *Dept. of Rad Onc, Hyogo CC*

ROP 41-3 Reduction of Reactive Oxygen Provides the Merit of FLASH Radiotherapy. Calculation and Interpretation Against Scepticism
Kazushi Kishi / *Dept of Radiotherapy, DMC*

April 14 (Sun.)

8:30-9:10 (311+312)

Radiation Oncology Urology & Pelvis 2 Masahiko Aoki
Takeshi Kodaira

ROP 42-1 Risk Factor of Rectal Bleeding for Localized Prostate Cancer after Radiation Therapy
Hidehiro Kumita / *Dept. of Radiology, Tokyo-med Univ Hachi*

ROP 42-2 Outcomes of Salvage Radiotherapy Using Volumetric Modulated Arc Therapy for Postoperative Prostate Cancer (Single-Institution Retrospective Study)
Keisuke Sakai / *Dept. of Radiation Oncology, KCH*

ROP 42-3 Possible Abscopal Effect Enhanced by Concomitant Radiotherapy During Nivolumab Treatment in Metastatic Renal Cell Carcinoma
Yukio Akagi / *Hiroshima Heiwa Clin., HPRC*

ROP 42-4 Reduction of Intra-Fractional Prostate Movement by Compression of the Pelvic Floor Muscles and the Placement of a Nelaton Catheter
Noriyoshi Takahashi / *Dept. of Radiation Oncology, Tohoku Univ.*

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

Radiation Oncology Respiratory Keiichi Jingu
Ryo Toya

ROP 43-1 Personalized Volumetric-Modulated Arc Therapy for Unresectable Stage III Non-Small Cell Lung Cancer
Shigetoshi Shimamoto / *Dept. of Radiation Oncology, OGMC*

ROP 43-2 Thoracic Vertebral Fractures after Accelerated Hyperfractionated Radiotherapy for Limited-Stage Small Cell Lung Cancer
Hiroki Ihara / *Dept. of Radiology, Okayama Univ.*

ROP 43-3 Treatment Outcomes of Stereotactic Body Radiotherapy for T1-2N0 Lung Cancer
Yasushi Hamamoto / *Dept. of Radiation Oncology, Shikoku Cancer Center*

ROP 43-4 Efficacy of Lung SBRT During DIBH: Deep Inspiration Breath-Hold Real-Time Tumor-Tracking Radiation Therapy (DIRT)
Hidekazu Tanaka / *Dept. of Radiation Oncology, Yamaguchi Univ.*

ROP 43-5 Clinical Outcome of Palliative Radiotherapy for Non-Oligometastatic Non-Small Cell Lung Cancer
Hajime Torizuka / *Dept. of Radiology, Japanese Red Cross Otsu Hosp.*

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

Basic Machine Learning & AI 2 Tomoyuki Noguchi
Masahiro Yakami

ROP 44-1 Manual Versus AI-Assisted RECIST Evaluations: A Comparative Analysis of Measurement Variability and Time in Liver Tumors
Koji Fujimoto / *Dept. of Radiology, Kyoto Univ.*

ROP 44-2 A Method for Estimating the Number of Diseases in the JMID: Utilization of Predicates and Application to a CT Reports
Yu Ohara / *Kyoto Prefectural Univ. of Medicine*

ROP 44-3 Manual Versus AI-Assisted Tumor Size Change Evaluations: A Comparative Analysis of Measurement Variability in Liver Tumors
Koji Fujimoto / *Dept. of Radiology, Kyoto Univ.*

ROP 44-4 Comparison of Pulmonary Nodule Detection between Inspiratory and Expiratory Chest Radiographs Using Artificial Intelligence
Mika Matsushita / *Dept. of Radiology, Kansai Medical Univ.*

ROP 44-5 Performance Evaluation of ChatGPT, GPT4, and Bard on the Official Board Examination of the Japan Radiology Society
Yoshitaka Toyama / *Dept. of Diagnostic Radiology, Tohoku Univ.*

ROP 44-6 Exploring the Potential of GPT-4-based ChatGPT in Interventional Radiology Reporting: A Structuring Approach
Fumi Sasaki / *Dept. of Diagnostic and Interventional Radiology, Osaka Metropolitan Univ.*

★ : English Presentation

ROP 44-7 Accuracy of TNM Classification of Pancreatic Cancer from Radiology Reports Using Large-Scale Language Models
Hiroki Yamada / Dept. of Radiology, Tokyo Woman's Medical Univ.

13:10-13:50 (311+312)

Chest 4 (AI, Radiomics, CAD) Masaki Matsusako
Osamu Honda

ROP 45-1 Radiologists Vs. AI-based Software: Predicting Lymphnode Metastasis and Overall Survival in Lung Cancer on CT with Varied Image Display Settings
Masahiro Yanagawa / Dept. of Radiology, Osaka Univ.

ROP 45-2 Comparing Cellularity of Fibrotic Diffuse Lung Disease by CT-Radiomics: Comparison of 512matrix and 1024matrix CT.

Akira Haga / Dept. of Radiology, Kanagawa Cardiovascular and Respiratory Center

ROP 45-3 Performance of a Computer-aided Detection (CAD) Software in Detecting Lung Nodules on Ultra-High-Resolution CT (U-HRCT) Using Different Slice Thicknesses

Wataru Fukumoto / Dept. of Diagnostic Radiology, Hiroshima Univ.

ROP 45-4 Artificial-Intelligence-Based CT Histogram Analysis: Differentiation of Radiologic UIP and NSIP Patterns and Correlation with Prognosis in Patients with Interstitial Pneumonia

Tomonori Chikasue / Dept. of Radiology, Kurume Univ.

14:20-15:00 (311+312)

Radiation Oncology Urology & Pelvis 3 Kayoko Tsujino
Keiji Nihei

ROP 46-1 Retrospective Study of Radiation Nephropathy Focusing on Function and Structure

Jiro Kondo / Dept of Radiology, Juntendo Univ. Urayasu Hosp.

ROP 46-2 Results of Stage Change and Treatment Outcomes According to the FIGO2018 Staging System in Definitive Radiotherapy for Cervical Cancer

Rumiko Kinoshita / Dept. of Radiation Oncology, Hokkaido Univ. Hosp.

ROP 46-3 Definitive Radiotherapy for Cervical Cancer in a Facility without Brachytherapy Equipment

Mayako Zaha / Radiation Therapy Center, Okinawa Chubu Hosp.

ROP 46-4 Outcome of Treatment at Our Hospital in Cases of Cervical Cancer with Para-Aortic Lymph Node Metastasis

Takeshi Maemura / Dept. of Radiology, The Univ. of Tokyo Hosp.

8:30-9:10 (313+314)

Breast (MRI 1) Hiroko Satake
Masako Kataoka

ROP 47-1 Utility of Ultrafast Dynamic Contrast-Enhanced MRI for Diagnosis of Breast Enhanced Lesions
Megumi Matsuda / Dept. of Radiology, Ehime Univ.

ROP 47-2 Comparison of Background Parenchymal Enhancement and Lesion Visibility in Ultrafast-MRI and Conventional Dynamic Contrast-Enhanced MRI
Rui Ebihara / Dept. of Radiology, Ehime Univ.

ROP 47-3 Background Parenchymal Enhancement in Ultrafast Dynamic Contrast-Enhanced MRI: Inter-Reader Agreement and Correlations with Prognostic Factors of Breast Cancer

Kanto Ichinohe / Dept. of Radiology, Saga Univ.

ROP 47-4 The Optimal Timepoint for Lesion Evaluation in Ultrafast Dynamic Contrast Magnetic Resonance Imaging: Correlation with Invasive Breast Cancer Subtype

Rena Sakaguchi / Dept. of Radiology, Kobe City General Hosp.

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

Breast (MRI 2) Mariko Goto
Tomoyuki Fujioka

ROP 48-1 The Imaging Features of Cases Requiring Further Examination in Non-Contrast Breast MRI Screening.
Leopoldo Taiyo Harada / Div. Breast Intervention Radiology

ROP 48-2 DCE- and DWI-Based Parameters at Interim MRI as a Tool for the Early Prediction of Neoadjuvant Systemic Therapy

Masako Kataoka / Diag. Imag. Nuc. Med., Kyoto Univ.

★ **ROP 48-3** Cardiac Function and Early Enhancement on DCE Breast MRI

Roka Matsubayashi / Breast Care Ctr., Clin. Res. Inst., NHO Kyushu Med. Ctr.

ROP 48-4 Evaluation of Detection for Breast Tumors Using MR Elastography with External Vibration from the Back—Additional Study

Emi Yamaga / Dept. of Radiology, TMDU Hosp.

★ **ROP 48-5** Fore Sighting Breast Malignancy with Diffusion Weighted and Dynamic Contrast Enhanced MRI

Ayush Gupta / Dept. of Radiology, SMS Medical College and Attached Hosp.s, Jaipur, India

10:20-11:00 (313+314)

Hepatobiliary and Pancreas (Pancreas MRI) Dai Inoue
Katsuhiko Sano

ROP 49-1 High-resolution Magnetic Resonance Imaging Sequences for the Pancreas Using Deep Learning Reconstruction

Yoshisuke Kadoya / Dept. of Diagnostic Radiology, Toyama Prefectural Central Hosp.

ROP 49-2 Differentiation of Autoimmune Pancreatitis from Pancreatic Ductal Adenocarcinoma Via Diffusion-Weighted MRI with Weighted Diffusion Subtraction.

Jun Woo / Dept. of Radiology, Jikei Univ. Dept of Radiology, Juntendo Univ.

ROP 49-3 Comparison of MR Imaging Findings in Intraductal Papillary Mucinous Neoplasm and Intraductal Papillary Mucinous Neoplasm with Concomitant Invasive Carcinoma

Akihiko Kanki / Dept. of Radiology, Kawasaki Med.

ROP 49-4 Diffusion-Weighted Imaging Using Echo Planar Imaging with Compressed SENSE (EPICS) for Pancreatic Protocol MRI: A Multicenter Study
Tetsuro Kaga / Dept. of Radiology, Gifu Univ

11:10-11:50 (313+314)

Musculoskeletal (Quantitative 2) Tsutomu Inaoka
Shoichiro Takao

ROP 50-1 Investigating the Diagnostic Potential of Patients with ATTR Cardiac Amyloidosis Using Joint Calcification and Thickening
Shiro Ishii / Dept. of Radiology, Fukushima Med Univ.

ROP 50-2 Effect of Contrast-Medium Administration on Computed Tomography Body Composition Analysis of Skeletal Muscle, Subcutaneous Adipose Tissue, and Visceral Adipose Tissue
Nobuhiko Akamatsu / Dept. of Radiology, Nerima Hikarigaoka Hosp.

★ **ROP 50-3** Radiology and Histopathology Finding in Ewing Sarcoma at Wahidin Sudirohusodo Hospital, Makassar, South Sulawesi, Indonesia
Widy Astuty / Dept. of Radiology, Faculty of Medicine Hasanudin Univ.

★ **ROP 50-4** Ultrasound in the Diagnosis of Carpal Tunnel Syndrome- Taking It One Step Forward!
Isha Gupta / Dept. of Radiology, RUHS College of Medical Sciences, Jaipur, India

13:10-13:50 (313+314)

Radiation Exposure and Image Quality
Ayako Taketomi-Takahashi
Mitsuo Nishizawa

ROP 51-1 Contrast-enhanced Abdominal CT with Super-Resolution Deep Learning Reconstruction Technique: Evaluation of Image Quality and Visibility of Anatomical Structures
Atsushi Nakamoto / Dept. of Radiology, Osaka Univ.

ROP 51-2 Effect of High-Tube Output X-ray Tube on CT Dose-Index Volume in Low kVp Contrast-Enhanced Chest-Abdomen-Pelvis CT
Nobuyuki Kawai / Dept. of Radiology, Gifu Univ.

ROP 51-3 Effects of Organ Dose Modulation on Radiation Dose in Thoraco-Abdominopelvic CT.
Saori Sekimoto / Dept. of Diagnostic Radiology, Kitasato Univ.

★ **ROP 51-4** Determination of Exposure Parameters and Comparison of Skin Radiation Dose for Abdominal Radiography Using Grid Like Software, Phantom Study.
Woranan Kirisattayakul / Dept. of Radiology, Faculty of Medicine, Khon Kaen Univ.

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

Neuroradiology 3 (Vascular) Toshi Abe
Mika Kitajima

ROP 52-1 Usefulness of Contrast Enhancement- Vessel Wall Imaging in Differentiating Neuropsychiatric Systemic Lupus Erythematosus from Non-Neuropsychiatric
Satoru Ide / Dept. of Radiology, Univ. of Occupational and Environmental Health

ROP 52-2 A Comparative Study on the Depiction of Lenticulostriate Arteries: Deep Learning Reconstruction Vs.Compressed SENSE in Brain TOF-MRA
Hiroto Takamura / Dept. of Radiology, Kumamoto Chuo Hp

ROP 52-3 Diurnal Stability of Diffusion Tensor Image Analysis along the Perivascular Space (DTI-ALPS) Index in Healthy Individuals
Daisuke Horiuchi / Dept. of Diagnostic and Interventional Radiology, Osaka Metropolitan Univ.

ROP 52-4 Can MRI Distinguish between Intraplaque Hemorrhage and Lipid-Containing Areas? Comparison of Carotid Endarterectomy Specimens and Ex Vivo MRI
Ayano Ishiyama / Dept. of Radiology, Nagasaki Univ.

★ **ROP 52-5** Pitfalls and Mimics of Leptomeningeal Disease and Enhancement in Routine MRI Brain Studies
John JX Quek / Dept. of Radiology, Sengkang General Hosp.

★ **ROP 52-6** Retrospective Analysis of Incidental Cerebral Aneurysms by MRA at Intermed Hospital
Chantsalsuren Galbaatar / Dept. of Radiology, Intermed Hosp. Mongolia

Electronic Presentation

Neuroradiology

- REP001** Demystifying the Brachial Plexus MRI: Simple Tips to Improve Reading Confidence
Jeffrey Fong / *Singapore General Hosp.*
- REP002** Early Biomarkers for the Progress from Subjective Cognitive Decline to Alzheimer's Disease
Xingxing Zhu / *Dept. of Radiology, Honghe Hani and Yi Autonomous Prefecture Third People's Hosp.*

Head and Neck

- REP003** Regenerating Congenital Head and Neck Mass in a Child
Mica Ela T Gomez / *Dr. Jose N. Rodriguez Memorial Hosp. And Sanitarium*
- REP004** Explore the Advantage of Deep Learning Reconstruction in Low Temporal Bone CT
Tianjiao Wang / *Dept. of Radiology, Peking Union Medical College Hosp.*
- REP005** Comparison of Helical and Volume Scan Mode with Same Radiation Dose in Head CTA: A Phantom Study with Clinical Patients
Min Zhang / *Dept. of Radiology, People's Hosp. Affiliated to Shandong First Medical Univ.*
- REP006** Research on the Application of CE-Boost Technology in Head and Neck CTA Imaging.
Na Na Ai / *JiNan City People's Hosp.*
- REP007** Diffusion Tensor Imaging in Preoperative and Postoperative Structural Changes of the Visual Pathway in Patients with Pituitary Tumors
Yawen Wang / *Yunnan Univ. Radiology Dept.*
- REP008** Case Report: A Case of Retinoblastoma in Adult
Ting Lang / *Dept. of Radiology, Univ. of Yunnan*

Chest

- REP009** Radiological Patterns of Viral Pneumonia: Approach and Review for Novices.
Francisco Esteban Dianderas Gutierrez / *Dept. of Radiology, Virgen del Rocio Univ. Hosp.*
- REP010** Diagnostic Value of Dual-input Computed Tomography Perfusion Parameters on Evaluating the Early Efficacy of Targeted Therapy for Lung Cancer.
Bonning Liu / *First College of Clinical Medical Science, China Three Gorges Univ.*
- REP011** Evaluation Value of Modified Left Atrial CTA before Left Atrial Appendage Occlusion Surgery
Jun Xing / *Dept. of Imaging, Chest Hosp. Affiliated to Shanghai Jiao Tong Univ. (China)*
- REP012** Study of 320-Row CT Dual-Energy CT in Bone Marrow Attenuation and Bone Metastasis after Chemotherapy for Lung Cancer
Yuanhao Wang / *Dept. of Radiology, Yichang Central Hosp., Yichang City, Hubei Province*

- REP013** Clinical Application of Four-Dimensional CT Respiratory Imaging in the Diagnosis of Tracheomalacia
Qianying He / *Dept. of Radiology, Central People's Hosp. of Yichang, Hubei Province*
- REP014** Application of Deep Learning in Interstitial Lung Disease in Prone Position CT Scanning
Ruijie Zhao / *Dept. of Radiology, Peking Union Medical College Hosp., Chinese Academy of Medical Sciences*
- REP015** Quantification of Lung Iodine Mapping Images with Subtraction CT: Assessment of the Severity of Acute Pulmonary Thromboembolism
Liu Xiaotong / *Dept. of Radiology, Beijing Hosp., National Center of Gerontology, Institute of Geriatric Medicine, Chinese Academy of Medical Sciences, Beijing, China.*
- REP016** Value of Chest Ultra-Low-Dose CT with Deep Learning Reconstruction for Lung Nodule Detectability and Measurement Accuracy
Jinhua Wang / *Dept. of Radiology, Peking Union Medical College Hosp.*
- REP017** HRCT Visual Scores and Quantitative Analysis of Pulmonary Langerhans Cell Histiocytosis in Adults and Correlation with Pulmonary Function
Jinhua Wang / *Dept. of Radiology, Peking Union Medical College Hosp.*
- REP018** Detecting Solid Pulmonary Nodules with 3D Ultrashort Echo Time Sequences at 1.5T MRI
Hongqu Wei / *Dept. of Radiology, The First Affiliated Hosp. of Guangxi Medical Univ.*
- REP019** Association of Chest X-Ray Findings of Covid-19 and Vaccination Status among Adult Patients in a COVID-19 Referral Hospital
Lendyll Mangaba / *Dr. Jose N. Rodriguez Memorial Hosp. and Sanitarium*
- REP020** The Total Cross Sectional Area of Small Pulmonary Vessels in COPD: Impact of Volume Coverage on Quantitative Analysis
Yanyan Xu / *Dept. of Radiology, China-Japan Friendship Hosp.*

Cardiovascular

- REP021** situs Ambiguous with Right Atrial Isomerism in a Three Years Old Boy
Fidella Sutjahjo / *Dept. of Radiology, Univ. of Hasanuddin*
- REP022** Utilizing Deep Learning-Based CT-Fractional Flow Reserve on Coronary Artery Disease Diagnosis and Treatment: 1-Year Clinical Application
Ziyu An / *Dept. of Cardiology, Beijing Anzhen Hosp., Capital Medical Univ., 100029, Beijing, China*
- REP023** Application and Value of VHP Technology in "One-Stop" CTA Scanning of Carotid and Coronary Arteries
Jun Xing / *Dept. of Imaging, Chest Hosp. Affiliated to Shanghai Jiao Tong Univ.*

Hepatobiliary and Pancreas

- REP024** Investigating the Improvement of Image Quality in Portal Vein Dual-Low CTV with CE-Boost Technique
Dandan Niu / Dept. of Radiology, The People Hosp. of Jinan City

Gastrointestinal

- REP025** The Value of CE-Boost Technique in Optimizing Blood Supply Vessels for Gastric Cancer
Min Zhang / Dept. of Radiology, People's Hosp. Affiliated to Shandong First Medical Univ.

Uroradiology

- REP026** The Application Value of Contrast Enhancement Boost Technique Combined with Renal Enhanced CT in Preoperative Evaluation of Renal Cancer
Yan Hui Zhai / Dept. of Imaging, Jinan City People Hosp.

Breast Imaging

- REP027** Metaplastic Breast Cancer Masquerading as a Recurrent Haematoma: A Case Report
Winfred Xi Tai Goh / MOH Holdings

Musculoskeletal

- REP028** Using Diffusion-Weighted and Chemical Shift Imaging in Differentiating Osteoporotic and Pathological Acute Vertebral Compression Fractures on MRI: A Radiological Approach.
Jing Yuan / Dept. of Radiology, Sengkang General Hosp.
- REP029** Soft Tissue Mycetoma: A Forgotten Fungal Disease
Theatania T. Yonathan / Dept. of Radiology, Faculty of Medicine Hasanuddin Univ.
- REP030** Review of Common Crystal Deposition Diseases
Hyo Jin Kim / Dept. of Radiology, SMG-SNU Boramae Medical Center

Pediatric Radiology

- REP031** To Explore the Feasibility of VHP Scan Mode in Aortic Angiography by Using 80 kV Voltage with 320-Detector-Row CT Scanner .
Xing Liu / Dept. of Radiology, Univ. of Zhengzhou, Henan Province, China
- REP032** To Investigate the Value of 80kv Combined with New IR Algorithm on Metal Artifacts Reducing in Children Thoracotomy Patients.
Xing Liu / Dept. of Radiology, Univ. of Zhengzhou, Henan Province, China

Whole Body

- REP033** To Explore the Clinical Value of New Iterative Reconstruction Algorithm Compound Mode on Vascular Small Branches Showing in Aortic Angiography.
Xing Liu / Dept. of Radiology, Univ. of Zhengzhou, Henan Province, China

Miscellaneous

- REP034** Impaired Lung Deformation During Expiration in COPD Using Four-Dimensional Dynamic Ventilation CT
Yanyan Xu / Dept. of Radiology, China-Japan Friendship Hosp.

IVR

- REP035** Risk and Protective Factors of Higher Grade Intrapulmonary Hemorrhage in Patients Undergoing Percutaneous CT Guided Microcoil Localization before VATS
Yanyan Xu / Dept. of Radiology, China-Japan Friendship Hosp.
- REP036** Hybrid Operations in Vascular Anomalies: A Case Series
Renata K. Mak / Dept. of Radiology and Imaging, Queen Elizabeth Hosp.

Basic Science/Other

- REP037** The Predictive Value of CT-FFR for Perioperative MACE in Stable CAD Patients Undergoing Lung Cancer Surgery
Zhao Ma / Dept. of Cardiology, Beijing Anzhen Hosp., Capital Medical Univ.

Product Exhibition Programs

- RPE001** Percutaneous Computed Tomography-Guided Interventions: Phantom Study Using a Mixed Reality Navigation System
Naoki Yoshioka / *Dept. of Radiology, Narita Hp., IUHW.*
- RPE002** Exhibition of Our Smartphone Application that Displays 3D Images as Augmented Reality: AR Puncture
Satoru Morita / *Dept. of Radiology, Tokyo Women's Medical Univ.*
- RPE003** Platform to Enable Clinical Evaluation of AI Algorithms Using Deep Learning
Soichiro Miki / *Dept. of Computational Diagnostic Radiology and Preventive Medicine, The Univ. of Tokyo Hosp.*