Programs
Programs

Main theme: Innovative Radiology close to the Patients
Period: April 11 (Thur.) – 14 (Sun.), 2019
Venue: PACIFICO Yokohama
1-1-1 Minatomirai, Nishi-ku, Yokohama 220-0012, Japan
Tel: +81-45-221-2155

Lecture Meeting Place: National Convention Hall · Conference Center · Annex Hall · Harbor Lounge A
Oral Presentation Place: Conference Center · Annex Hall
Electronic Poster Presentation Booth: National Convention Hall Marine Lobby
Product Exhibition Area: National Convention Hall Marine Lobby
ITEM2019Venue: Exhibition Hall A, B, C, D
General Information: Exhibition Hall A · Conference Center 2F
PC Preview Center: Exhibition Hall A
Conference Center B1F

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February 25, 2019.
I. Joint Sessions for Japan Radiology Congress

Opening Ceremony
- Opening Ceremony: April 12 (Fri.) 13:00-15:00 (Main Hall)
  Performance: Tokyo Olympic Fanfare (TOF)
  Keynote lecture
  President: Yasuyuki Yamashita (Kumamoto University)
  Conference President: Takayuki Ishida (Osaka University)
  Congress Chair: Shinichi Minohara (Kanagawa Cancer Center)
  Chairman: Akio Niinobe (Japan Medical Imaging and Radiological Systems Industries Association (JIRA))

Honorary Member Award Ceremony
- Honorary Member Award Ceremony: April 12 (Fri.) 13:50-14:30 (Main Hall)
  Moderator: Yutaka Imai (Tokai Univ.)
  Yasuyuki Yamashita (Kumamoto Univ.)
  James A. Brink (Massachusetts General Hospital, USA)
  Jelle Barentsz (Radboudumc, Netherlands)
  Ho-Young Song (Asan Medical Center, Korea)

Joint Special Lecture
- Joint Special Lecture: April 12 (Fri.) 14:30-15:00 (Main Hall, Satellite:301)
  Moderator: Yasuyuki Yamashita (Kumamoto Univ.)
  Takayuki Ishida (Osaka Univ.)
  Yutaka Matsuo (The Univ. of Tokyo)

Joint Symposium
- Joint Symposium 1: April 12 (Fri.) 15:20-17:20 (National Convention Hall)
  "Value-based Imaging: Future of Radiology in the Era of AI"
  Moderator: Kanako Kumamaru (Juntendo Univ.)
  Akihiro Machitori (NCGM Kohnodai Hosp.)
  Kanako Kumamaru (Juntendo Univ.)
  Kyoko Kitaizawa (Kyoto Pharmaceutical Univ.)
  Anri Inaki (Kanazawa Univ.)
  1. What is Value-based Healthcare?
  2. Value-based Imaging: Patient’s Perspective
  3. The Role of Radiologists for the Proper Management of Medical Radiation Based on the Medical Care Act.
  4. Strategic Implications for Radiologists towards Investment in Health
  5. Value Based Imaging: Future of Radiology in the Era of AI

- Joint Symposium 2: April 13 (Sat.) 9:10-11:50 (National Convention Hall)
  "Innovative Radiology with Artificial Intelligence (AI)"
  Moderator: Hiroshi Fujita (Gifu Univ.)
  Norio Nakata (The Jikei Univ. School of Medicine)
  Ryuji Hamamoto (National Cancer Center)
  Kazuma Kobayashi (National Cancer Center)
  Hiroshi Fujita (Gifu Univ.)
  1. Keynote Lecture Development of the Integrated Cancer Medical System Using Artificial Intelligence: Towards the Realization of Precision Medicine
  2. New Trend of CAD (AI-CAD) in the New AI Era
  3. Deep Learning in Computer-assisted Diagnosis: Current Status and Future Prospects of Overseas Research and Development
  4. AI Researches in the Radiological Technology: Future Working Style of Radiological Technologist and an Encourage of AI Research
  5. Application of Deep Learning in Radiotherapy
  Takeshi Funahashi (Japan Medical Imaging and Radiological Systems Industries Association)
Joint Symposium 3: April 13 (Sat.) 13:10-15:10 (Main Hall)

「Identify the Tumor - Approaching New Era of Biologically Adaptive Radiotherapy -

Moderator: Makoto Shinoto (Kyushu Univ. Hosp.)
Naruhiko Matsuji (NIRS-QST)

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

Joint Educational Session

Diagnostic and Therapeutic Indications of Brain Tumor: April 12 (Fri.) 9:30-11:30 (National Convention Hall)
Moderator: Yukio Miki (Osaka City Univ.)
Kohei Hanaoka (Kindai Univ.)
1. Updated 4th Edition of the WHO Brain Tumor Classification: What Radiologists are Desired to Know
   Hideaki Yokoo (Gunma Univ.)
2. Recent Development of MR Imaging for Brain Tumor
   Toshinori Hirai (Miyazaki Univ.)
3. Neurosurgical Treatment ? Surgical Resection, Chemotherapy, and Other Modalities
   Akitake Mukasa (Kumamoto Univ.)
4. Radiation Therapy
   Hidefumi Aoyama (Niigata Univ.)
5. Brain Tumor Imaging
   Masaaki Kajisako (Kyoto Univ. Hosp.)
6. BNCT for Brain Tumor Treatment - From a View Point of Medical Physicist -
   Masayori Ishikawa (Hokkaido Univ.)

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

Deep Learning Hands-on Seminar: April 12 (Fri.) 8:00-9:30 (Harbor Lounge A)
April 13 (Sat.) 15:30-17:00 (Harbor Lounge A)
April 14 (Sun.) 8:45-10:15, 10:30-12:00, 13:00-14:30 (Harbor Lounge A)
Moderator: Takeshi Hara (Gifu Univ.)
Yongbum Lee (Niigata Univ.)
1. Medical Image Application of Deep Learning
   Hiroshi Fujita (Gifu Univ.)
2. Image Classification Using Convolutional Neural Network with TensorFlow & Keras
   Takeshi Hara (Gifu Univ.)
3. BYOD! Quick Setup for Deep Learning Using TensorFlow & Keras
   Takeshi Hara (Gifu Univ.)
4. Deep Learning for Image Segmentation
   Yongbum Lee (Niigata Univ.)

Reception for All Participants (Congress Party)

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

Closing and Awards Ceremony

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

Honorary Invited Lecture

- Honorary Invited Lecture: April 12 (Fri.) 15:20-16:30 (303)
  Moderator: Yutaka Imai (Tokai Univ.)
  Sadayuki Murayama (Univ. of the Ryukyus)
1. The Future of Radiology—Key Drivers for the Next Five Years
   James A. Brink (Massachusetts General Hospital, USA)
2. How Novel Imaging Techniques Will Change the Fate of Prostate Cancer Patients.
   Jelle Barentsz (Radboudumc, Netherlands)
3. Evolution of Esophageal Stents: 8 Generations of Trial and Error
   Ho-Young Song (Asan Medical Center, Korea)

International Communication

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

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

- AOSOR-JRS Conjoint Session (Musculoskeletal Imaging): April 11 (Thu.) 14:45-16:45 (302)
  「Musculoskeletal Imaging」
  Moderator: Yoshiyuki Watanabe (Osaka Univ.)
  Mamoru Nitta (Saitama Medical Univ. Hosp.)
  1. Introduction
     Yoshiyuki Watanabe (Osaka Univ.)
  2. Imaging of Traumatic Muscular Lesions
     Yoshiko Hayashida (Univ. of Occupational and Environmental Health)
  3. Osteoporotic Vertebral Fracture
     James F Griffith (The Chinese University of Hong Kong, China)
  4. Imaging of Vascular Malformations
     Nuttaya Pattamapaspong (Chiang Mai University, Thailand)
  5. Imaging of Rheumatoid Arthritis
     Tamotsu Kamishima (Hokkaido Univ.)
  6. MR Imaging of Articular Cartilage
     Steven Wong Bak Siew (Sengkang General Hospital, Singapore)

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

- Joint Symposium with KCR (KCR-JRS Conjoint Session): April 13 (Sat.) 15:30-16:50 (315)
  「Brain Circulation, Conduction and Connection; This Is How We Visualize It and We Do It Damn Good!」
  Moderator: Kei Yamada (Kyoto Prefectural Univ. of Medicine)
  Masaaki Hori (Juntendo Univ.)
  1. CT Perfusion in Patients with Ischemic Cerebrovascular Disease: Comparison of Bayesian with Singular Value
     Decomposition Method
     Kazuhiro Murayama (Fujita Health Univ.)
  2. PET and SPECT Imaging of the Brain
     Tomohiro Kaneta (Yokohama City Univ.)
  3. Electrical Conductivity of the Brain in Normal and Pathological States
     Khin Khin Tha (Hokkaido Univ. Hosp.)
  4. Neurovascular 4D Flow MRI -scan Techniques and Clinical Applications-
     Tetsuro Sekine (Nippon Medical School)
  5. Dynamic Susceptibility Contrast (DSC) and Arterial Spin Labeling PWI in Neuroimaging
     Roh-Eul Yoo (Seoul National University, Korea)
  6. CEST Imaging: Principles and Clinical Applications
     Seung-Koo Lee (Yonsei University College of Medicine, Korea)
  7. MR Fiber G-ratio and Connectome
     Masaaki Hori (Juntendo Univ.)

Invited Lecture

- Invited Lecture 1: April 12 (Fri.) 9:10-9:40 (311+312)
  Moderator: Toshifumi Gabata (Kanazawa Univ.)
  Electrochemotherapy in Locally Advanced Pancreatic Cancer
  Vincenza Granata (Istituto Nazionale Tumori IRCCS Fondazione Pascale - IRCCS di Napoli, Italy)
Invited Lecture 2: April 12 (Fri.) 10:30-11:00 (311+312)
Theranostic Immune Systems to Reveal Optimal Outcome
David Yang (University of Texas MD Anderson Cancer Center and Cell-Point, LLC, USA)
Moderator: Nagara Tamaki (Kyoto Prefectural Univ.)

Invited Lecture 3: April 12 (Fri.) 9:10-9:40 (313+314)
Chronic Obstructive Pulmonary Disease - Moving from Structure to Function
Jens Vogel-Claussen (Hannover Medical School, Germany)
Moderator: Yoshiharu Ohno (Kobe Univ.)

Invited Lecture 4: April 12 (Fri.) 10:30-11:00 (313+314)
Increasing MR Value in Neuro-imaging Using Artificial Intelligence
Vincent Dousset (University of Bordeaux, France)
Moderator: Hajime Kitagaki (Shimane Univ.)

Invited Lecture 5: April 12 (Fri.) 9:10-9:40 (F205+206)
Aortic Emergencies
Tuncay Hazirolan (Hacettepe University, Turkey)
Moderator: Teruhito Mochizuki (Ehime Univ.)

Invited Lecture 6: April 12 (Fri.) 10:30-11:00 (F205+206)
The Utility of Cardiac CT in 2019: From the Cardiologist’s Perspective
Wm. Guy Weigold (MedStar Heart & Vascular Institute, USA)
Moderator: Hidefumi Mimura (St. Marianna Univ. School of Medicine)

Invited Lecture 7: April 13 (Sat.) 9:10-9:40 (311+312)
Ductal Carcinoma in Situ; Controversies of “Overtreatment” vs “Overdiagnosis”
Mai Elezaby (University of Wisconsin School of Medicine and Public Health, USA)
Moderator: Hiroko Tsunoda (St Luke’s International Hosp.)

Invited Lecture 8: April 13 (Sat.) 10:30-11:00 (311+312)
Diffusion and Perfusion Imaging in the Head and Neck
Ashok Srinivasan (University of Michigan, USA)
Moderator: Hiroya Ojiri (The Jikei Univ. School of Medicine)

Invited Lecture 9: April 13 (Sat.) 10:30-11:00 (313+314)
Radiology Evolves with AI but Not so Fast: Many Samurai but No Shogun yet
Kyontae Bae (University of Pittsburgh, USA)
Moderator: Shinji Naganawa (Nagoya Univ.)

Invited Lecture 10: April 13 (Sat.) 9:10-9:40 (315)
HRCT Patterns of Diffuse Lung Disease
Hristina N. Natcheva (Boston Medical Center, USA)
Moderator: Kazuto Ashizawa (Nagasaki Univ.)

Invited Lecture 11: April 13 (Sat.) 10:40-11:10 (315)
Pediatric Brain Tumors Imaging: Insights from WHO Classification and Molecular Biology
Volodia Dangouloff-Ros (Hôpital Universitaire Necker Enfants Malades, France)
Moderator: Reiichi Ishikura (Hyogo College of Medicine)

Invited Lecture 12: April 13 (Sat.) 10:40-11:10 (315)
The Latest Advances in Cardiac CT and MRI
Meinrad Beer (University Hospital Ulm, Germany)
Moderator: Hajime Sakuma (Mie Univ.)
Invited Lecture 14: April 13 (Sat.) 10:30-11:00 (F205+206)  
Moderator: Ryoichi Tanaka (Iwate Medical Univ.)  
Differential Diagnosis of Aortic Wall Thickened Disease: CT and MRI Diagnostic Clue  
Zhanming Fan (Capital Medical University, Beijing Anzhen Hospital, China)

Invited Lecture 15: April 13 (Sat.) 13:00-13:30 (311+312)  
Moderator: Hiroshi Toyama (Fujita Health Univ.)  
Spectral Photon Counting CT  
Katsuyuki Taguchi (The Johns Hopkins University School of Medicine, USA)

Special Focus Session
- Special Focus Session: April 13 (Sat.) 13:00-14:00 (313+314)  
  Moderator: Takayuki Yamada (St. Marianna Univ. School of Medicine Yokohama City Seibu Hosp.)  
  Hiroshi Shinmoto (National Defense Medical College)  
  1.  Urolithiasis: Update for Radiologist  
      Young Sup Shim (Gachon University, Gil Medical Center, Korea)  
  2.  Imaging Diagnosis of Nutcracker Syndrome by Using Doppler Ultrasound and CT  
      Seung H. Kim (Seoul National University Hospital, Korea)

Symposium
- Symposium 1: April 12 (Fri.) 9:30-11:30 (Main Hall)  
  「Clinical Practice and Safety in Radiology」  
  Moderator: Takahiro Souma (Chiba Univ. Hosp.)  
  Masahiro Ida (Tokyo Metropolitan Ebara Hosp.)  
  Takahiro Souma (Chiba Univ. Hosp.)  
  Takashi Koyama (Kurashiki Central Hosp.)  
  Hideki Ota (Toho Univ.)  
  1.  Radiology Results not Communicated by Diagnostic Errors  
      Masamichi Koganemaru (Kurume Univ.)  
  2.  The Points of Attention in Diagnostic Radiology  
      Hiroshi Shinmoto (National Defense Medical College)  
  3.  What to Do for Radiology Reports to Be Read  
      Hideki Ota (Toho Univ.)  
  4.  Medical Safety of Interventional Radiology  
      Takuji Yamagami (Kochi Univ.)  
  5.  Medical Safety and Security for Radiation Therapy  
      Hiroshi Onishi (Univ. of Yamanashi)

- Symposium 2: April 12 (Fri.) 9:30-11:30 (301, Satellite:302)  
  「Present and Future of Radiogenomics」  
  Moderator: Kohsuke Kudo (Hokkaido Univ. Hosp.)  
  Koji Sakai (Kyoto Prefectural Univ. of KPU)  
  Hiroshi Nishihara (Keio Univ.)  
  Koji Sakai (Kyoto Prefectural Univ. of Medicine)  
  Khin Khin Tha (Hokkaido Univ. Hosp.)  
  1.  Expectations for Radiogenomics  
      Masamichi Koganemaru (Kurume Univ.)  
  2.  Cancer Precision Medicine based on multiple gene testing  
      Hideki Ota (Toho Univ.)  
  3.  Emerging Researches in "Radiogenomics"  
      Takuo Inoue (Osaka Univ.)  
  4.  Radiogenomics in Glioma  
      Hiroshi Onishi (Univ. of Yamanashi)

- Symposium 3: April 12 (Fri.) 9:40-11:40 (303, Satellite:304)  
  「Recent Development in Transcatheter Embolization」  
  Moderator: Hiroyuki Tajima (Nippon Medical School Musashikosugi Hosp.)  
  Koichiro Yamakado (Hyogo College of Medicine)  
  Masanori Inoue (Keio Univ.)  
  Manabu Nakata (Dokkyo Medical Univ. Saitama Medical Center)  
  Miyuki Sone (National Cancer Center Hospital)  
  1.  Transcatheter Arterial Embolization for Frozen Shoulder  
      Masanich Koganemaru (Kurume Univ.)  
  2.  Recent Trend of Prostatic Artery Embolization  
      Masanichi Koganemaru (Kurume Univ.)  
  3.  Interventional Radiology for Pelvic Congestion Syndrome (PCS) and Varicocoele  
      Manabu Nakata (Dokkyo Medical Univ. Saitama Medical Center)  
  4.  Transarterial Embolization for Metastatic Liver Tumors  
      Miyuki Sone (National Cancer Center Hospital)  
  5.  Radioembolisation Using Y90 Microspheres for the Treatment of Hepatocellular Carcinoma  
      Tay Kiang Hiong (Singapore General Hospital, Singapore)  

- Symposium 4: April 12 (Fri.) 15:20-17:20 (Main Hall)  
  「Clinical Practice and Diagnosis of Non-alcoholic Fatty Liver Disease and Non-alcoholic Steatohepatitis: Current Concepts and Remaining Challenges」  
  Moderator: Kengo Yoshimitsu (Fukuoka Univ.)  
  Etsuko Hashimoto (Health Support Center Seibu Railway Co., Ltd.)  
  Kengo Yoshimitsu (Fukuoka Univ.)  
  Etsuko Hashimoto (Health Support Center Seibu Railway Co., Ltd.)  
  1.  Clinical Features, Diagnosis and Treatment of NAFLD/NASH  
      Kengo Yoshimitsu (Fukuoka Univ.)  
  2.  Quantification of Liver Fat and Iron using MRI  
      Kengo Yoshimitsu (Fukuoka Univ.)  
  3.  Ultrasound Diagnosis of Liver Fibrosis and Hepatic Steatosis  
      Hiroko Iijima (Hyogo College of Medicine)  
  4.  NAFLD/NASH and MR Elastography  
      Utaro Hoshimiya (Univ. of Yamanashi)  
  5.  Gd-EOB-DTPA Enhanced MRI Based Diagnosis of Liver Fibrosis  
      Satoshi Goshima (Hamamatsu Univ. School of Medicine)
Symposium 5: April 12 (Fri.) 15:10-17:10 (301, Satellite:302)  
「Future of Theranostics for Personalized Medicine」  
Moderator: Jun Hatazawa (Osaka Univ.)  
Makoto Hosono (Kindai Univ.)  
1. Nuclear Theranostics in the World and What is Required for the Japanese Community  
Seigo Kinuya (Kanazawa Univ.)  
2. Clinical Application and Development of Theranostics using Novel Targeted Radionuclide Therapy in Japan  
Noboru Oriuchi (Fukushima Medical Univ.)  
3. Peptide Receptor Radionuclide Therapy; A Prologue of the way to the future of Radio-Theranostics.  
Shoko Takano (Yokohama City Univ.)  
4. - Theranostics Targeting LAT 1 - For The Universal Treatment of Cancer  
Tadashi Watabe (Osaka Univ.)  
5. Theranostics for Personalized Medicine -Future Perspective of Quantum Medical Science-  
Tatsuya Higashi (NIRS-QST)

Symposium 6: April 13 (Sat.) 9:30-11:30 (301, Satellite:302)  
「Guidelines on the Use of Iodinated Contrast Media in Patients with Kidney Disease 2018」  
Moderator: Hiromitsu Hayashi (Nippon Medical School)  
Kazuo Awai (Hiroshima Univ.)  
1. Overview of the Guidelines on the Use of Iodinated Contrast Media in Patients with Kidney Disease 2018  
Kazuo Awai (Hiroshima Univ.)  
2. The Pathophysiology, Diagnosis and Risk Stratification in Contrast Induced Nephropathy  
Hideo Yasuda (Hamamatsu Univ. School of Medicine)  
3. Contrast-Induced Nephropathy: Intra-arterial Administration of Contrast Media  
Akira Sato (Univ. of Tsukuba)  
4. Contrast-Induced Nephropathy after Intravenous Administration  
Seitaro Oda (Kumamoto Univ.)  
5. Prevention of Contrast Induced Nephropathy  
Yasuhiro Komatsu (Gunma Univ.)

Symposium 7: April 13 (Sat.) 9:40-11:40 (303, Satellite:304)  
「The Past, Present, and Future of Radiotherapy」  
Moderator: Kenji Nemoto (Yamagata Univ.)  
Hidefumi Aoyama (Niigata Univ.)  
1. Messages to Young Radiation Oncologists Who Bear the Future~Development of Radiation Oncology over Past 30 Years in the Heisei Period  
Masahiro Hiraoka (Japan Red Cross Wakayama Medical Center)  
2. How Do You Welcome AI Era in Radiotherapy?  
Hidetaka Arimura (Kyushu Univ.)  
3. Requirements and Role of Radiotherapy in the Era of Aging and Long-lived Society with Fewer Children  
Takashi Mizowaki (Kyoto Univ.)  
4. Future Direction of Radiotherapy in the Precision Medicine Era  
Satoshi Ishikura (Nagoya City Univ.)  
5. More Radiation Oncology Exposure in Undergraduate Medical Education  
Natsuo Oya (Kumamoto Univ.)

Symposium 8: April 13 (Sat.) 13:10-15:10 (301, Satellite:302)  
「Radiologists and AI」  
Moderator: Shigeki Aoki (Juntendo Univ.)  
Yasuyuki Kobayashi (St. Marianna Univ. School of Medicine)  
1. Introduction to Deep Learning for Radiologists  
Masahiro Hashimoto (Keio Univ.)  
2. Methodology of Deep Learning  
Koichiro Yasaka (The Univ. of Tokyo)  
3. Will Artificial Intelligence (AI) Replace Radiologists?  
Takeshi Nakaura (Kumamoto Univ.)  
4. Examining Radiologists of the AI Era  
Masahiro Jinzaki (Keio Univ.)

「Radiological Imaging in Super-aged Society」  
Moderator: Kengo Ito (National Center for Geriatrics and Gerontology)  
Hiroshi Matsuda (National Center of Neurology and Psychiatry)  
1. Role of Neuroimaging in Diagnostic Strategy for Dementia in Super-aged Society  
Aya M. Tokumaru. (Tokyo Metropolitan Medical Center of Gerontology)  
2. Cardiovascular Imaging in a Super-aging Society  
Takuya Ueda (Tohoku Univ.)  
3. Imaging of the Elderly Chest : Normal Aging Change and Pathological Conditions  
Masashi Takahashi (Yujin-Yamazaki Hosp.)  
4. Imaging of Musculoskeletal Diseases in Aged People  
Hajime Fujimoto (Chiba Univ. Hosp.)
Symposium 10: April 14 (Sun.) 9:30-11:30 (Main Hall)

"New Applications of Radiotherapy"

Moderator: Tetsuo Akimoto (National Cancer Center Hosp. East)
Keiichi Jingu (Tohoku Univ.)

1. Role of Loco-Regional Radiotherapy for Head and Neck Cancer with Distant Metastasis.
   Takeshi Kodaira (Aichi Cancer Center Hosp.)

2. Radical Radiotherapy for Metastatic Prostate Cancer
   Katsumasa Nakamura (Hamamatsu Univ. School of Medicine)

3. New and Emerging Radiotherapy Applications in Palliative Care
   Tetsuo Saito (Kumamoto Univ. Hosp.)

4. New Applications of High Precision Radiotherapy in Early-stage Lung Cancer
   Yoshiyuki Shioyama (Ion Beam Therapy Center, SAGA-HIMAT)

5. Combination Therapy of Radiotherapy and Immunotherapy: Basic and Clinical Aspects
   Yoshiyuki Suzuki (Fukushima Medical Univ.)

Symposium 11: April 14 (Sun.) 9:30-11:30 (301, Satellite:302)

"Complementary Diagnosis in Treatment Strategy of Ischemic Heart Disease"

Moderator: Teruhito Mochizuki (Ehime Univ.)
Shin-ichiro Kumita (Nippon Medical School)

1. Recent Progress of Invasive Physiological Assessment.
   Hitoshi Matsuo (Gifu Heart Center)

2. Morphological and Functional Evaluation of Ischemic Heart Disease using Cardiac CT
   Teruhito Kido (Ehime Univ.)

3. Usefulness and Limitations of Cardiac MRI in the Evaluation of Myocardial Ischemia.
   Kakuya Kitagawa (Mie Univ.)

4. Evaluation of Two Large Elements of Ischemic Heart Disease by Nuclear Cardiology.
   Tomonari Kiriyama (Nippon Medical School)

5. The Paradigm Shift and International Trends on the Management of Stable Ischemic Heart Disease in Diagnosis, Treatment and Outcome Strategies
   Tomoaki Nakata (Hakodate Goryoukaku Hosp.)

Symposium 12: April 14 (Sun.) 9:40-11:40 (303, Satellite:304)

"Radiological Protection in Interventional Procedure"

Moderator: Takamichi Murakami (Kobe Univ.)
Tetsuo Sonomura (Wakayama Medical Univ.)

1. Optimization of Protection in Interventional Radiology
   Masaaki Akahane (International Univ. of Health and Welfare)

2. Radiation Exposure in Non Vascular IR
   Atsushi Komemushi (Kansai Medical Univ. Medical Center)

3. Radiation Protection on Patient and Physician during Vascular Interventional Radiology for Body Disease
   Masakazu Hirakawa (Kyushu Univ. Beppu Hosp.)

4. Radiation Safety and Protection in Neuro- and H&N Interventional Radiology
   Toshi Abe (Kurume Univ.)

Image Interpretation Session

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

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

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

Discussors: Taisuke Harada (Hokkaido Univ. Hosp.)
Takao Kiguchi (Ichinomiyaishi Hosp.)
Wataru Fukimoto (Hiroshima Univ.)
Yudai Nakai (The Univ. of Tokyo)
Yusaku Moribata (Kurarashki Central Hosp.)
Tetsuhiko Okabe (Yokohama City Univ.)
Special Program

• Special Program 1: April 12 (Fri.) 10:00-11:40 (315)
  [Standardization of Quantitative Imaging: Approach to Quantitative Imaging Biomarker Alliance (QIBA)]
  Moderator: Shigeki Aoki (Juntendo Univ.)
  Ukihide Tateishi (Tokyo Medical and Dental Univ.)
  1. Quantitative Imaging in Precision Medicine: Opportunities, Challenges, and the Role of the RSNA Quantitative Imaging Biomarkers Alliance (QIBA)
     Edward F. Jackson (University of Wisconsin, School of Medicine & Public Health, USA)
  2. Approach to QIBA Through Development of Phantom for Magnetic Resonance Elastography
     Mikio Suga (Chiba Univ.)
  3. JISC’s Activity for Medical Device Development
     Niko Kato (International Standardization Division, Ministry of Economy, Trade and Industry)
  4. Recent Advances of J-QIBA
     Ukihide Tateishi (Tokyo Medical and Dental Univ.)

• Special Program 2: April 12 (Fri.) 16:50-17:50 (303)
  [How to Write Scientific Papers; Tips for Young Radiologists]
  Moderator: Yukunori Korogi (Univ. of Occupational and Environmental Health)
  1. The Daily Practice of Writing Academic Papers; the Language Requisite and Lifestyle Tips
     Eriko Maeda (The Univ. of Tokyo)
  2. Tips of Writing Research Papers for Young Radiologists: How and Why?
     Katsuyoshi Ito (Yamaguchi Univ.)

• Special Program 3: April 12 (Fri.) 15:10-16:40 (304)
  [Imaging Diagnosis with Artificial Intelligence Promoted by Japan Radiological Society – Utility of Japan Medical Imaging Database -]
  Moderator: Shigeki Aoki (Juntendo Univ.)
  Noriuki Tomiyama (Osaka Univ.)
  1. ICT Infrastructure Establishment and Implementation of Artificial Intelligence for Clinical and Medical Research
     Tetsuo Sakamaki (Japan Agency for Medical Research and Development)
  2. Cloud Platform and AI Medical Image Processing for Promoting Use of Medical Big Data
     Shin’ichi Satoh (National Institute of Informatics)
  3. AI Project Promoted by Japan Radiological Society
     Hiroshi Honda (Kyushu Univ.)
  4. Current Status of System Development for Imaging Diagnosis by Artificial Intelligence: Collaboration with National Institute of Informatics
     Osamu Abe (The Univ. of Tokyo)
  5. Imaging Diagnosis with Artificial Intelligence – Tasks toward Utilization
     Masahiro Jinzaki (Keio Univ.)

• Special Program 4: April 13 (Sat.) 8:00-9:00 (F205+206)
  [Joint Symposium of JRS and JCR “Work-style Reform of Radiologists”]
  Moderator: Hideki Ota (Tohoku Univ.)
  1. JRS / JCR “Work-Style Questionnaire 2018” and Recommendations to the Ministry of Health, Labor and Welfare
     - Current Status of Japanese Health Care and the Role of Radiologists -
     Roka Matsubayashi (Namoto) (Kyushu Medical Center)
  2. Improvement of Work Environment Promoting Empowerment of Female Healthcare Professions -
     Hitomi Sasaki (Fujita Health Univ.)

• Special Program 5: April 14 (Sun.) 9:20-10:50 (315)
  [How Should Radiologists Learn Artificial Intelligence in Medicine?]
  Moderator: Daisuke Utsunomiya (Yokohama City Univ.)
  How to Learn Artificial Intelligence in Medicine for Radiologists?
  1. Why and How Should Radiologists Learn Artificial Intelligence in Medicine?
     Yasuyuki Kobayashi (St. Marianna Univ.)
  2. Seeing is Believing, Considering is Understanding, Practicing is Discovering
     Masahiro Hashimoto (Keio Univ.)

• Special Program 6: April 14 (Sun.) 13:00-14:30 (F205+206)
  [Medical Safety of Radiology Department, Part 2 (放射線科の医療安全を考える、第2弾)]
  Moderator: Shunro Matsumoto (Oita Univ.)
  Kazuto Ashizawa (Nagasaki Univ.)
  (基調講演)「放射線科読影レポート未確認問題、incidentaloma等について 一弁護士の立場から」
  Noboru Tanabe (JCR Legal Adviser)
  1. 当院における画像診断レポートの未読既読管理と読影体制
     Hiroko Satake (Nagoya Univ. Hosp.)
2. 画像診断レポートの確認に関する安全対策：鹿児島大学病院の取り組み
   Hiroto Hakamada (Kagoshima Univ.)

3. 画像診断レポート既読確認のための長崎大学病院の取り組み
   Masataka Uetani (Nagasaki Univ. Hosp.)

4. 特別発言
   Masahiro Ida (Ebara Hosp.)

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

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

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

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

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

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

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

- Educational Lecture 6: April 12 (Fri.) 8:00-9:00 (Main Hall)
  「[MOC Requirements] Quality of Medical Care: Radiotherapy」 Moderator: Natsum Oya (Kumamoto Univ.)
  Quality of Medical Care: Radiation Oncology
  Takeshi Kodaira (Aichi Cancer Center Hosp.)
Educational Lecture 7: April 12 (Fri.) 8:00-9:00 (301, Satellite:311+312)
Gastrointestinal Radiology 1
Moderator: Mitsuori Matsuki (Kindai Univ.)
1. Benign Splenic Diseases: Congenital Abnormalities, Splenomegaly Cystic Masses and Abscesses
Eriko Maeda (The Univ. of Tokyo)
2. Imaging Characteristics of Splenic Tumors and Tumor-like Lesions
Hitoshi Abo (Toyama Prefectural Central Hosp.)

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

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

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

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

Educational Lecture 12: April 12 (Fri.) 15:10-16:10 (F205+206)
Pediatric Radiology 1
Moderator: Masashi Koyama (Okazaki City Hosp.)
1. How Diagnose and Treat Renal Vascular Disorders: A Case-Based Teaching Approach
Shigeo Takebayashi (Yokohama City Univ. Medical Center)
2. Imaging Diagnosis of Complications (Including PTLD) of Dialysis / Renal Transplantation and Evaluation of Renal Transplant Donor
Tsuyoshi Tajima (National Center for Global Health and Medicine)

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

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

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

Educational Lecture 16: April 13 (Sat.) 8:00-9:00 (301, Satellite:311+312)
Gastrointestinal Radiology 2
Moderator: Kenji Ibukuro (Nihon Univ.)
1. Clinical Anatomy of Peritoneum (Mesenteries, Ligaments, and Fasciae)
Yoshiko Hayashida (Univ. of Occupational and Environmental Health)
2. CT Imaging of Internal Hernia
Norio Hongo (Oita Univ. Faculty of Medicine)

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

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

- Educational Lecture 19: April 13 (Sat.) 8:00-9:00 (304)
  「IVR 2」
  1. Vascular Access Intervention Therapy in Hemodialysis Patients
     Masahiro Tsuchi (Osaki Citizen Hosp.)
  2. Denver Shunt and Transjugular Liver Biopsy
     Yasuokazu Kako (Hyogo College of Medicine)
  Moderator: Kei Takase (Tokushima Univ.)

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

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

- Educational Lecture 22: April 13 (Sat.) 15:30-16:30 (302, Satellite:311+312)
  「Radiation Oncology 3」
  1. Radiation Therapy for Pediatric Cancer; Indication of Proton Therapy
     Toshinori Soejima (Kobe Proton Center)
  2. Basic of Immuno-Radiotherapy
     Yoshiyuki Suzuki (Fukushima Medical Univ.)
  Moderator: Hitoshi Ikushima (Tokushima Univ.)

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

- Educational Lecture 24: April 13 (Sat.) 17:10-18:10 (303, Satellite:304)
  「Radiation Oncology 4」
  1. Neoplastic Diseases of the Peritoneum and Mesentery
     Ryo Takaji (Oita Univ.)
  2. Non-Neoplastic and Inflammatory Diseases of the Peritoneum and Mesentery
     Akiko Sumi (Kurume Univ.)
  Moderator: Hideyuki Sakurai (Kawasaki Medical School)

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

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

- Educational Lecture 27: April 14 (Sun.) 8:00-9:00 (301)
  「Gastrointestinal Radiology 3」
  1. Neoplastic Diseases of the Peritoneum and Mesentery
     Yuki Nishimura (Univ. of Tsukuba)
  2. Non-Neoplastic and Inflammatory Diseases of the Peritoneum and Mesentery
     Akiko Sumi (Kurume Univ.)
  Moderator: Manabu Minami (Univ. of Tsukuba)
Educational Lecture 28: April 14 (Sun.) 8:00-9:00 (302, Satellite:313+314)
「Radiation Oncology 5」
Moderator: Masatoshi Hasegawa (Nara Medical Univ.)
Hyperbaric Oxygen Therapy for Late Radiation Adverse Events
Yasue Niwa (Tsuyama Chuo Hosp.)

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

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

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

Educational Lecture 32: April 14 (Sun.) 8:00-9:00 (F205+206)
「Neuroradiology 2」
Moderator: Mitsuuro Matsuki (Kindai Univ.)
Ryutaroh Uktisu (Kitasato Univ.)
2. Points to Notice in Skull Base Imaging
Mitsuuro Matsuki (Kindai Univ.)

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

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

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

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

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

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

- Luncheon Seminar 1: April 12 (Fri.) 12:00-12:50 (Main Hall)
  「Guidelines on the Use of Iodinated Contrast Media in Patients with Kidney Disease 2018」
  Moderator: Daisuke Utsunomiya (Yokohama City Univ.)
  Hiromitsu Hayashi (Nippon Medical School)
  Sponsored by: DAIICHI SANKYO CO., LTD.

- Luncheon Seminar 2: April 12 (Fri.) 12:00-12:50 (301)
  「CT/MR Perfusion Imaging for Acute Ischemic Stroke and Brain Tumors」
  Moderator: Osamu Abe (The Univ. of Tokyo)
  Kohsuke Kudo (Hokkaido Univ. Hosp.)
  Sponsored by: Bayer Yakuhin, Ltd.

- Luncheon Seminar 3: April 12 (Fri.) 12:00-12:50 (302)
  「Reconsideration of Contrast-enhanced CT Theory of Abdomen in Era of Low-voltage and Ultra High-resolution CT: Should Reduction of Contrast Material Volume Be Always Accepted?」
  Moderator: Yasuyuki Yamashita (Kumamoto Univ.)
  Tomoaki Ichikawa (Saitama Medical Univ. International Medical Center)
  Sponsored by: Eisai Co., Ltd.

- Luncheon Seminar 4: April 12 (Fri.) 12:00-12:50 (303)
  「Solution by approach of First Time Right in CT/MR」
  Moderator: Hiroshi Shinmoto (National Defense Medical College Hosp.)
  1. Clinical impact of next generation MR Ingenia Elition 3.0T - Challenge the limitation of the 3.0T-MRI -
     Kazuhiro Katahira (Kumamoto Chuo Hosp.)
  2. Investigation on Spectral CT from radiological technologists' perspective
     Hironobu Tomita (Saitama-ken Saiseikai, Kawaguchi General Hosp.)
  Sponsored by: Philips Japan, Ltd.

- Luncheon Seminar 5: April 12 (Fri.) 12:00-12:50 (304)
  「Key Points of Diagnostic Imaging in Cardiac Region」
  Moderator: Teruhito Mochizuki (Ehime Univ.)
  1. Using Coronary CTA, CT Perfusion and FFR-CT
     Teruhito Kido (Ehime Univ.)
  2. Recent topics in cardiac MRI for non-ischemic cardiomyopathy
     Kenichi Yokoyama (Kyorin Univ.)
  Sponsored by: Guerbet Japan KK

- Luncheon Seminar 6: April 12 (Fri.) 12:00-12:50 (311+312)
  「Dynamic X-ray Radiography can change dialogistic imaging」
  Moderator: Atsuko Kurosaki (Fukui Hosp., Japan Anti-Tuberculosis Association (JATA))
  1. Expectation for Dynamic Chest Radiography
     Shoji Kudoh (Board of Directors Japan Anti-Tuberculosis Association(JATA)/Nippon Medical School)
  2. Clinical applications of Dynamic X-ray Radiography
     Terumitsu Hasebe (Tokai Univ. Hachioji Hosp.)
  Sponsored by: KONICA MINOLTA JAPAN, INC.

- Luncheon Seminar 7: April 12 (Fri.) 12:00-12:50 (313+314)
  「Immunotherapy we should know about」
  Moderator: Takamichi Murakami (Kobe Univ.)
  1. Current status of immunotherapy for advanced cancers
     Noboru Yamamoto (National Cancer Center Hosp.)
  2. Tumor response evaluation criteria for immunotherapy
     Hirokazu Watanabe (National Cancer Center Hosp.)
  Sponsored by: Yokogawa Medical Solutions Corporation
Luncheon Seminar 8: April 12 (Fri.) 12:00-12:50 (315)
[Medical Image Diagnosis Support Using AI: Deep Learning]
- Clinical Applications and Evaluations for Practical Use
Moderator: Noriyuki Tominaga (Osaka Univ.)
1. Efficacy Evaluation of Lung Nodule CADe Using Deep Learning
   Shichiro Katase (Kyorin Univ.)
2. Clinical Applications of 3D Temporal Subtraction on CT Images for Bone Metastasis Diagnosis
   Shingo Iwano (Nagoya Univ.)
Sponsored by: FUJIFILM Medical Co., Ltd.

Luncheon Seminar 9: April 12 (Fri.) 12:00-12:50 (416+417)
[Prospect of neuroimaging diagnosis of Alzheimer’s disease; toward earlier treatment and prevention.]
Moderator: Kengo Ito (National Center for Geriatrics and Gerontology)
Kenji Ishii (Tokyo Metropolitan Institute of Gerontology)
Sponsored by: Eisai Co., Ltd.

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

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

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

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

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

Luncheon Seminar 15: April 13 (Sat.) 12:00-12:50 (303)
[Cutting Edge Emergency Radiology]
Moderator: Koichiro Yamakado (Hyogo College of Medicine)
1. Acute endovascular management of nontraumatic arterial injuries
   Noritaka Kamei (Oita Univ.)
2. Trauma Evaluation And Management in the Hybrid ER System
   Hiroshi Kondo (Teikyo Univ.)
Sponsored by: Fuji Pharma Co., Ltd.
Luncheon Seminar 16: April 13 (Sat.) 12:00-12:50 (304)

「Essential points in MRI diagnosis for the future」
1. Mechanisms for alteration of MR signal intensities
   Masaya Takahashi (Guerbet Japan KK)
2. Emerging technologies to change the MR future
   Osamu Abe (The University of Tokyo)
3. Essential points in MRI diagnosis for the future - abdomen -
   Kengo Yoshimitsu (Fukuoka Univ.)
Sponsored by: Guerbet Japan KK

Luncheon Seminar 17: April 13 (Sat.) 12:00-12:50 (311+312)

「The innovation in IVR by Philips Azurion and its clinical value」
1. Next generation pan-vascular suite: optimizing patient management and outcomes (TBA)
   Brian J. Schiro (Miami Cardiac & Vascular Institute, USA)
2. Usefulness of Azurion for various kinds of IVR
   Masanori Inoue (Keio Univ.)
Sponsored by: Philips Japan, Ltd.

*Simultaneous interpretation will be provided in this seminar.

Luncheon Seminar 18: April 13 (Sat.) 12:00-12:50 (313+314)

「Effectiveness of MRI-guided Radiation Therapy System」
1. Latest CT technology: Ability of Tin filter technology
   Munemasa Okada (Yamaguchi Univ. Hosp.)
2. How AI can change a radiologist’s daily life
   Bastian Oliver Sabel (Ludwig-Maximilians-University of Munich, Germany)
Sponsored by: Itochu Corporation

Luncheon Seminar 19: April 13 (Sat.) 12:00-12:50 (315)

「Latest CT technology & Forefront of Artificial Intelligence — Expanding Precision Medicine —」
1. Latest CT technology: Ability of Tin filter technology
   Munemasa Okada (Yamaguchi Univ. Hosp.)
2. How AI can change a radiologist’s daily life
   Bastian Oliver Sabel (Ludwig-Maximilians-University of Munich, Germany)
Sponsored by: Siemens Healthcare K.K.

Luncheon Seminar 20: April 13 (Sat.) 12:00-12:50 (416+417)

「Future Perspective for Diagnosis with 3D Bone SPECT -Imaging Technique and Clinical-」
1. Feasibility of the rapid bone-SPECT/CT imaging
   Kenta Miwa (International Univ. of Health and Welfare)
2. Importance of SPECT / CT in bone scintigraphy role of GI-BONE
   Shigeaki Hijishiyama (Osaka City Univ.)
Sponsored by: Nihon Medi-Physics Co., Ltd.

Luncheon Seminar 21: April 13 (Sat.) 12:00-12:50 (F205+206)

「Optimizing image quality via injection protocol method」
1. Personalization of contrast enhancement protocol using “contrast enhancement optimizer”
   Toru Higaki (Hiroshima Univ.)
2. History of contrast agent administration method research and future prospect: Including utilization of AI
   Takeshi Nakaura (Kumamoto Univ. Hosp.)
Sponsored by: Nemoto Kyourindo Co., Ltd.

Luncheon Seminar 22: April 14 (Sun.) 12:00-12:50 (Main Hall)

「Contrast agent safe use: Latest guidelines and recent progress」
Moderator: Yukunori Korogi (Univ. of Occupational and Environmental Health)
Yoshito Tsushima (Gunma Univ.)
Sponsored by: Eisai Co., Ltd.

Luncheon Seminar 23: April 14 (Sun.) 12:00-12:50 (301)

「Current trends in medical radiation exposure and dose management」
Moderator: Susumu Kanazawa (Okayama Univ.)
Yusuke Inoue (Kitasato Univ.)
Sponsored by: Bayer Yakuhin, Ltd.
Luncheon Seminar 24: April 14 (Sun.) 12:00-12:50 (302)
「New era of MR innovation: close to patients.」
Moderator: Noriyuki Tomiyama (Osaka Univ.)
1. Body MRI up-to-date: AIR Technology and advanced applications
   Masahiro Yanagawa (Osaka Univ.)
2. PET/MRI: breaking barriers with simultaneous acquisition
   -What is the key difference from PET/CT?-
   Munenobu Nogami (Kobe Univ.)
Sponsored by: GE Healthcare Japan

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

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

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

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

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

Luncheon Seminar 30: April 14 (Sun.) 12:00-12:50 (416+417)
「User’s experience of medical X-ray dose system "AMDS (Amidas)"」
Moderator: Shigeki Aoki (Juntendo Univ.)
1. Image diagnosis management including radiation dose management
   Masahiro Ida (Ebara Hosp.)
2. Practical radiation dose management in CT using AMDS
   Yosuke Kogure (Juntendo Univ. Hosp.)
Sponsored by: Toyo Medic Co., Ltd. / Azemoto Medical, Inc.

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