

I. Joint Sessions for Japan Radiology Congress

Opening Ceremony

- Opening Ceremony: April 15 (Fri.) 13:15-14:10 (National Convention Hall)
[Keynote Lecture]
 - Takamichi Murakami (Kobe Univ.)
The 81st Annual Meeting of the Japan Radiological Society (JRS)
 - Junji Shiraishi (Kumamoto Univ.)
The 78th Annual Meeting of the Japanese Society of Radiological Technology (JSRT)
 - Teiji Nishio (Osaka Univ.)
The 123rd Scientific Meeting of the Japan Society of Medical Physics (JSMP)
 - Akio Yamamoto (JIRA)
Japan Medical Imaging and Radiological Systems Industries Association (JIRA)

Honorary Member Award Ceremony

- Honorary Member Award Ceremony: April 15 (Fri.) 14:10-14:30 (National Convention Hall)
 - Moderator: Shigeki Aoki (Juntendo Univ.)
Takamichi Murakami (Kobe Univ.)
 - Hyo Keun Lim (Samsung Medical Center, Sungkyunkwan Univ. Sch. of Medicine, Korea)
 - Carlo Catalano (Sapienza Univ. of Rome, Italy)
 - Jay Paul Heiken (Mayo Clinic, USA)

Joint Special Lecture

- Joint Special Lecture: April 15 (Fri.) 14:30-15:15 (National Convention Hall)
 - Moderator: Takamichi Murakami (Kobe Univ.)
 - CSL. Making Dreams Come True – The Story behind 62 Consecutive Grand Slam Appearances
Ai Sugiyama (Sports Commentator, Former Professional Tennis Player)

Joint Symposium

- Joint Symposium 1: April 15 (Fri.) 16:15-18:15 (National Convention Hall)
[The Post-pandemic World - A Key for the paradigm shift]
 - Moderator: Masahiro Jinzaki (Keio Univ.)
Kazuo Awai (Hiroshima Univ.)
Satoshi Kutsuna (Osaka Univ.)
 - CSY1-1. COVID-19 Up-To-Date
 - CSY1-2. Trends and Changes in the Future of Radiology Akihiro Machitori (NCGM, Kohnodai Hosp.)
 - CSY1-3. Trends and Innovation in Radiological Technology Toward the Future Junji Shiraishi (Kumamoto Univ.)
 - CSY1-4. Smart Cyber Operating Theater (SCOT) Developing Into Remote Treatment
Yoshihiro Muragaki (FATS. TWU)
 - CSY1-5. The Role of the Airline Industry in the Pandemic and Expectations for the Post-pandemic
Takeaki Mori (Peach Aviation)
 - CSY1-6. Special Remarks Seishi Kumano (The House of Councilors)
- Joint Symposium 2: April 16 (Sat.) 9:30-11:30 (National Convention Hall)
[The Next Generation with MR-linac : The Quest for a New Era]
 - Moderator: Takao Ichida (Osaka Metropolitan Univ. Hosp.)
Daisaku Tatsumi (Miyakojima IGRT Clinic)
 - CSY2-1. Strategy for Introduction as the Hospital Administration Kazuto Hirata (Osaka Metropolitan Univ. Hosp.)
 - CSY2-2. Actions Toward the Establishment of the Guideline for MRI-guided Radiation Therapy
Hiroshi Igaki (National Cancer Center Hosp.)
 - CSY2-3. “Visualization”, a Paradigm Shift in Image Guidance Takashi Uno (Chiba Univ.)
 - CSY2-4. To Improve Radiotherapy (2) - not Use Wasted Bullets - Keiichi Jingu (Tohoku Univ.)
 - CSY2-5. To Improve Radiotherapy-Next Challenge to the Most Lethal Malignancies-
Keiko Shibuya (Osaka Metropolitan Univ.)
 - CSY2-6. From Radiological Technology and Medical Physics Perspectives
Daisaku Tatsumi (Miyakojima IGRT Clinic)
 - CSY2-7. Experience of the Introduction of MR-Linac -MR-RT Operating and Linac Version Installing at National
Cancer Center Hospital- Tatsuya Sakasai (National Cancer Center Hosp.)
 - CSY2-8. Experience of the Introduction of MR-Linac -Role Evolution of Royal Marsden Team in United Kingdom-
Trina Herbert (Royal Marsden NHS Foundation Trust)

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- Joint Symposium 3: April 16 (Sat.) 13:30-15:30 (National Convention Hall)

「Transformation of Radiation Therapy Technology - Signpost to the Future」

Moderator: Masayori Ishikawa (Hokkaido Univ.)
Akihiro Haga (Tokushima Univ.)

- CSY3-1. Expectations for Clinical Application of FLASH Therapy
Hiromitsu Iwata (Nagoya Proton Therapy Center, Nagoya City Univ. West Medical Center)
- CSY3-2. Verification of the Treatment Effectiveness of FLASH Radiotherapy
Satoshi Kodaira (QST)
- CSY3-3. Radiology for Near-infrared Photoimmunotherapy
Takeshi Soyama (Kushiro City General Hosp.)
- CSY3-4. Development of Comprehensive and High-accuracy System for Photo-immunotherapy
Masayori Ishikawa (Hokkaido Univ.)
- CSY3-5. Current Status and Future Needs for Improving the Dosimetry System Applicable to Targeted Radionuclide Therapy
Tatsuhiko Sato (Osaka Univ., Research Center for Nuclear Physics)
- CSY3-6. Radiation Biology in the Targeted Alpha-radionuclide Therapy
Tetsuya Sakashita (QST, Takasaki Advanced Radiation Research Institute)

JRS·JSRT·JSMP Joint Project Hands-on Seminar

- Hands-on Seminar 1: April 15 (Fri.) 8:30-11:30 (315)
April 16 (Sat.) 8:30-11:30 (315)
April 16 (Sat.) 13:30-16:30 (315)

「Postmortem Image Interpretation Workshop」

General Manager: Kohsuke Kudo (Hokkaido Univ.)
Instructor, Coordinator: Hideki Hyodoh (Hokkaido Univ.)
Taisuke Harada (Hokkaido Univ.)
Naoya Takahashi (Niigata Univ.)
Yohsuke Makino (Tokyo Univ.)
Tomonori Murakami (Nagasaki Univ.)

- CHS1-1. Normal Postmortem Image Changes (Lecture)
- CHS1-2. Image Interpretation (Hands on)
- CHS1-3. Forensic Postmortem Image Findings (Lecture)
- CHS1-4. Image Interpretation (Hands on)

- Hands-on Seminar 2: April 14 (Thu.) 13:30-16:30 (315)
April 15 (Fri.) 15:30-18:30 (315)

「Dosimetry for Targeted Isotope Therapy」

- CHS2-1. Basics of MIRD Formalism Used in Targeted Radionuclide Therapy
Tetsuya Sakashita (QST, Takasaki Advanced Radiation Research Institute)
- CHS2-2. Demonstration of Computational Dosimetry for Nuclear Medicine Based on RT-PHITS and PARADIM
Tatsuhiko Sato (Osaka Univ., Research Center for Nuclear Physics)
- CHS2-3. Global Trends on Targeted Radionuclide Therapy
Kohshin Washiyama (Advanced Clinical Research Center, Fukushima Medical Univ.)
- CHS2-4. Dosimetry Practice from Nuclear Medicine Imaging
Naoyuki Ukon (Advanced Clinical Research Center, Fukushima Medical Univ.)

Joint Members Ceremony

- Joint Members Ceremony: April 17 (Sun.) 13:15-13:50 (National Convention Hall)

Closing Ceremony

- Closing Ceremony: May 16 (Mon.) 16:00-17:00 (Web)

II. JRS Activities

Special Lecture

- Special Lecture: April 15 (Fri.) 15:30-16:00 (National Convention Hall)

RSL.	Lessons about Personnel Development from Hakone Ekiden - A Better Organization Creates Better Human Resources	Moderator: Takamichi Murakami (Kobe Univ.) Susumu Hara (Aoyama Gakuin Univ.)
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Honorary Invited Lecture

- Honorary Invited Lecture: April 16 (Sat.) 16:00-17:30 (National Convention Hall)

RHI-1.	Multidisciplinary Approach in the Management of HCC Hyo Keun Lim (Samsung Medical Center, Sungkyunkwan Univ. Sch. of Medicine, Korea)	Moderator: Shigeki Aoki (Juntendo Univ.) Takamichi Murakami (Kobe Univ.)
RHI-2.	Network Analysis Integrating Omics Data with MRI Biomarkers in Oncology Carlo Catalano (Sapienza Univ. of Rome, Italy)	
RHI-3.	Borderline Resectable and Locally Advanced Pancreatic Cancer: Role of FDG PET/MRI in Assessing Response to Neoadjuvant Therapy and Predicting Survival Jay Paul Heiken (Mayo Clinic, USA)	

International Communication Session

- International Communication Session 1: April 15 (Fri.) 8:00-9:40 (302)

[RSNA/ARRS/ESR]		Moderator: Nagara Tamaki (Kyoto Prefectural Univ. of Medicine) Shinji Naganawa (Nagoya Univ.) Satoshi Minoshima (Univ. of Utah, USA)
RIC1-1.	RSNA Update and JRS Collaboration	
RIC1-2.	The Value of Cancer Precision Imaging Umar Mahmood (Massachusetts General Hosp./Harvard Medical Sch., USA)	
RIC1-3.	AI Bias and Fairness: Why Big Data is Unfair	George Shih (Weill Cornell Medicine, USA)
RIC1-4.	Teleradiology in USA	Manjiri K. Dighe (Univ. of Washington, USA)
RIC1-5.	ESR and Outlook to ECR 2022	Regina Beets-Tan (The Netherlands Cancer Institute, Netherlands)

- International Communication Session 2: April 15 (Fri.) 17:45-19:05 (301)

[Neuroradiology]		Moderator: Toshinori Hirai (Kumamoto Univ.) Kumiko Ando (Kobe City Medical Center Genearl Hosp.)
RIC2-1.	Intracranial Vessel Wall MRI Seung Chai Jung (Univ. of Ulsan Col. of Medicine, Asan Medical Center, Korea)	
RIC2-2.	Dementia and Brain Volumes – What the Radiologist Needs to Know Chan Ling Ling (Singapore General Hosp., Singapore)	
RIC2-3.	Neuroradiology (Demyelination/Multiple Sclerosis) Renata Conforti (Univ. of Campania “Luigi Vanvitelli”-Napoli, Italy)	
RIC2-4.	Skull-base Imaging	Leonardo Lopes de Macedo (CEDIMAGEM / ALLIAR – JUIZ DE FORA - BRASIL)

- International Communication Session 3: April 16 (Sat.) 18:25-19:45 (302)

[Chest]		Moderator: Yoshiharu Ohno (Fujita Health Univ.) Kazuto Ashizawa (Nagasaki Univ.)
RIC3-1.	Pitfalls in Lung Cancer Imaging Constance de Margerie-Mellon (Univ. de Paris - Hôsp. Saint-Louis APHP, France)	
RIC3-2.	Imaging of the Pulmonary Infections: Current Situation and Future Perspectives Sukru Mehmet Erturk (Istanbul Univ. Sch. of Medicine, Turkey)	
RIC3-3.	Interstitial Lung Abnormalities and Interstitial Lung Disease Kum Ju Chae (Jeonbuk National Univ. Hosp., Korea)	
RIC3-4.	Image Approach for Patients Presented with Acute Dyspnea in Emergency Yeun-Chung Chang (National Taiwan Univ. Hosp. and National Taiwan Univ. Col. of Medicine, Taiwan)	

- International Communication Session 4: April 15 (Fri.) 18:25-19:25 (302)
 「TRS-JRS Joint Symposium: Musculoskeletal Imaging and Intervention」 Moderator: Masataka Uetani (Nagasaki Univ.)
 Hajime Fujimoto (Chiba Univ. Hosp.)
 Asako Yamamoto (Teikyo Univ.)
- RIC4-1. Imaging of the Spinal Tumor Mimickers
- RIC4-2. Explore CT Guided Bone Tumor Ablation: Taiwan's Experience
 Hung-Ta Hondar Wu (Taipei Veterans General Hosp., Taiwan)
- RIC4-3. ¹⁸F-FDG PET/MR in Chronic Lower Back Pain/Sciatica in Native and Post-surgery Spine: Case Sharing and
 Mini-review of the Current Literature
 Yi-Chih Hsu (National Defense Medical Center, Tri-Service Medical Center, Taiwan)

JRS Liver Forum

- JRS Liver Forum 1: April 15 (Fri.) 8:00-10:20 (301)
 Moderator: Satoshi Goshima (Hamamatsu Univ. Sch. of Medicine)
 Bachir Taouli (Icahn Sch. of Medicine at Mount Sinai, USA)
- RLF1-1. Quantitative Imaging Biomarkers for Diffuse Liver Disease Mustafa Shadi Rifaat Bashir (Duke Univ., USA)
- RLF1-2. MR Elastography of Chronic Liver Disease: State-of-the-Art and Beyond
 Richard L. Ehman (Mayo Clinic, USA)
- RLF1-3. Effect of Burst-releasing Mn²⁺-ions from Manganese Nanoparticles in the Liver: Rediscovery of Manganese
 MR Contrast Agent Won Jae Lee (Samsung Medical Center, Sungkyunkwan Univ. Sch. of Medicine, Korea)
- RLF1-4. Liver MR Imaging Technique Satoshi Goshima (Hamamatsu Univ. Sch. of Medicine)
- RLF1-5. How to Solve Challenging Cases using Gadoteric Acid-Enhanced Liver Magnetic Resonance Imaging:
 Atypical Hepatocellular Carcinoma and Its Mimickers Jeong Min Lee (Seoul National Univ. Hosp., Korea)
- RLF1-6. LI-RADS Current Status and Future Directions Claude B. Sirlin (UC San Diego, USA)
- RLF1-7. Abbreviated MRI for HCC Screening Bachir Taouli (Icahn Sch. of Medicine at Mount Sinai, USA)

- JRS Liver Forum 2: April 16 (Sat.) 9:30-11:30 (301)
 Moderator: Osamu Matsui (Kanazawa Univ.)
 Byung Ihn Choi (Chung-Ang Univ. Hosp., Korea)
- RLF2-1. Pathological Features and Classification of Tumor Microenvironment of HCC
 Michiie Sakamoto (Keio Univ.)
- RLF2-2. Tumor Microenvironment after Transarterial Chemoembolization Keitaro Sofue (Kobe Univ.)
- RLF2-3. Gd-EOB-DTPA-enhanced MRI as an Imaging Biomarker of Hepatocellular Carcinoma
 Azusa Kitao (Kanazawa Univ.)
- RLF2-4. Therapeutic Response Prediction after Local Interventional Treatment of HCC using CT or MRI
 Jung Hoon Kim (Seoul National Univ. Col. of Medicine, Seoul National Univ. Hosp., Korea)
- RLF2-5. Systemic Therapy for HCC Masatoshi Kudo (Kindai Univ.)
- RLF2-6. US Examination for the Diagnosis of HCC Byung Ihn Choi (Chung-Ang Univ. Hosp., Korea)

- JRS Liver Forum 3: April 16 (Sat.) 15:05-17:25 (301)
 Moderator: Kengo Yoshimitsu (Fukuoka Univ.)
 Luigi Grazioli (Civic and University Hospital - Brescia -, Italy)
- RLF3-1. MRI Phenotypes of Atypical HCC Cher Heng Tan (Tan Tock Seng Hosp., Singapore)
- RLF3-2. Liver Imaging Andrea Laghi (Sapienza Univ. of Rome, Italy)
- RLF3-3. Characterizing Tumor Biology Transformation of Chirrotic Nodules using Imaging Modalities
 Luigi Grazioli (Civic and University Hospital - Brescia -, Italy)
- RLF3-4. Artificial Intelligence (AI) in Liver Imaging Koichiro Yasaka (Univ. of Tokyo Hosp.)
- RLF3-5. Clinical Applications of Radiomics in Liver Imaging Bin Song (West China Hosp., Sichuan Univ., China)
- RLF3-6. Developments of Surgical Treatments for Hepatocellular Carcinoma Kiyoshi Hasegawa (Univ. of Tokyo)
- RLF3-7. Gadoteric-enhanced MRI - from Where It Started and Where It is Now
 Christoph J. Zech (Univ. Hosp. Basel, Switzerland)

Symposium

- Symposium 1: April 15 (Fri.) 8:00-9:00 (303)
[Paradigm Shift Caused by Photon Counting CT] Moderator: Atsushi Kono (Kobe Univ.)
Takeshi Nakaura (Kumamoto Univ.)
 - RSY1-1. Photon-counting Detector CT: Principles, Algorithms, and Clinical Applications
Shuai Leng (Mayo Clinic, USA)
 - RSY1-2. Development of Photon Counting Detector CT Yasuhiro Imai (GE Healthcare Japan)
 - RSY1-3. Photon Counting CT: Advantages Over Conventional CT
Katsuyuki Taguchi (The Johns Hopkins Univ. Sch. of Medicine, USA)

- Symposium 2: April 15 (Fri.) 10:10-11:20 (302)
[Recent Issues in Imaging of Uterine Diseases] Moderator: Aki Kido (Kyoto Univ. Hosp.)
Yumiko Tanaka(Oishi) (Cancer Institute Hosp. of JFCR)
 - RSY2-1. Emerging Molecular Imaging for Management of Uterine Malignancy
Gigin Lin (Chang Gung Memorial Hosp. and Chang Gung Univ., Taiwan)
 - RSY2-2. Recent Advances in MRI Technology for the Uterus Takahiro Tsuboyama (Osaka Univ.)
 - RSY2-3. Current Status of Radiomics in Gynecologic Oncology Yuki Himoto (Kyoto Univ.)

- Symposium 3: April 15 (Fri.) 9:30-11:30 (303)
[Current Topics of Head and Neck Cancer] Moderator: Norimitsu Tanaka (Kurume Univ.)
Yasuo Ejima (Dokkyo Medical Univ. Hosp.)
 - RSY3-1. Diagnostic Imaging of Head and Neck Cancers Related to Treatment Akira Baba (Univ. of Michigan)
 - RSY3-2. The Role of Surgery in the Treatment of Head and Neck Cancer Hirotaka Shinomiya (Kobe Univ.)
 - RSY3-3. Intra-arterial Chemoradiotherapy for Head and Neck Cancer Daisuke Yoshida (Sapporo Yamanoue Hosp.)
 - RSY3-4. Preliminary Results of Boron Neutron Capture Therapy for Head and Neck Cancers
Keiji Nihei (Osaka Medical and Pharmaceutical Univ.)
 - RSY3-5. Near Infrared Photoimmunotherapy for Head and Neck Cancers and Beyond
Hisataka Kobayashi (NCI/NIH, USA)

- Symposium 4: April 15 (Fri.) 16:15-17:15 (301)
[No Time to Wait! The Advent of the Telemedicine Era] Moderator: Yoshitomo Matsuo (Esite Healthcare)
Hirotoshi Ito (Kajiicho Medical Imaging Center)
 - RSY4-1. Social Hospital -Healthcare System Beyond Telemedicine- Tomohiro Kuroda (Kyoto Univ.)
 - RSY4-2. Telemedicine, Doctor to Patient Takashi Hasegawa (Japan Telemedicine Society)
 - RSY4-3. Digital Transformation of Hyogo Prefectural Hospitals: Introduction of Online Diagnostic Imaging Networks
Takeyuki Kushima (Awaji Medical Center)

- Symposium 5: April 15 (Fri.) 16:15-17:55 (302)
[The New Era for Theranostics of the Neuroendocrine Tumor has Opened in Japan!] Moderator: Seigo Kinuya (Kanazawa Univ.)
Yuji Nakamoto (Kyoto Univ.)
 - RSY5-1. NET Theranostics Damian Wild (Univ. Hosp. Basel, Switerland)
 - RSY5-2. Lutetium-177 DOTATATE Therapy; a New Radio-Theranostic Tool in Japan
Shoko Takano (Yokohama City Univ.)
 - RSY5-3. Imaging Findings of Pancreatic Neuroendocrine Neoplasms
Shintaro Ichikawa (Hamamatsu Univ. Sch. of Medicine)
 - RSY5-4. Systemic Therapy for Neuroendocrine Neoplasms Masafumi Ikeda (NCCHE)
 - RSY5-5. Multidisciplinary Treatment Strategies Centered on Surgery for NEN
Atsushi Kudo (Tokyo Medical and Dental Univ. Hosp.)

- Symposium 6: April 15 (Fri.) 16:15-17:55 (303)
 「The Future of Oncologic Intervention」
 Moderator: Koichiro Yamakado (Hyogo Col. of Medicine)
 Takao Hiraki (Okayama Univ.)
 - RSY6-1. Positioning of Transcatheter Therapies for HCC in the MTA/ICI Era
 Hideyuki Nishiofuku (Nara Medical Univ.)
 - RSY6-2. Interventional Radiology for Renal Tumor
 Rika Yoshimatsu (Kochi Univ.)
 - RSY6-3. Interventional Radiology Procedure for Malignant Lung Tumors
 Takaaki Hasegawa (Aichi Cancer Center)
 - RSY6-4. Role and Indication of Interventional Radiology for Bone and Soft Tissue Tumors
 Yasunori Arai (NCCH East)
 - RSY6-5. Liver Intervention: a German Perspective
 Marcus Katoh (Helios Hosp. Krefeld, Germany)

- Symposium 7: April 15 (Fri.) 18:25-19:25 (303)
 「Radiotherapy for Fatal Ventricular Arrhythmia」
 Moderator: Etsuo Kunieda (Tokyo General Hosp.)
 Koichiro Yoshioka (Tokai Univ.)
 - RSY7-1. Current Understanding and Future Direction of Noninvasive Radio-Ablation for Complexed Cardiac Tachy-
 Arrhythmias
 Kazutaka Aonuma (Univ. of Tsukuba)
 - RSY7-2. SRAT(Stereotactic Radio-regulation as Anti-arrhythmic, Therapy) is a Brand-New Concept of Radiotherapy
 for Fatal Ventricular Tachycardia
 Etsuo Kunieda (Tokyo General Hosp.)
 - RSY7-3. Basic Study of Ventricular Tachycardia Radiotherapy using Heavy Ion in Animal Models
 Mari Amino (Tokai Univ./QST)
 - RSY7-4. Treatment Plan of Stereotactic Irradiation for Ventricular Tachycardia
 Shigeto Kabuki (Tokai Univ.)

- Symposium 8: April 16 (Sat.) 8:20-9:40 (302)
 「Simultaneous PET/MR: The Innovative Technology Opens a New Era of Diagnostic Imaging」
 Moderator: Hidehiko Okazawa (Univ. of Fukui)
 Hiroshi Ito (Fukushima Medical Univ.)
 - RSY8-1. PET/MR: How It Started and How It can Improve Patient Care
 Mehdi Khalighi (Stanford Univ., USA)
 - RSY8-2. Add-on PET: a Future Technology to Upgrade Existing MRI to PET/MRI
 Taiga Yamaya (QST)
 - RSY8-3. PET/MRI in Neuroimaging
 Yasutaka Fushimi (Kyoto Univ.)
 - RSY8-4. Integrated and Simultaneous PET/MRI: a Key for the Paradigm Shift in the Hybrid Imaging
 Munenobu Nogami (Kobe Univ. Hosp.)

- Symposium 9: April 16 (Sat.) 9:00-10:00 (303)
 「Interventional Radiology for Postpartum Hemorrhage and Placenta Accreta」
 Moderator: Keigo Osuga (Osaka Medical and Pharmaceutical Univ.)
 Fumikiyo Ganaha (Okinawa Prefectural Nanbu Medical Center)
 - RSY9-1. Therapeutic Strategies for Postpartum Hemorrhage and Placenta Accreta Spectrum
 Kenji Tanimura (Kobe Univ.)
 - RSY9-2. CT and MR Imaging of Postpartum Hemorrhage and Placenta Accreta Spectrum
 Yuko Iraha (Okinawa Daiichi Hosp.)
 - RSY9-3. Interventional Radiology for Post-partum Hemorrhage; Technical Approach Appropriate to Etiology
 Reiko Woodhams (Kitasato Univ.)
 - RSY9-4. Management of Prophylactic Aortic Balloon Occlusion in Patients with Placenta Accreta Spectrum
 Hiroyuki Tokue (Gunma Univ.)

- Symposium 10: April 16 (Sat.) 10:10-11:30 (302)
 「Present and Future Perspectives of Space-making Radiation Therapy」
 Moderator: Ryohei Sasaki (Kobe Univ.)
 Hiroshi Onishi (Univ. of Yamanashi)
 - RSY10-1. Development of Space Making Particle Therapy and Bioabsorbable Spacer
 Takumi Fukumoto (Kobe Univ.)
 - RSY10-2. Space-making Radiation Therapy for Pediatric Tumor
 Hiromitsu Iwata (Nagoya City Univ. West Medical Center)
 - RSY10-3. Space-making Particle Therapy for Patients with Gastrointestinal Cancer
 Shigeru Yamada (QST Hosp.)
 - RSY10-4. Present and Future Perspectives of Space-making Radiation Therapy
 Robert C. Miller (Univ. of Tennessee / Mayo Clinic, USA)

- Symposium 11: April 16 (Sat.) 10:30-11:30 (303)
 [Radiation Protection for Medical Staff in Interventional Radiology]
 Moderator: Masaaki Akahane (International Univ. of Health and Welfare)
 Hiroshi Kondo (Teikyo Univ.)
 RSY11-1. Status and Issues of Radiation Exposure to a Physician Who Involves in Interventional Radiology
 Takashi Moritake (NIRS, QST)
 RSY11-2. Efforts to Reduce Radiation Exposure to Operators - Non-Vascular IVR -
 Taku Yasumoto (Miyakojima IGRT Clinic)
 RSY11-3. How to Reduce Radiation Exposure - Vascular IVR
 Atsushi Komemushi (Kansai Medical Univ.)

- Symposium 12: April 16 (Sat.) 13:15-14:35 (301)
 [Role of Imaging Diagnosis for the Early Detection of Pancreatic Cancer]
 Moderator: Toshifumi Gabata (Kanazawa Univ.)
 Keitaro Sofue (Kobe Univ.)
 RSY12-1. Role of Endoscopy for the Diagnosis of Early Pancreatic Cancer
 Atsuhiko Masuda (Kobe Univ.)
 RSY12-2. Dual-Energy CT for Detecting Small Pancreatic Cancer
 Yoshifumi Noda (Gifu Univ.)
 RSY12-3. MRI for Detecting Early Pancreatic Cancer
 Yoshihiko Fukukura (Kagoshima Univ.)
 RSY12-4. Imaging Features of Early Pancreas Cancer
 Dai Inoue (Kanazawa Univ.)

- Symposium 13: April 16 (Sat.) 13:15-14:15 (302)
 [Perspectives on the Application of Artificial Intelligence to Diagnostic Imaging]
 Moderator: Shoji Kido (Osaka Univ.)
 Masatoshi Hori (Kobe Univ.)
 RSY13-1. Artificial Intelligence in Abdominal Imaging
 Takeyuki Watadani (Tokyo Univ.)
 RSY13-2. AI for Diagnostic Imaging of Chest
 Mizuho Nishio (Kobe Univ.)
 RSY13-3. Advanced Image AI Research Applicable to Medical Imaging.
 Akihiko Wada (Juntendo Univ.)

- Symposium 14: April 16 (Sat.) 13:15-14:35 (303)
 [Effort to Improve Long-term Outcome for Vascular IVR]
 Moderator: Shingo Kakeda (Hirosaki Univ.)
 Masato Yamaguchi (Kobe Univ. Hosp.)
 RSY14-1. Current Evidence and Treatment Strategy in FP-PAOD Lesions
 Shigeo Ichihashi (Nara Medical Univ.)
 RSY14-2. Current Practice to Improve the Long-term Outcome of EVAR
 Tomoyuki Gentsu (Kobe Univ.)
 RSY14-3. Improvement of Outcome of Embolization for Pulmonary Arteriovenous Malformations
 Masashi Shimohira (Nagoya City Univ.)
 RSY14-4. Treatment of Visceral Artery Aneurysm
 Masanori Inoue (Keio Univ.)

- Symposium 15: April 16 (Sat.) 14:45-15:45 (302)
 [History, Status, and Challenges of Artificial Intelligence in Diagnostic Imaging: Situations Around the World]
 Moderator: Kenji Suzuki (Tokyo Institute of Technology)
 Norio Nakata (The Jikei Univ.)
 RSY15-1. History, Status, and Challenges of Artificial Intelligence in Diagnostic Imaging in Europe
 Bram van Ginneken (Radboud Univ. Medical Center, Netherlands)
 RSY15-2. AI-aided Medical Image Diagnosis in the United States
 Kenji Suzuki (Tokyo Institute of Technology)
 RSY15-3. AI for Diagnostic Imaging in Japan
 Masahiro Hashimoto (Keio Univ.)

- Symposium 16: April 16 (Sat.) 15:05-16:25 (303)
 [Diagnostic Imaging and Endovascular Therapy for Aortic Dissection: Current Topics and Future Perspectives]
 Moderator: Norio Hongo (Oita Univ.)
 Hiroshi Nishimaki (St. Marianna Univ.)
 RSY16-1. CT Diagnosis of Aortic Dissection in the Era of Endovascular Treatment
 Eijun Sueyoshi (Nagasaki Univ.)
 RSY16-2. Understanding Aortic Dissection with Flow: Present and Future
 Satoshi Higuchi (Tohoku Univ. Hosp.)
 RSY16-3. Endovascular Treatment for Aortic Dissection: Its Current Position in Japan
 Hiroki Horinouchi (National Cerebral and Cardiovascular Center)
 RSY16-4. The Role of Radiologist in the Management of Aortic Dissection in 2022 : Diagnostic Challenges and
 Interventional Skills for the Endovascular Treatment
 Marco Midulla (Centre Hosp. Univ. de Dijon, France)

- Symposium 17: April 16 (Sat.) 16:15-17:55 (302)
 「Biomarkers for Diagnosis and Treatment of Alzheimer Disease」 Moderator: Kazunari Ishii (Kindai Univ.)
 Takashi Kato (National Center for Geriatrics and Gerontology)
 RSY17-1. CSF and Blood-based Biomarkers for Alzheimer's Disease
 Akinori Nakamura (National Center for Geriatrics and Gerontology)
 RSY17-2. Neuroimaging Diagnostic Strategy of Alzheimer Disease and Other Dementias: Comparison with Background
 Pathology Aya Midori Tokumaru (Tokyo Metropolitan Geriatric Hosp. and Institute of Gerontology)
 RSY17-3. Imaging Biomarkers for AD Alexander Drzezga (Univ. Hosp. of Cologne, Germany)
 RSY17-4. Biomarkers and Alzheimer's Disease Treatment: the Current Status in the USA
 Satoshi Minoshima (Univ. of Utah, USA)

- Symposium 18: April 16 (Sat.) 16:55-17:55 (303)
 「Update on Diffusion-weighted MRI」 Moderator: Masatoshi Hori (Kobe Univ.)
 RSY18-1. Update on Diffusion MRI Denis Le Bihan (NeuroSpin, France)
 RSY18-2. Advanced Diffusion MRI Masaaki Hori (Toho Univ.)

- Symposium 19: April 16 (Sat.) 18:25-19:45 (303)
 「Cardio-oncology: Cardiovascular Risk Management in Cancer Survivors」 Moderator: Tetsuya Fukuda (National Cerebral and Cardiovascular Center)
 Hiromi Hashimura (Kobe Univ. Hosp.)
 RSY19-1. Current Status of Management for Chemotherapy-related Subclinical Cardiac Dysfunction in Breast Cancer
 Patients in Japan Koichiro Sugimura (International Univ. of Health and Welfare, Narita Hosp.)
 RSY19-2. Role of Imaging for Cardio-oncology Hideki Ota (Tohoku Univ.)
 RSY19-3. Imaging of Cardiac Tumors and Masses Jörg Barkhausen (Univ. Hosp. Schleswig-Holstein, Germany)
 RSY19-4. 3D Printing of Congenital Heart Disease, from Modeling to Clinical Practice
 Whal Lee (Seoul National Univ. Hosp., Korea)

- Symposium 20: April 17 (Sun.) 8:10-9:30 (301)
 「Update on the Diagnosis and Management of Renal Cell Carcinoma」 Moderator: Masahiro Jinzaki (Keio Univ.)
 Yoshimitsu Ohgiya (Showa Univ.)
 RSY20-1. Treatment of Renal Cell Carcinoma: Current Status and Future Direction Junya Furukawa (Kobe Univ.)
 RSY20-2. The New Concept of Renal Cell Carcinoma Based on the 2022 WHO Classification and the General Rule 5th
 Edition. Toyonori Tsuzuki (Aichi Medical Univ.)
 RSY20-3. Diagnosing a Mass Lesion in the Kidney that Shows Atypical Imaging Findings
 Akira Yamamoto (Kawasaki Medical Sch.)
 RSY20-4. What the Radiologists Needs to Know for the Recent Advances in Renal Cancer Treatment
 Satoru Takahashi (Takatsuki General Hosp.)

- Symposium 21: April 17 (Sun.) 9:00-10:00 (303)
 「High Precision Radiotherapy and Radioisotope Therapy in Palliation」 Moderator: Katsumasa Nakamura (Hamamatsu Univ. Sch. of Medicine)
 Daisuke Miyawaki (Kobe Univ. Hosp.)
 RSY21-1. Role of Palliative Radiotherapy in Palliative Care
 Takeo Takahashi (Saitama Medical Center, Saitama Medical Univ.)
 RSY21-2. High-precision Palliative Radiotherapy Hiroshi Mayahara (Kobe Minimally-invasive Cancer Center)
 RSY21-3. The Role of Radioisotope Therapy in Palliative Treatment Kana Kobayashi (Kobe Univ.)

- Symposium 22: April 17 (Sun.) 10:00-11:30 (301)
 「What's New in Imaging of Prostate Cancer?」 Moderator: Tsutomu Tamada (Kawasaki Medical Sch.)
 Hiroshi Shinmoto (National Defense Medical Col.)
 RSY22-1. PI-RADS V2.1 and TRUS/MRI Fusion Biopsy
 Chan Kyo Kim (Samsung Medical Center, Sungkyunkwan Univ. Sch. of Medicine, Korea)
 RSY22-2. Imaging of Prostate Cancer: Recent Topics on Multiparametric MRI and Biparametric MRI
 Yoshiko Ueno (Kobe Univ.)
 RSY22-3. Characteristics of MRI-invisible Prostate Cancers Atsushi Nakamoto (Osaka Univ.)
 RSY22-4. Amazing Detection Power of PSMA-PET and Its Clinical Utility in Prostate Cancer
 Tadashi Watabe (Osaka Univ.)

· Symposium 23: April 17 (Sun.) 10:30-11:30 (302)

[Role and Current Status of Diagnostic Imaging in the Age of Genomic Medicine]

Moderator: Mitsuru Matsuki (Jichi Children's Medical Center Tochigi)

Akio Tsukabe (Toyonaka Municipal Hosp.)

RSY23-1. Radiologic Imaging Linkage with Glioma Genotype Toshinori Hirai (Kumamoto Univ.)

RSY23-2. CT Imaging for Gene Prediction in Lung Cancer Masahiro Yanagawa (Osaka Univ.)

RSY23-3. The Current Status of Diagnostic Imaging Based on Genome Based Molecular Classification of Hepatocellular Carcinoma and Hepatocellular Adenoma Norihide Yoneda (Kanazawa Univ. Hosp.)

· Symposium 24: April 17 (Sun.) 10:30-11:30 (303)

[Immuno-radiotherapy for NSCLC and Related Radiologic Features]

Moderator: Yoshiyuki Shioyama (Ion Beam Therapy Center, SAGA HIMAT Foundation)

Takeaki Ishihara (Kobe Univ.)

RSY24-1. Immuno-radiotherapy for Locally Advanced Non-small Cell Lung Cancers -Can Intensity Modulated Radiation Therapy be Applied? - Masayuki Fujiwara (Hyogo Col. of Medicine)

RSY24-2. Immunotherapy for Non-small-cell Lung Cancer (NSCLC)- Focusing on Immuno-radiotherapy - Motoko Tachihara (Kobe Univ.)

RSY24-3. Current Status of Radiation Therapy for Early Stage Non-small Cell Lung Cancer and Functional Lung Imaging for Treatment Planning Tomoki Kimura (Kochi Univ.)

Image Interpretation Session

· Image Interpretation Session: April 16 (Sat.) 18:00-20:00 (National Convention Hall)

Moderator: Mitsuru Matsuki (Jichi Children's Medical Center Tochigi)

Taro Shimono (Osaka Metropolitan Univ.)

Question Master: Yuko Matsukubo (Kindai Univ.)

Aiko Gobara (Shimane Univ.)

Haruyuki Takaki (Hyogo Col. of Medicine)

Akira Nishiyama (Chiba Univ. Hosp.)

Kensuke Inamura (Dokkyo Medical Univ.)

Discussor: Daisuke Yunaiyama (Tokyo Medical Univ.)

Taku Gomi (The Jikei Univ.)

Mizuki Ozawa (National Cancer Center Hosp.)

Shuichi Ito (Kyoto Univ.)

Fumiko Yagi (Keio Univ.)

Special Program

· Special Program 1: April 17 (Sun.) 8:30-10:00 (302)

[Joint Session of JRS and JCR, Committee of Diversity and Inclusion 'Diversity, Other Departments and Overseas']

Moderator: Yuji Murakami (Hiroshima Univ.)

Miyuki Sone (National Cancer Center Hosp.)

Panelist: Harushi Mori (Jichi Medical Univ.)

Mariko Kawamura (Nagoya Univ.)

RSP1-1. Diversity Initiatives of Japan Radiological Society Noriko Aida (Kanagawa Children's Medical Center)

RSP1-2. Towards the Realization of Diversity-Conscious Cardiovascular Medicine Yayoi Tsukada-Tetsuo (Nippon Medical Sch.)

RSP1-3. Diversity and Inclusion: From the Point of View of a Woman Radiologist in the United States Mizuki Nishino (Dana-Farber Cancer Institute and Brigham and Women's Hosp., USA)

- Special Program 2: April 17 (Sun.) 14:00-16:00 (302)
 「The Road to Implementation of Digital Transformation in Medicine」
 Moderator: Satoshi Goshima (Hamamatsu Univ. Sch. of Medicine)
 Mototaka Miyake (National Cancer Center Hosp.)
 - RSP2-1. The Reality, Depth, and Future of Artificial Intelligence Medical Applications
 Hitoshi Tabuchi (Hiroshima Univ.)
 - RSP2-2. System Design and Operation of Digital Pathology Toward DX
 Takayuki Shiomi (International Univ. of Health and Welfare)
 - RSP2-3. The Future Perspective of Digital Transformation for Surgical Treatment
 Masaaki Ito (National Cancer Center Hosp. East)

- Special Program 3: April 16 (Sat.) 10:30-11:30 (F205+206)
 「Hospital-based Management of Artificial Intelligence for Diagnostic Imaging (Administrator Training)」
 Moderator: Shigeki Aoki (Juntendo Univ.)
 - RSP3-1. Impact of the Medical Reimbursement Revision and Guidelines for Management of Artificial Intelligence in Diagnostic Imaging
 Akihiro Machitori (KCGM, Kohnodai Hosp.)
 - RSP3-2. Recent Updates for Artificial Intelligence Software in Diagnostic Imaging
 Mototaka Miyake (National Cancer Center Hosp.)

Resident Seminar

- Resident Seminar 1: April 16 (Sat.) 14:30-16:30 (Main Hall)
 「Interventional Radiology and Radiation Oncology」
 Moderator: Daisuke Abo (Hokkaido Univ. Hosp.)
 Takashi Mizowaki (Kyoto Univ.)
 Masanori Inoue (Keio Univ.)
 - RRS1-1. Vascular Intervention (Embolization)
 - RRS1-2. Non-vascular IVR for Residents: Basics of Image-Guided Puncture Procedure
 Taku Yasumoto (Miyakojima IGRT Clinic)
 - RRS1-3. External Beam Radiation Therapy for Bone Metastases
 Hikaru Kubota (Kobe Univ.)
 - RRS1-4. Radiation Therapy for Lung Cancer
 Tomoki Kimura (Kochi Univ.)

- Resident Seminar 2: April 17 (Sun.) 14:00-16:00 (301)
 「Diagnostic Radiology」
 Moderator: Reiichi Ishikura (Kobe City Medical Center General Hosp.)
 Reiko Woodhams (Kitasato Univ.)
 - RRS2-1. Diagnostic Imaging of the Central Nervous System: a Case Study
 Taisuke Harada (Hokkaido Univ. Hosp.)
 - RRS2-2. Basic Chest Imaging
 Hisanobu Koyama (Osaka Police Hosp.)
 - RRS2-3. Diagnostic Imaging in Gastrointestinal Emergencies
 Kumi Ozaki (Fukui Univ.)
 - RRS2-4. Pearls of the CT Interpretation: What Residents Really Need to Know Thorough Uro-radiology Cases.
 Mitsuru Takeuchi (Radiolonet Tokai)

Educational Lecture

- Educational Lecture 1: April 14 (Thu.) 13:00-14:00 (Main Hall)
 「Cardiac Radiology 1」
 Moderator: Yasutaka Ichikawa (Mie Univ. Hosp.)
 Satonori Tsuneta (Hokkaido Univ. Hosp.)
 Hiromi Hashimura (Kobe Univ. Hosp.)
 - REL1-1. The Basics of Cardiac CT for Ischemic Heart Disease
 - REL1-2. Cardiac MR Imaging of Ischemic Heart Disease

- Educational Lecture 2: April 14 (Thu.) 13:00-14:00 (301)
 「Genitourinary Radiology 1」
 Moderator: Hiroshi Shinmoto (National Defense Medical Col.)
 Hiromi Edo (National Defense Medical Col.)
 Yoshiko Ueno (Kobe Univ.)
 - REL2-1. Diagnostic Imaging of Patients with Renal Failure
 - REL2-2. Radiological Imaging in Renal Transplantation

- Educational Lecture 3: April 14 (Thu.) 13:00-14:00 (302)
 「Head and Neck Radiology 1」
 Moderator: Shingo Kakeda (Hirosaki Univ.)
 Misa Sumi (Nagasaki Univ.)
 Naoto Uyama (Takamatsu Red Cross Hosp.)
 - REL3-1. Diagnostic Imaging of Salivary Gland Tumors
 - REL3-2. Imaging of Non-neoplastic Etiology of Salivary Gland Disease

- Educational Lecture 4: April 14 (Thu.) 13:00-14:00 (303)
 [Radiation Oncology 1] Moderator: Masatoshi Hasegawa (Nara Medical Univ.)
 REL4-1. The Role of Stereotactic Body Radiotherapy for Hepatocellular Carcinoma: Toward One of the Standard
 Therapy Atsuya Takeda (Ofuna Chuo Hosp.)
 REL4-2. Radiotherapy for Pancreatic Cancer Makoto Shinoto (QST Hosp.)

- Educational Lecture 5: April 14 (Thu.) 14:20-15:20 (Main Hall)
 [Cardiac Radiology 2] Moderator: Michiko Tadokoro (Chikamori Hosp.)
 REL5-1. Basics of the Aortic Aneurysm Toru Sakuma (Jikei Univ.)
 REL5-2. Imaging of Aortic Dissection Eijun Sueyoshi (Nagasaki Univ.)

- Educational Lecture 6: April 14 (Thu.) 14:20-15:20 (301)
 [Genitourinary Radiology 2] Moderator: Satomi Kitai (Cancer Institute Hosp.)
 REL6-1. Diagnostic Imaging of Tumors of Uterine Corpus: Differentiation between Benign and Malignant Tumors
 Yuichiro Kanie (Okayama Univ. Hosp.)
 REL6-2. Differentiation between Malignant and Benign Tumors of the Uterus: Uterine Cervical Lesions
 Tsukasa Saida (Univ. of Tsukuba)

- Educational Lecture 7: April 14 (Thu.) 14:20-15:20 (302)
 [Head and Neck Radiology 2] Moderator: Hiroko Tanaka (Cancer Institute Hosp.)
 REL7-1. CT and MR Imaging of Thyroid Diseases Reiko Ideguchi (Nagasaki Univ.)
 REL7-2. Diagnostic Imaging of Thyroid Disease: Ultrasonography Hiroko Satake (Nagoya Univ.)

- Educational Lecture 8: April 14 (Thu.) 14:20-15:20 (303)
 [Radiation Oncology 2] Moderator: Tatsuya Ohno (Gunma Univ.)
 REL8-1. Radiotherapy for Cervical Cancer. Miho Watanabe (Chiba Univ.)

- Educational Lecture 9: April 14 (Thu.) 15:40-16:40 (Main Hall)
 [Interventional Radiology 1] Moderator: Terumitsu Hasebe (Tokai Univ.)
 REL9-1. New and Old Bronchial Artery Embolization, from Treatment Strategy to Actual Treatment
 Hitoshi Takeuchi (Fukujuji Hosp.)
 REL9-2. Pulmonary Arteriovenous Malformations: Embolization and Diagnosis of Patency
 Masashi Shimohira (Nagoya City Univ.)

- Educational Lecture 10: April 14 (Thu.) 15:40-16:40 (301)
 [Pediatric Radiology 1] Moderator: Rieko Furukawa (Jichi Children's Medical Center Tochigi)
 REL10-1. Diagnostic Imaging of Pediatric Abdominal Emergencies Yuki Saito (St. Marianna Univ.)
 REL10-2. Neuroradiological Diagnosis of Pediatric Emergency Disease: Focusing on Infectious Diseases and Acute
 Encephalopathy Kumiko Ando (Kobe City Medical Center General Hosp.)

- Educational Lecture 11: April 14 (Thu.) 15:40-16:40 (302)
 [Musculoskeletal Radiology 1] Moderator: Asako Yamamoto (Teikyo Univ.)
 REL11-1. Foot and Ankle Imaging: Injuries of Ligaments and Tendons Kaoru Kitsukawa (Chiba Univ.)
 REL11-2. Imaging of the Foot and Ankle: Fractures and Others So Ode (St. Marianna Univ.)

- Educational Lecture 12: April 14 (Thu.) 15:40-16:40 (303)
 [Radiation Oncology 3] Moderator: Michio Yoshimura (Kyoto Univ.)
 REL12-1. Radiotherapy for Nasopharyngeal Carcinoma Koichi Yasuda (Hokkaido Univ. Hosp.)

- Educational Lecture 13: April 14 (Thu.) 17:00-18:00 (Main Hall)
 [Interventional Radiology 2] Moderator: Keigo Osuga (Osaka Medical and Pharmaceutical Univ.)
 REL13-1. Diagnosis and Treatment of Peripheral AVM Masanori Inoue (Keio Univ.)
 REL13-2. Diagnosis and Treatment for Venous Malformation Rika Yoshimatsu (Kochi Univ.)

- Educational Lecture 14: April 14 (Thu.) 17:00-18:00 (301)
 「Pediatric Radiology 2」 Moderator: Taiki Nozaki (St.Luke's International Hosp.)
 REL14-1. Diagnostic Imaging of Neurocutaneous Syndromes or Phakomatoses Chihiro Tani (Hiroshima Univ. Hosp.)
 REL14-2. Imaging of Systemic Inflammatory Diseases in Children : Focused on Juvenile Idiopathic Arthritis and
 Kawasaki Disease Yuko Tsujioka (Tokyo Metropolitan Children's Medical Center)
- Educational Lecture 15: April 14 (Thu.) 17:00-18:00 (302)
 「Musculoskeletal Radiology 2」 Moderator: Hajime Fujimoto (Chiba Univ. Hosp.)
 REL15-1. Imaging of Osteonecrosis Waka Nakata (Jichi Children's Medical Center)
 REL15-2. Anatomic Variants of Skeletal System. Satoshi Tatsuno (Jikei Univ.)
- Educational Lecture 16: April 14 (Thu.) 17:00-18:00 (303)
 「Radiation Oncology 4」 Moderator: Shinji Sugahara (Tokyo Medical Univ., Ibaraki Medical Center)
 REL16-1. Radiotherapy for Lung Cancer Katsuyuki Shirai (Jichi Medical Univ. Hosp.)
- Educational Lecture 17: April 15 (Fri.) 8:00-9:00 (National Convention Hall)
 「[MOC Requirements] Medical Ethics」 Moderator: Takashi Yoshiura (Kagoshima Univ.)
 REL17-1. Hunan Research Regulations, Up to Date: Impact of the Revised Personal Information Protection Act
 Chieko Kurihara (Kanagawa Dental Univ.)
- Educational Lecture 18: April 15 (Fri.) 9:30-10:30 (National Convention Hall)
 「Infection Control」 Moderator: Koji Sugimoto (Kobe Univ.)
 REL18-1. COVID-19 Pandemic Yasuko Mori (Kobe Univ.)
- Educational Lecture 19: April 15 (Fri.) 8:00-9:00 (Main Hall)
 「Nuclear Medicine 1」 Moderator: Yuka Yamamoto (Kagawa Univ.)
 REL19-1. Clinical Utility of ¹⁸F-FDG PET/CT in Mediastinal Masses Mana Ishibashi (MNES Inc.)
 REL19-2. What Radiologists Need to Know about FDG-PET/CT in Lung Cancer Care
 Yumiko Kono (Kansai Medical Univ.)
- Educational Lecture 20: April 15 (Fri.) 9:15-10:15 (Main Hall)
 「Nuclear Medicine 2」 Moderator: Yuji Nakamoto (Kyoto Univ.)
 REL20-1. ¹⁷⁷Lu-DOTA TATE Junichi Tsuchiya (Tokyo Medical and Dental Univ.)
 REL20-2. I-131 MIBG Therapy for Patients with Pheochromocytoma and Paraganglioma
 Anri Inaki (Kanazawa Univ. Hosp.)
- Educational Lecture 21: April 15 (Fri.) 10:30-11:30 (Main Hall)
 「Nuclear Medicine 3」 Moderator: Tomohiro Kaneta (Tohoku Univ.)
 REL21-1. Practical Usage and Interpretation of Brain Perfusion SPECT in Neurodegenerative Disease
 Etsuko Imabayashi (QST)
 REL21-2. Quantitative Assessment of Cerebral Blood Flow SPECT. Yoshitaka Inui (Fujita Health Univ.)
- Educational Lecture 22: April 15 (Fri.) 16:15-17:15 (Main Hall)
 「Chest Radiology 1」 Moderator: Takeshi Johkoh (Kansai Rosai Hosp.)
 REL22-1. Imaging Findings of Atypical Pneumonia Nobuyuki Tanaka (Yamaguchi-Ube Medical Center)
 REL22-2. Opportunistic Infections of the Lung Satoshi Kawakami (Shinshu Univ.)
- Educational Lecture 23: April 15 (Fri.) 17:30-18:30 (Main Hall)
 「Chest Radiology 2」 Moderator: Kazuto Ashizawa (Nagasaki Univ.)
 REL23-1. Imaging of Pulmonary Mycobacterial Infection Masuo Ujita (Tachikawa General Hosp.)
 REL23-2. Image Findings of Infectious Pulmonary Nodule/Mass Shuji Sakai (Tokyo Women's Medical Univ.)
- Educational Lecture 24: April 15 (Fri.) 18:45-19:45 (Main Hall)
 「Chest Radiology 3」 Moderator: Yuko Nishimoto (Nara Prefecture General Medical Center)
 REL24-1. Imaging Approach of Tracheal and Bronchial Neoplastic Lesions
 Masaki Matsusako (St. Luke's International Hosp.)
 REL24-2. Benign Lung Nodules that Need to be Differentiated from Lung Cancer Hiroyuki Ishikawa (Niigata Univ.)

- Educational Lecture 25: April 16 (Sat.) 8:00-9:00 (National Convention Hall)
 - 〔[MOC Requirements] Radiation Safety Protection 1〕 Moderator: Koichiro Yamakado (Hyogo Medical Univ.)
 - REL25-1. Radiation Protection in Interventional Radiology Masaaki Akahane (International Univ. of Health and Welfare)
 - REL25-2. Safe Use of Iodinated Contrast Media Seitaro Oda (Kumamoto Univ.)

- Educational Lecture 26: April 16 (Sat.) 8:00-9:00 (Main Hall)
 - 〔Neuroradiology 1〕 Moderator: Harushi Mori (Jichi Medical Univ.)
 - REL26-1. Sports-related Head Injuries Haruo Nakayama (Toho Univ. Ohashi Hosp.)
 - REL26-2. Chronic Traumatic Encephalopathy Akira Kunimatsu (International Univ. of Health and Welfare, Mita Hosp.)

- Educational Lecture 27: April 16 (Sat.) 9:15-10:15 (Main Hall)
 - 〔Neuroradiology 2〕 Moderator: Reiichi Ishikura (Kobe City Medical Center General Hosp.)
 - REL27-1. Imaging of Traumatic Intracranial Hemorrhage Minako Azuma (Miyazaki Univ.)
 - REL27-2. Traumatic Brain Injury Toshiaki Taoka (Nagoya Univ.)

- Educational Lecture 28: April 16 (Sat.) 10:30-11:30 (Main Hall)
 - 〔Neuroradiology 3〕 Moderator: Norimitsu Tanaka (Kurume Univ.)
 - REL28-1. Traumatic Vascular Injury of Head and Neck Region: What the Radiologist Should Know about Imaging Findings and Treatments Shuichi Tanoue (Kurume Univ.)
 - REL28-2. Pediatric Head and Neck Trauma Rieko Furukawa (Jichi Children's Medical Center)

- Educational Lecture 29: April 16 (Sat.) 13:15-14:15 (Main Hall)
 - 〔[MOC Requirements] Quality of Medical Care: Radiotherapy〕 Moderator: Katsuya Maebayashi (Nippon Medical Sch. Hosp.)
 - REL29-1. Quality of Medical Care: Radiotherapy Yoshinori Ito (Showa Univ.)

- Educational Lecture 30: April 16 (Sat.) 16:45-17:45 (Main Hall)
 - 〔Interventional Radiology 3〕 Moderator: Megumi Kinoshita (Japan Red Cross Kobe Hosp.)
 - REL30-1. Evolution and Development of TEVAR and EVAR in Endograft Era Yoshiaki Katada (Tokyo Medical Univ. Ibaraki Medical Center)
 - REL30-2. Diagnosis, Intervention, and Prevention for Endoleak after EVAR and TEVAR Tomoyuki Gentsu (Kobe Univ.)

- Educational Lecture 31: April 16 (Sat.) 17:45-18:45 (301)
 - 〔Breast Imaging 1〕 Moderator: Takayuki Yamada (St. Marina Univ. Yokohama Seibu Hosp.)
 - REL31-1. Tips for Reading Mammograms to Avoid Missing or Overlooking Hiroko Kawashima (Kanazawa Univ.)
 - REL31-2. Diagnosis of Breast Cancer by Ultrasonography from the Imaging of Vascular Architecture Naoko Mori (Tohoku Univ.)

- Educational Lecture 32: April 16 (Sat.) 19:05-20:05 (301)
 - 〔Breast Imaging 2〕 Moderator: Shuichi Monzawa (Shinko Hosp.)
 - REL32-1. Tips and Pitfalls in Interpretation of Breast MR Images Hiroyuki Abe (Univ. of Chicago)
 - REL32-2. FDG-PET/CT in Breast Cancer Yoshifumi Sugawara (NHO Shikoku Cancer Center)

- Educational Lecture 33: April 17 (Sun.) 8:00-9:00 (Main Hall)
 - 〔Gastrointestinal Radiology 1〕 Moderator: Satoko Ishigaki (Nagoya Univ.)
 - REL33-1. Imaging Diagnosis of Upper Gastrointestinal Tract Tumor Nobuyuki Shiraga (Toho Univ. Omori Hosp.)
 - REL33-2. Imaging of Small Bowel Disease Masanori Imuta (Kumamoto Univ. Hosp.)

- Educational Lecture 34: April 17 (Sun.) 9:15-10:15 (Main Hall)
 - 〔Gastrointestinal Radiology 2〕 Moderator: Satoshi Kobayashi (Kanazawa Univ.)
 - REL34-1. Role of Imaging in Colorectal Cancer Staging Shinichi Ota (Japanese Red Cross Nagahama Hosp.)
 - REL34-2. Imaging Diagnosis of Inflammatory Bowel Disease Yoshio Kitazume (Tokyo Medical and Dental Univ.)

- ・ Educational Lecture 35: April 17 (Sun.) 10:30-11:30 (Main Hall)
 「Gastrointestinal Radiology 3」
 REL35-1. Diagnostic Imaging of Abdominal Hernias
 REL35-2. The Current Situation of CT Colonography
 Moderator: Yasunari Fujinaga (Shinshu Univ.)
 Koichiro Morita (Saga-ken Medical Centre Koseikan)
 Shigeyoshi Kijima (Jichi Medical Univ.)
- ・ Educational Lecture 36: April 17 (Sun.) 14:00-15:00 (National Convention Hall)
 「[MOC Requirements] Radiation Safety Protection 2」
 REL36-1. Occupational Radiation Protection of Medical Staff
 REL36-2. Recent Findings in Radiation Epidemiology
 Moderator: Kazuo Awai (Hiroshima Univ.)
 Naoki Kunugita (Univ. of Occupational and Environmental Health)
 Kotaro Ozasa (Radiation Effects Research Foundation)
- ・ Educational Lecture 37: April 17 (Sun.) 14:00-15:00 (Main Hall)
 「[MOC Requirements] Quality of Medical Care: Diagnostic Imaging」
 REL37-1. Objectives and Practices of Standardization and Interoperability for Clinicians - Recognition, Undefined
 VNA, Etc.
 REL37-2. Medical Quality : Quality Control in Diagnostic Imaging
 Moderator: Osamu Abe (The Univ. of Tokyo)
 Hiroshi Kondoh (Tottori Univ. Hosp.)
 Masahiko Fujii (Kobe Minimally invasive Cancer Center)
- ・ Educational Lecture 38: April 17 (Sun.) 14:00-15:00 (303)
 「Radiation Oncology 5」
 REL38-1. Palliative Radiotherapy
 Moderator: Hisanori Ariga (Iwate Medical Univ.)
 Ryo Toya (Kumamoto Univ.)
- ・ Educational Lecture 39: April 17 (Sun.) 15:20-16:20 (303)
 「Radiation Oncology 6」
 REL39-1. Supportive Care for Toxicities Arising from Radiotherapy
 Moderator: Tomoki Kimura (Kochi Univ.)
 Sadamoto Zenda (National Cancer Center Hosp. East)

指導者講習会

- ・ 指導者講習会 1: April 16 (Sat.) 8:00-9:00 (301)
 「日本専門医機構と放射線科(1)」
 RLT1. 放射線科専門研修で満たすべき要件とサブスペシャリティ研修について Kei Takase (Tohoku Univ.)
- ・ 指導者講習会 2: April 17 (Sun.) 15:20-16:20 (Main Hall)
 「日本専門医機構と放射線科(2)」
 RLT2. 放射線科専門研修プログラム作成と更新について Yasushi Kaji (Dokkyo Medical Univ.)

Luncheon Seminar

- Luncheon Seminar 1: April 15 (Fri.) 12:00-12:50 (Main Hall)
「The World's First Photon-counting CT Redefines Computed Tomography」 Moderator: Hajime Sakuma (Mie Univ.)
1. Introduction of Photon-counting CT Philipp Wolber (Siemens Healthcare GmbH)
2. Initial Clinical Experience of NAEOTOM Alpha to Redefine CT Florian Schwarz (Univ. Hosp. Augsburg, Germany)
Sponsored by: Siemens Healthcare K.K.
- Luncheon Seminar 2: April 15 (Fri.) 12:00-12:50 (301)
「SYNAPSE SAI Viewer and AI Technology to Support Diagnostic Imaging Workflows」 Moderator: Shinji Naganawa (Nagoya Univ.)
1. Introducing the Latest Features of SYNAPSE SAI Viewer and Stroke Analysis AI Technology Atsushi Tachibana (FUJIFILM Corporation)
2. Efficiency of Lung Nodule Tracking Technology using U-Net Deep Learning Model and Expectations for AI Technology Shiro Onozawa (Kyorin Univ.)
3. Experience and Ingenuity of the Radiology Viewer and Reporting System that Supports for Enhancing the Efficiency of Image Diagnosis Taro Shimono (Osaka Metropolitan Univ.)
Sponsored by: FUJIFILM Medical Co., Ltd.
- Luncheon Seminar 3: April 15 (Fri.) 12:00-12:50 (302)
「New Possibilities with Philips CT/MR Innovative Solutions」 Moderator: Kohsuke Kudo (Hokkaido Univ.)
1. The Impact of Smartspeed – Redefining MR Imaging with Next Generation Compressed SENSE – Takashige Yoshida (Tokyo Metropolitan Police Hosp.)
2. Evolution of Spectral CT and Its Utilizing Techniques in Daily Clinical Practice Kazuhiro Katahira (Kumamoto Chuo Hosp.)
Sponsored by: Philips Japan, Ltd.
- Luncheon Seminar 4: April 15 (Fri.) 12:00-12:50 (303)
「Cutting Edge of Abdominal CT」 Moderator: Takamichi Murakami (Kobe Univ.)
1. Dynamic Contrast-Enhanced CT of the Abdomen – Appropriate Scan Timing – Yoshifumi Noda (Gifu Univ.)
2. Research Trends in CT-based Radiomics of the Liver Shintaro Ichikawa (Hamamatsu Univ. Sch. of Medicine)
Sponsored by: Fuji Pharma Co., Ltd.
- Luncheon Seminar 5: April 15 (Fri.) 12:00-12:50 (304)
「CT Imaging and Diagnostic in the Cardiovascular, Evolution and Possibilities」 Moderator: Noriko Oyama-Manabe (Jichi Medical Univ. Saitama Medical Center)
1. A New Challenge to Popularize Cardiac CT by Motion Correction, and Reconstruction Using AI Hideki Shibata (Toyota Kosei Hosp.)
2. A Lot of Potential of Cardiac Imaging as a Clinical Diagnostic Tool for Cardiologists Seiko Ide (Osaka Univ.)
Sponsored by: FUJIFILM Healthcare Corporation
- Luncheon Seminar 6: April 15 (Fri.) 12:00-12:50 (311+312)
「Changes in Daily Practice and Financial Aspects after the Installation of Radixact」 Moderator: Masayuki Matsuo (Gifu Univ.)
Yasuo Matsumoto (Niigata Cancer Center Hosp.)
Sponsored by: Accuray Japan K.K.
- Luncheon Seminar 7: April 15 (Fri.) 12:00-12:50 (313+314)
「New Value that "One Fujifilm" Brings to the Clinical Workflow」 Moderator: Keiichi Nakagawa (The Univ. of Tokyo)
1. Utilization of Radiotherapy Data in Clinical Practice – Towards One Team Treatment Takuyo Kozuka (Toranomon Hosp.)
2. Changes in Radiotherapy Workflow Brought about by Contouring Support Software Yohei Utena (Toranomon Hosp.)
Sponsored by: FUJIFILM Medical Solutions Corporation

- Luncheon Seminar 8: April 15 (Fri.) 12:00-12:50 (315)
 「Expectations for New Radionuclide Therapies」
 1. The meaning of 131I-MIBG Therapy for PPGL
 2. PRRT for Neuroendocrinetumor by 177Lu-DOTATATE
 Sponsored by: PDRadiopharma Inc.

Moderator: Kazuo Awai (Hiroshima Univ.)
 Tetsuya Higuchi (Gunma Univ.)
 Susumu Hijioka (National Cancer Center)

- Luncheon Seminar 9: April 15 (Fri.) 12:00-12:50 (413)
 「The Effectiveness of MRIdian Linac」
 1. The Effectiveness of MRIdian Linac from a Physician's Point of View
 2. The Effectiveness of MRIdian Linac from a Physicist's Point of View
 3. The Effectiveness of MRIdian Linac from a Radiotechnologist's Point of View
 Sponsored by: ITOCHU Corporation

Moderator: Shin-ei Noda (Saitama Medical Univ.)
 Hiroshi Igaki (National Cancer Center Hosp.)
 Takahito Chiba (National Cancer Center Hosp.)
 Tatsuya Sakasai (National Cancer Center Hosp.)

- Luncheon Seminar 10: April 15 (Fri.) 12:00-12:50 (F205+206)
 「The Expanding Potential of Canon MRI」
 1. Data-driven Decision Support in Diagnostic Radiology using Multi-parametric MRI
 2. State of the Art 1.5T & 3T MRI: Technical Innovation and Clinical Evidence
 Sponsored by: CANON MEDICAL SYSTEMS CORPORATION

Moderator: Hiroshi Oba (Teikyo Univ.)
 Shohei Fujita (Juntendo Univ. /The Univ. of Tokyo)
 Yoshiharu Ohno (Fujita Health Univ.)

- Luncheon Seminar 11: April 16 (Sat.) 12:00-12:50 (Main Hall)
 「A New Precision Medicine Era: AI leveraged by High Resolution CT Imaging」
 1. The Impact of High Resolution CT: Pre- and Postoperative Images and Imaging Anatomy
 2. Deep Learning Reconstruction for Abdominal CT Imaging – High Image Quality to Super Resolution –
 3. New Diagnostic Imaging for Pancreatic Cancer using High Resolution CT and AI
 Sponsored by: CANON MEDICAL SYSTEMS CORPORATION

Moderator: Noriko Oyama-Manabe (Jichi Medical Univ. Saitama Medical Center)
 Miho Gomyo (Kyorin Univ.)
 Yuko Nakamura (Hiroshima Univ.)
 Miyuki Sone (National Cancer Center Hosp.)

- Luncheon Seminar 12: April 16 (Sat.) 12:00-12:50 (301)
 1. Recent Topics of the Diagnosis of Hepatocellular Carcinoma by Gd-EOB-DTPA-enhanced MRI
 2. Liver Metastases – VALUE of EOB-MRI Revisited in 2022
 Sponsored by: Bayer Yakuhin, Ltd.

Moderator: Yasunari Fujinaga (Shinshu Univ. Sch. of Medicine)
 Azusa Kitao (Kanazawa Univ. Hosp.)
 Christoph J. Zech (Univ. Hosp. Basel, Switzerland)

- Luncheon Seminar 13: April 16 (Sat.) 12:00-12:50 (302)
 「Up-to-date MRI in Clinical」
 1. New MRI Technology that will Revolutionize in Clinical ~Abdominal Imaging~
 2. New MRI Technology that will Revolutionize in Clinical ~Neuro Imaging~
 Sponsored by: GE Healthcare Japan

Moderator: Osamu Abe (The Univ. of Tokyo)
 Tetsuro Sekine (Nippon Medical Sch. Musashikosugi Hosp.)
 Yoshiyuki Watanabe (Shiga Univ. of Medical Science)

- Luncheon Seminar 14: April 16 (Sat.) 12:00-12:50 (303)
 「Initial Process of Implementation and Clinical Operation of Elekta Unity in Tohoku University Hospital」
 1. Initial Experience of Using Elekta Unity in Tohoku University Hospital and Future Perspective
 2. Experience of Acceptance and Commissioning for Elekta Unity MR-Linac
 Sponsored by: Elekta K.K.

Moderator: Kengo Yoshimitsu (Fukuoka Univ.)
 Keiichi Jingu (Tohoku Univ.)
 Noriyuki Kadoya (Tohoku Univ.)

- Luncheon Seminar 15: April 16 (Sat.) 12:00-12:50 (304)
 [Key Points in Abdominal Diagnostic Imaging] Moderator: Takamichi Murakami (Kobe Univ.)
 1. Tips for Better Diagnosis of the Abdomen. Takeyuki Watadani (The Univ. of Tokyo)
 2. Effective Techniques in Abdominal Radiology Kazuhiko Ueda (Japanese Foundation for Cancer Research)
 Sponsored by: Guerbet Japan KK
- Luncheon Seminar 16: April 16 (Sat.) 12:00-12:50 (311+312)
 [Safety Management of MRI Contrast Agents, The Present and Future of Contrast Examination] Moderator: Yoshito Tsushima (Gunma Univ.)
 1. General Remarks: Risk Management of MRI Contrast Agents Yoshito Tsushima (Gunma Univ.)
 2. Cardiac MR Imaging with Contrast Agents : Tips in the Clinical Practice Hideki Ota (Tohoku Univ.)
 Sponsored by: GE Healthcare Pharma Limited
- Luncheon Seminar 17: April 16 (Sat.) 12:00-12:50 (313+314)
 [Clinical Application and Future Prospects of AI Software as a Medical Devices in a Image Diagnosis] Moderator: Kazunori Kubota (Dokkyo Medical Univ. Saitama Medical Center)
 1. Let's Handle the Cloud-based AI! Our Experience with AI-Rad Companion Chest CT Toshihide Yamaoka (Kyoto Katsura Hosp.)
 2. Clinical Application of "Brain Morphometry" – A Morphological Diagnosis Supporting AI Tool for Brain MRI – Kazuhiro Tsuchiya (JR Tokyo General Hosp.)
 Sponsored by: Siemens Healthcare K.K.
- Luncheon Seminar 18: April 16 (Sat.) 12:00-12:50 (315)
 [Future Prospects to be Pioneered by Philips CT/MR Innovative Solutions] Moderator: Akihiro Nishie (Univ. of the Ryukyus Hosp.)
 1. Philips CT Ensures a Smart Workflow with AI Solutions Kazuyuki Takauchi (Nagano Chuo Hosp.)
 2. The Merits of SmartSpeed MotionFree for Abdominal MRI Diagnosis Satoshi Goshima (Hamamatsu Univ. Sch. of Medicine)
 Sponsored by: Philips Japan, Ltd.
- Luncheon Seminar 19: April 16 (Sat.) 12:00-12:50 (413)
 [Paradigm Shift in Fluoroscopy System – AI's Ready and State of the Art Image Processing –] Moderator: Kazuki Sumiyama (The Jikei Univ.)
 1. New Features Suitable for Multipurpose Use – AI-powered Features, New Device Enhanced Image Processing, etc. – Masao Iinuma (Shimadzu Corporation)
 2. Improvement of the Visibility of Devices by New Image Processing for the Endoscopic Procedures
 – Usage Experience and Clinical Utility Consideration – Yoshiki Nakai (Kyoto Katsura Hosp.)
 Sponsored by: Shimadzu Corporation
- Luncheon Seminar 20: April 16 (Sat.) 12:00-12:50 (F205+206)
 [Early Diagnosis of Alzheimer's Disease Using MRI] Moderator: Hidekazu Tomimoto (Mie Univ.)
 Sponsored by: Eisai Co.,Ltd. Kohsuke Kudo (Hokkaido Univ.)
- Luncheon Seminar 21: April 17 (Sun.) 12:00-12:50 (Main Hall)
 [Present and Future of Contrast Examination of Dual Energy CT] Moderator: Kazuo Awai (Hiroshima Univ.)
 1. How Would You Use It ? ~Contrast Agents and Imaging Techniques~ Yoshifumi Noda (Gifu Univ.)
 2. Myocardial Tissue Characterization with Dual Energy CT ~Utility of Late Enhancement Imaging and ECV Analysis~ Seitaro Oda (Kumamoto Univ.)
 Sponsored by: GE Healthcare Pharma Limited
- Luncheon Seminar 22: April 17 (Sun.) 12:00-12:50 (301)
 [The Latest Trends of Cardiac CT in 30 Minutes] Moderator: Kei Takase (Tohoku Univ.)
 Sponsored by: Bayer Yakuhin, Ltd. Kakuya Kitagawa (Mie Univ.)

- Luncheon Seminar 23: April 17 (Sun.) 12:00-12:50 (302)
 「Diagnosis and Treatment of Endometrial Cancer」
 1. MR Imaging of Endometrial Cancer
 2. New Therapy for Endometrial Cancer
 Sponsored by: Eisai Co.,Ltd

Moderator: Yumiko Oishi Tanaka (Cancer Institute Hosp.)
 Shinya Fujii (Tottori Univ.)
 Toyomi Satoh (Univ. of Tsukuba)
- Luncheon Seminar 24: April 17 (Sun.) 12:00-12:50 (303)
 「Molecular Pathology and Disease-modifying Therapies of Alzheimer's Disease」
 Moderator: Kei Yamada (Kyoto Prefectural Univ. of Medicine)
 Takeshi Iwatsubo (The Univ. of Tokyo/National Center of Neurology and Psychiatry)
 Sponsored by: Nihon Medi-Physics Co., Ltd.
- Luncheon Seminar 25: April 17 (Sun.) 12:00-12:50 (304)
 「Key Points in CNS Diagnostic Imaging」
 1. Recent Topics in Brain Tumors
 2. Recent Topics in Brain Aneurysm Imaging
 Sponsored by: Guerbet Japan KK

Moderator: Masahiro Ida (Mito Medical Center)
 Akio Hiwatashi (Nagoya City Univ.)
 Yoshiyuki Watanabe (Shiga Univ. of Medical Science)
- Luncheon Seminar 26: April 17 (Sun.) 12:00-12:50 (311+312)
 「Digital Revolution – A New Era in Cardiac Care –」
 1. Current Status and Future Direction of cCTA
 2. Cardiologist's view –The the importance of coronary CT–
 Sponsored by: HeartFlow Japan G.K.

Moderator: Hiromitsu Hayashi (Nippon Medical Sch.)
 Hiroyoshi Yokoi (Fukuoka Sanno Hosp.)
 Teruhito Kido (Ehime Univ.)
 Ken Kozuma (Teikyo Univ.)
- Luncheon Seminar 27: April 17 (Sun.) 12:00-12:50 (313+314)
 「The Way to the Future Pointed by Knowledge-based Planning」
 Moderator: Takashi Mizowaki (Kyoto Univ.)
 Hajime Monzen (Kindai Univ.)
 Mikoto Tamura (Kindai Univ.)
 Yoshihiro Ueda (Osaka International Cancer Institute)
 Sponsored by: Varian Medical Systems, Inc.
- Luncheon Seminar 28: April 17 (Sun.) 12:00-12:50 (315)
 「The Impotance of Metastasis Evaluation in the Treatment Strategy of Advanced Prostate Cancer」
 1. Diagnostic Imaging and Treatment Strategy in Advanced Prostate Cancer.
 2. Diagnostic Imaging Including Whole Body MRI in Advanced Prostate Cancer.
 Sponsored by: Medical Affairs Division, Janssen Pharmaceutical K.K.

Moderator: Kohsuke Kudo (Hokkaido Univ.)
 Toshiki Kijima (Dokkyo Medical Univ.)
 Katsuyuki Nakanishi (Osaka International Cancer Institute)
- Luncheon Seminar 29: April 17 (Sun.) 12:00-12:50 (413)
 「Opening the Future – Post-processing Looking to the Days Ahead」
 1. 3D Image Processing from the Dawn to the Future – Visualization to Surgical Support
 2. 3D Image Processing in Clinical Practice, and Its Future
 Sponsored by: Ziosoft, Inc. / AMIN Co.,Ltd.

Moderator: Daisuke Utsunomiya (Yokohama City Univ.)
 Toru Hirano (Sapporo Medical Univ. Hosp.)
 Yasuyoshi Ogawa (St. Marianna Univ. Hosp.)
- Luncheon Seminar 30: April 17 (Sun.) 12:00-12:50 (F205+206)
 「Comprehensive Dual Energy – From Daily Routine to Cutting Edge Applications –」
 1. Shall We Enjoy Dual-energy CT ?
 2. The Leading Edge of Dual Energy – Evolution and Cutting Edge Application of GSI –
 Sponsored by: GE Healthcare Japan

Moderator: Masahiro Jinzaki (Keio Univ.)
 Haruhiko Machida (Adachi Medical Center Tokyo Women's Medical Univ.)
 Satoshi Goshima (Hmamatsu Univ. Sch. of medicine)