Programs

Main theme: Innovative Science and Humanism in Radiology
Period: April 12 (Thu.) - 15 (Sun.), 2018
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
• Oral Presentation Place: Conference Center · Annex Hall
• Electronic Poster Presentation Booth: National Convention Hall Marine Lobby
• Product Exhibition Area: National Convention Hall Marine Lobby
• ITEM2015Venue: Exhibition Hall A, B, C, D
• General Information: Exhibition Hall A · Conference Center 2F
• PC Preview Center: Exhibition Hall A
Conference Center B1F

1. Contents .................................................................................................................. S33
2. Abstracts ................................................................................................................ S55

Joint Special Lecture, Joint Symposium, Joint Educational Session,
Honorary Invited Lecture, International Communication, Invited Lecture,
Special Focus Session, Symposium, Special Program, Resident Seminar,
Case-Based Educational Lecture, Educational Lecture

3. Educational Exhibition Programs ........................................................................... S147
Educational Exhibition Abstracts ............................................................................... S153
4. Oral Presentation Programs .................................................................................. S175
Oral Presentation Abstracts ..................................................................................... S191
5. Electronic Poster Presentation Programs ............................................................... S265
Electronic Poster Presentation Abstracts ................................................................... S275
6. Product Exhibition Programs ................................................................................. S315
Product Exhibition Abstracts ..................................................................................... S319
7. Name index ............................................................................................................. S331
I. Joint Sessions for Japan Radiology Congress

Opening Ceremony
- Opening Ceremony: April 13 (Fri.) 13:10~15:00 (Main Hall)
  - Keynote lecture
    - President: Yutaka Imai (Tokai Univ.)
      The 77th Annual Meeting of the Japan Radiological Society (JRS)
    - Conference President: Shigeo Nishi (Tenri Hosp.)
      The 74th Annual Meeting of the Japanese Society of Radiological Technology (JSRT)
    - Congress Chair: Hiroshi Oguchi (Nagoya Univ.)
      The 115th Scientific Meeting of the Japan Society of Medical Physics (JSMP)
    - Chairman: Kenichi Komatsu
      Japan Medical Imaging and Radiological Systems Industries Association (JIRA)

Honorary Member Award Ceremony
- Honorary Member Award Ceremony: April 13 (Fri.) 13:50~14:20 (Main Hall)
  - Moderator: Hiroshi Honda (Kyushu Univ.)
    - Yutaka Imai (Tokai Univ.)
  - Herbert Y. Kressel (Harvard Medical School, Beth Israel Deaconess Medical Center, USA)
  - Seung Hyup Kim (Seoul National University Hospital, Korea)
  - Satoshi Minoshima (University of Utah, USA)

Joint Special Lecture
- Joint Special Lecture: April 13 (Fri.) 14:20~15:00 (Main Hall)
  - Moderator: Yutaka Imai (Tokai Univ.)
    - Koichi Tanaka (Shimadzu Corporation)

Merging Analytical and Medical Science for the Evolution of Healthcare

Joint Symposium
- Joint Symposium 1: April 13 (Fri.) 15:10~17:10 (Main Hall)
  - Moderator: Yusuke Inoue (Kitasato Univ.)
    - Yasuo Okuda (QST/NIRS)
  - [Management for Radiation Dose Reduction in Clinical Practice]
    - Claire Cousins (International Commission on Radiological Protection (ICRP), UK)
    - Masaaki Akahane (International Univ. of Health and Welfare)
  - 1. Radiation Dose Management in CT: Things to Do Right Now
    - Osamu Miyazaki (National Center for Child Health and Development)
  - 2. Radiation Dose Reduction in Pediatric Radiology: Current Situation in Japan
    - Elmar Kotter (University of Freiburg/Medical Center, Germany)
  - 3. Dose Management Systems in Radiology
    - Takao Ichida (Osaka City University Hosp.)
  - 4. Optimization of Medical Radiation Exposure for IVR in Japan
    - Takeshi Ohno (Kumamoto Univ.)
  - 5. Evaluation of Radiation Dose from Cone Beam CT in Image-guided Radiation Therapy

- Joint Symposium 2: April 14 (Sat.) 9:10~11:50 (Main Hall)
  - Moderator: Takayuki Obata (QST/NIRS)
    - Shigeyoshi Saito (Osaka Univ.)
  - [Establishing Fundamental Knowledge for the Clinic!: An Invitation to Preclinical Research]
  - 1. Preclinical Magnetic Resonance Imaging Study for Connect Animal and Human
    - Junichi Hata (RIKEN Brain Science Institute)
  - 2. Preclinical Imaging Study Using Nuclear Medicine Technology
    - Kodai Nishi (Nagasaki Univ.)
3. Predictive Biomarker for the Detection of Ionizing Radiation Toxicity
   Satoru Monzen (Hirosaki Univ.)
4. Things to Know before Using Imaging Biomarkers in the Clinic
   Riwa Kishimoto (National Institute of Radiological Sciences)
5. Hopes and Requests from Clinical Side
   Masaaki Hori (Juntendo Univ.)
6. Near Infrared Photoimmunotherapy for Cancer: A Newly Developed Technology Practically Useful for Patients
   Hisataka Kobayashi (Molecular Imaging Program/National Cancer Institute/NIH, USA)

Joint Symposium 3: April 14 (Sat.) 13:00~15:00 (Main Hall)
「Current Status of Radiomics Research in Radiology」
Moderator: Kohsuke Kudo (Hokkaido University Hosp.)
   Jun’ichi Kotoku (Teikyo Univ.)
1. Concepts and Implementation of Radiomics in Medical Imaging Research
   Samuel G. Armato III (The University of Chicago, USA)
2. Radiomics of Medical Imaging Using Multivariate Analysis and Artificial Intelligence
   Kenichi Nakajima (Kanazawa Univ.)
3. Current Status and Perspectives of Radiomics for Personalized Radiation Therapy
   Hidetaka Arimura (Kyushu Univ.)
4. Radiomics and Image Analysis
   Akihiro Haga (Tokushima Univ.)

Joint Educational Session
Diagnostic and Therapeutic Indications of Prostate Cancer: April 13 (Fri.) 9:10~11:40 (302)
Moderator: Atsunori Yorozu (Tokyo Medical Center)
   Masahiko Okumura (Kindai University Hosp.)
1. How Do Urologists Treat Prostate Cancer?
   Akira Miyajima (Tokai Univ.)
2. Multiparametric MR Imaging of Prostate Cancer
   Yasushi Kaji (Dokkyo Medical Univ.)
3. Radiotherapy for Prostate Cancer
   Toshio Ohashi (Keio Univ.)
4. Radiopharmaceutical Agents for the Diagnosis and Treatment of Prostate Cancer
   Mana Yoshimura (Tokyo Medical Univ.)
5. The Role of Radiotherapy Technologists in High-precision Radiotherapy for Prostate Cancer Patients
   Ryu Kawamorita (Tane General Hosp.)
6. High-precision Radiotherapy for Prostate Cancer: The Role of Medical Physicists
   Kaoru Ono (High-precision Radiotherapy Center, Hiroshima Heiwa Clinic)

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

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

February 25, 2018.
II. JRS Activities

Honorary Invited Lecture

- Honorary Invited Lecture 1: April 13 (Fri.) 15:10–15:40 (301)
  Moderator: Kazunari Ishii (Kindai Univ.)
  Michio Senda (Kobe City Medical Center General Hosp.)
  Molecular Brain Imaging in Dementia: Current Status and Future Direction
  Satoshi Minoshima (University of Utah, USA)

- Honorary Invited Lecture 2: April 14 (Sat.) 9:10–9:40 (301)
  Moderator: Nagara Tamaki (Kyoto Prefectural Univ. of Medicine)
  Kenji Nemoto (Yamagata Univ.)
  Getting to the Truth: Challenges for Editor’s, Authors, Reviewers, and Readers of Biomedical Publications
  Herbert Y. Kressel (Harvard Medical School, Beth Israel Deaconess Medical Center, USA)

- Honorary Invited Lecture 3: April 14 (Sat.) 13:00–13:30 (301)
  Moderator: Takehiko Gokan (Showa Univ.)
  Takashi Koyama (Kurashiki Central Hosp.)
  Imaging of Problematic Renal Masses: An Update
  Seung Hyup Kim (Seoul National University Hospital, Korea)

International Communication

- Introduction of RSNA: April 13 (Fri.) 9:10–9:30 (303)
  Moderator: Shigeru Ehara (Iwate Medical Univ.)
  Shigeki Aoki (Juntendo Univ.)
  Mary C. Mahoney (University of Cincinnati, USA)

- Introduction of ESR: April 13 (Fri.) 9:30–9:50 (303)
  Moderator: Shigeru Ehara (Iwate Medical Univ.)
  Shigeki Aoki (Juntendo Univ.)
  Bernd Hamm (The Charité, Humboldt University of Berlin and Freie University, Germany)

- AOSOR-JRS Conjoint Session: April 12 (Thu.) 15:00–17:00 (313 + 314)
  「Recent Topics of Diffusion Weighted Imaging in Neuroimaging」
  Moderator: Kei Yamada (Kyoto Prefectural Univ. of Medicine)
  Yoshiyuki Watanabe (Osaka Univ.)
  Toshiaki Taoka (Nagoya Univ.)
  1. Development of Diffusion Images
  2. Clinical Utility of DWI in the Pediatric Brain: Review and Update
     Pek-Lan Khong (The University of Hong Kong, China)
  3. New Potential of Diffusion MRI
     Koji Kamagata (Juntendo Univ.)
  4. Clinical Usages of Diffusion Weighted and Tensor Imaging: Challenges and Difficulties
     Norlisah Binti Mohd Ramli (University of Malaya, Malaysia)
  5. Diffusion Weighted Imaging in Central Nervous System
     Nalini Kant Mishra (All India Institute of Medical Sciences, India)

- The 3rd Asia Radiology Summit: April 13 (Fri.) 10:00–12:00 (2nd Basement Floor Ambassador’s Ballroom)
  Moderator: Noriyuki Tomiyama (Osaka Univ.)
  Kei Yamada (Kyoto Prefectural Univ. of Medicine)
Invited Lecture
- Invited Lecture 1: April 13 (Fri.) 9:10-9:40 (311 + 312)
  Moderator: Sachio Kuribayashi (HIMEDIC Imaging Center at Lake Yamanaka)
  Whal Lee (Seoul National University Hospital, Korea)
  Aortic Emergencies
  Tuncay Hazirolan (Hacettepe University, Turkey)

- Invited Lecture 2: April 13 (Fri.) 9:10-9:40 (315)
  Moderator: Ryohei Kuwatsuru (Juntendo University Hosp.)
  Seishi Nakatsuka (Keio Univ.)
  Dual-Energy-CT with a Focus on Abdominal Imaging: New Perspectives and Clinical Applications
  Andreas G. Schreyer (University Hospital Regensburg, Germany)

- Invited Lecture 3: April 14 (Sat.) 9:10-9:40 (304)
  Moderator: Takashi Kaneda (Nihon Univ. School of Dentistry at Matsudo)
  Toshinori Hirai (Univ. of Miyazaki)
  Medication Related Osteonecrosis of the Jaws: Imaging Findings and Classification
  Antonio Lo Casto (University of Palermo, Italy)

Special Focus Session
- Special Focus Session 1: April 13 (Fri.) 9:10-10:10 (304)
  [Female Imaging]
  Moderator: Kazuho Sugimura (Kobe Univ.)
  Hiroko Kawashima (Kanazawa Univ.)
  1. MRI of Endometriosis: State of the Art in 2018
     Catherine Roy (University of Strasbourg, France)
  2. The Clinical Implementation of Abbreviated Breast MRI to Screen Women with Dense Breasts
     Mitchell D. Schnall (University of Pennsylvania, USA)

- Special Focus Session 2: April 13 (Fri.) 15:10-16:10 (304)
  [Hepatic Imaging]
  Moderator: Yoshiki Asayama (Kyushu Univ.)
  Joo Hyeong Oh (Kyung Hee University Medical Center, Korea)
  1. Radiologic Evaluation of Portal Flow Steal in Liver Transplantation Recipient
     Bohyun Kim (Ajou University Hospital, Korea)
  2. Liver MRI: Now and the Future
     Utaro Motosugi (Univ. of Yamanashi)

- Special Focus Session 3: April 14 (Sat.) 9:10-10:10 (302)
  [Lung Imaging]
  Moderator: Noriyuki Tomiyama (Osaka Univ.)
  Sadayuki Murayama (Univ. of the Ryukyus)
  1. Pulmonary Fungal Infection
     Semin Chong (Samsung Medical Center, Korea)
  2. Small Airways Disease
     Gerald F. Abbott (Harvard Medical School, Massachusetts General Hospital, USA)

- Special Focus Session 4: April 14 (Sat.) 13:00-14:00 (301)
  [Renal Imaging]
  Moderator: Takehiko Gokan (Showa Univ.)
  Takashi Koyama (Kurashiki Central Hosp.)
  1. Imaging of Problematic Renal Masses: An Update
     Seung Hyup Kim (Seoul National University Hospital, Korea)
  2. New Developments in the Imaging of Renal Tumors
     Masahiro Jinzaki (Keio Univ.)
· Special Focus Session 5: April 14 (Sat.) 13:00–14:00 (303)
  [Advanced MR]  Moderator: Hirokazu Fujiwara (Keio Univ.)
  Nobuya Higuchi (Tokyo Medical Center)
  1. Advanced MR Imaging  Robert E. Lenkinski (UT Southwestern Medical Center, USA)
  2. Clinical Evaluation of Metabolic Biomarkers Observed by MRS  Masafumi Harada (Tokushima Univ.)

· Special Focus Session 6: April 14 (Sat.) 13:00–14:00 (304)
  [Musculoskeletal Imaging]  Moderator: Takatoshi Aoki (University of Occupational and Environmental Health)
  Masataka Uetani (Nagasaki Univ.)
  1. Shoulder MR: Update and Current Controversies  Michael J. Tuite (University of Wisconsin, USA)
  2. Common and Uncommon Conditions of the Knee MRI  Mamoru Niitsu (Saitama Medical Univ.)

Symposium

· Symposium 1: April 13 (Fri.) 9:10–11:50 (Main Hall)
  [Diagnostic Imaging in the Hepatobiliary and Pancreatic Regions: Focusing on the Differentiation between Benign and Malignant Lesions]  Moderator: Takamichi Murakami (Kobe Univ.)
  Toshifumi Gabata (Kanazawa Univ.)
  Keynote Lecture Non Invasive Diagnosis and Management of Benign Hepatocellular Tumors in Europe: Where Do We Stand in 2018?  Olivier Lucidarme (Pierre et Marie Curie & Sorbonne University, France)
  1. Differentiation between Benign and Malignant Lesion on the Multistep Hepatocarcinogenesis Process  Satoshi Kobayashi (Kanazawa Univ.)
  2. MR Imaging Diagnosis of Hepatocellular Adenoma: Imaging Features, Differential Diagnosis, and Recent Topics  Hiroki Haradome (Kitasato Univ.)
  3. Diagnostic Imaging of the Biliary System: Differentiation between Benign and Malignant Lesions  Kengo Yoshimitsu (Fukuoka Univ.)
  4. Tips and Pitfall for Differentiation between Benign and Malignant Solid Lesions of the Pancreas  Yasunari Fujimaga (Shinshu Univ.)
  5. Differentiation between Benign and Malignancy in Pancreatic Cystic Lesions  Shunro Matsumoto (Oita Univ.)

· Symposium 2: April 13 (Fri.) 9:10–11:50 (301)
  [New Frontiers of Fusion Imaging]  Moderator: Hiroyumi Fujii (National Cancer Center Exploratory Oncology Research & Clinical Trial Center)
  Noboru Oriuchi (Fukushima Medical Univ.)
  Keynote Lecture Fusion Imaging in Nuclear Medicine  Orazio Schillaci (University of Rome Tor Vergata, Italy)
  1. New Era of Fusion Imaging by Simultaneous Acquisition with PET/MR Scanner  Munenobu Nogami (Kobe University Hosp.)
  2. Cardiac Fusion Imaging: Two Sides of the Coin Reflecting Coronary Artery Disease  Tomonari Kiriya (Nippon Medical School)
  3. Oncology  Hiroaki Kurihara (National Cancer Center Hosp.)
  4. New Frontiers of Fusion Images in Neuroimaging  Hidehiko Okazawa (Biomedical Imaging Research Center, Univ. of Fukui)

· Symposium 3: April 13 (Fri.) 10:00–11:30 (303)
  [Standardization of Quantitative Imaging: Recent Topics of Quantitative Imaging Biomarker Alliance (QIBA)]  Moderator: Shigeki Aoki (Juntendo Univ.)
  Ukihide Tateishi (Tokyo Medical and Dental Univ.)
1. Objectives and Current Status of RSNA/QIBA
   Alexander R. Guimaraes (Oregon Health & Science University, USA)
2. Recent Advances of J-QIBA Activities in CT and MRI, with Emphasis on Synthetic MRI
   Akifumi Hagiwara (Univ. of Tokyo)
3. Recent Activities and Future Aspects of Standardization and SUV Harmonization for a Quantitative FDG-PET Imaging
   Go Akamatsu (National Institute of Radiological Sciences (QST-NIRS))

Symposium 4: April 13 (Fri.) 15:10-17:40 (301)
PET Imaging in Dementia
Moderator: Kazunari Ishii (Kindai Univ.)
Michio Senda (Kobe City Medical Center General Hosp.)
Satoshi Minoshima (University of Utah, USA)
1. Role of Neuroimaging in the Diagnostic Strategy for Senile Tauopathy and Alzheimer Disease
   Aya Midori Tokumaru (Tokyo Metropolitan Medical Center of Gerontology)
2. FDG PET in Diagnosis of Dementia
   Takashi Kato (National Center for Geriatrics and Gerontology)
3. The Role of Amyloid PET Imaging in Dementia
   Toshimitsu Momose (International Univ. of Health and Welfare School of Medicine)
4. Tau PET
   Etsuko Imabayashi (Medical Headquarters, Eisai Co., Ltd.)

Symposium 5: April 13 (Fri.) 15:10-17:40 (302)
Characteristics and Roles of Diagnostic Modalities in Breast Cancer
Moderator: Yasuo Nakajima (St. Marianna Univ. School of Medicine)
Ukiohide Tateishi (Tokyo Medical and Dental Univ.)
Mary C. Mahoney (University of Cincinnati, USA)
1. Breast Density Issues and Impacts on Mammography Screening
   Takayoshi Uematsu (Shizuoka Cancer Center Hosp.)
2. Effective Utilization of Digital Breast Tomosynthesis in Breast Cancer Screening
   Mari Kikuchi (National Cancer Center Hosp.)
3. Characteristics and Role of Adjunctive Ultrasonography in Breast Cancer Screening with Mammography
   Eriko Tohno (Tsukuba International Breast Clinic)
4. MRI Screening for Breast Cancer in Women at High Risk
   Yoshihide Kanemaki (St. Marianna Univ. School of Medicine)
5. Clinical Utility of a Dedicated Breast PET Scanner for Breast Cancer Screening
   Yuji Nakamoto (Kyoto Univ. Hosp.)

Symposium 6: April 13 (Fri.) 15:10-17:10 (303)
The Education of Radiation Oncologists in the New Medical Specialist Training Program
Moderator: Naoyuki Shigematsu (Keio Univ.)
Nobue Uchida (Tottori Univ.)
Ground Design of New Medical Specialist Training Program in Radiology
Masumi Kadoya (Shinshu Univ.)
1. JASTRO’s Role in Radiation Oncology Training
   Masatoshi Hasegawa (Nara Medical Univ.)
2. Education of Radiation Oncologists in the Urban Core Hospital Restricting the Capacity Limits
   Katsuyuki Karasawa (Tokyo Metropolitan Cancer and Infectious diseases Cancer Komagome Hosp.)
3. Education of Radiation Oncology Residents in the Single Radiology Department That Chaired by a Diagnostic Radiologist
   Shinji Naganawa (Nagoya Univ.)
4. Geographical and Gender-equal Perspective in the Education of Radiation Oncologists
   Keiko Shibuya (Yamaguchi Univ.)

5. Demand and Supply of Radiation Oncologists in Future
   Yasushi Nagata (Hiroshima Univ., Graduate School of Biomedical and Health Sciences)

Symposium 7: April 14 (Sat.) 9:10–11:10 (301)

[Meet Editor in Chief, Outstanding Reviewer and Researcher for Submitting Biomedical Publications]
Moderator: Nagara Tamaki (Kyoto Prefectural Univ. of Medicine)
Kenji Nemoto (Yamagata Univ.)

Keynote Lecture: Getting to the Truth: Challenges for Editor's, Authors, Reviewers, and Readers of Biomedical Publications
Herbert Y. Kressel (Harvard Medical School, Beth Israel Deaconess Medical Center, USA)
1. Role of JRS Members in Further Development of Japanese Journal of Radiology
   Yukunori Korogi (Univ. of Occupational and Environmental Health)
2. Get Published a Memorable Scientific Article: Suggestions from a Reviewer
   Hiromu Mori (Oita Univ.)
3. Encouraging Yourself to Write Scientific Papers
   Shinji Naganawa (Nagoya Univ.)

Symposium 8: April 14 (Sat.) 9:10–11:00 (303)

[Up-to-date on Pediatric Neurodevelopment]
Moderator: Hiroshi Oba (Teikyo Univ.)
Hitoshi Terada (Toho Univ. Sakura Medical Center)

Keynote Lecture: Brain Injury in Premature Infants
Yutaka Sato (University of Iowa, USA)
1. Cranial MRI and Outcome of Infants Admitted to a Neonatal Intensive Care Unit
   Floris Groenendaal (Wilhelmina Children's Hospital/University Medical Center Utrecht, Netherlands)
2. Neural Circuit Development and Its Impairment Revealed by Synapse Imaging in Vitro and in Vivo
   Shigeo Okabe (The Univ. of Tokyo)
3. 1H-MR Spectroscopy for Assessment of Pediatric Neurodevelopment and CNS Disorders
   Noriko Aida (Kanagawa Children's Medical Center)
4. Brain Development Using Large Brain MRI Database
   Yasuyuki Taki (Tohoku Univ.)

Symposium 9: April 14 (Sat.) 13:00–15:40 (302)

[Evaluation of Coronary Flow Reserve Using CT, MRI and Nuclear Medicine Techniques]
Moderator: Hajime Sakuma (Mie Univ.)
Teruhito Mochizuki (Ehime Univ.)

Keynote Lecture: Cardiac Imaging 2018 - Old Questions and New Horizons
Joachim Lotz (University Medical Center Gottingen, Georg-August-University, Germany)
1. From Basic Aspects to Clinical Values of Myocardial Blood Flow and Myocardial Flow Reserve Measurements
   Keiichiro Yoshinaga (Diagnostic and Therapeutic Nuclear Medicine, National Institute of Radiological Sciences)
2. Quantitative Assessment of Contrast-enhanced Myocardial MR Perfusion and CT Perfusion Imaging: Characteristics and Key Points for the Adequate Quantification
   Yasutaka Ichikawa (Mie Univ. Hosp.)
3. The Recent Development of Stress Myocardial Perfusion Imaging Using Compressed Sensing Technique
   Tomoyuki Kido (Ehime Univ.)
4. Insights into Myocardial Ischemia with Dynamic CT Perfusion
   Noriko Oyama-Manabe (Hokkaido University Hosp.)
5. Quantitative Assessment of Myocardial Blood Flow with Semi-conductor Gamma Camera
   Naoya Matsumoto (Nihon Univ.)
Symposium 10: April 15 (Sun.) 9:10~10:40 (Main Hall)

[Diagnostic imaging of drug-associated complications.]

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

1. Drug-Induced Imaging Features in the Central Nervous System
Satoshi Matsushima (Jikei Univ. School of Medicine)

2. Imaging Findings of Lung Injury Caused by Agents except Immune Checkpoint Inhibitors
Masahiko Kusumoto (National Cancer Center Hosp. East)

3. Imaging Findings of Lung Injury Caused by Immune Checkpoint Inhibitor Nivolumab
Hiroaki Sugira (Keio Univ.)

4. Topics of Diagnostic Imaging Findings about the Complication of the New Drugs in the Abdominal Area
Noriatsu Ichiba (Otsu City Hosp.)

5. Effect of Agents Administered Prior to Nuclear Medicine Examinations
Mayuki Uchiyama (Jikei Univ. School of Medicine)

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

[Diagnostic Imaging and Interventional Radiology in Portal Hypertension.]

Moderator: Susumu Kanazawa (Okayama Univ.)
Kimihiko Kichikawa (Nara Medical Univ.)

1. Diagnostic Imaging for Interventional Management of Portal Hypertension
Kaoru Kobayashi (Hyogo College of Medicine)

2. Balloon-occluded Retrograde Transvenous Obliteration
Jun Koizumi (Tokai Univ.)

3. Current Status of Transjugular Intrahepatic Portosystemic Shunts for Portal Hypertension-related Complications
Akira Yamamoto (Osaka City Univ.)

4. The Other Treatment Options for or Portal Hypertension, PTO/PTS, PSE and PV Stent
Toshihiro Tanaka (Nara Medical Univ.)

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

[Whole-body DWI: Past, Presence, and Future.]

Moderator: Kazuro Sugimura (Kobe Univ.)
Yasuo Takehara (Nagoya Univ.)

1. DWIBS Revisited: 10 Key Points
Taro Takahara (Tokai Univ. School of Engineering)

2. Whole-body DW-MRI for Castration-resistant Prostate Cancer: Prediction of Clinical Course and Identification of Oligo-progressive Lesions as Targets for Loco-regional Therapy
Soichiro Yoshida (Tokyo Medical and Dental Univ.)

3. Experience Using Diffusion-weighted Whole-body Imaging with Background Body Signal Suppression (DWIBS) for the Diagnosis of Distant Metastasis in Breast Cancer
Yoshihide Kanemaki (St. Marianna Univ. School of Medicine)

4. Successful Launch of DWIBS in Public Hospitals
Kenichi Miyazaki (Yaizu City Hosp.)

5. Clinical Utilities of Body Diffusion-weighted Images
Kazuhiro Katakiba (Kumamoto Chuo Hosp.)

6. Remarks
Fumihiko Wakao (National Cancer Center)

Image Interpretation Session

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

Moderator: Harushi Mori (Univ. of Tokyo)
Mitsuru Matsuki (Kindai Univ.)

Question Master: Toshihiro Furuta (Univ. of Tokyo)
Osamu Honda (Osaka Univ.)
Yumiko Tanaka (The Cancer Institute Hosp. of JFCR)
Nobuhiro Fujita (Kyushu Univ.)
Jiro Munehiya (Showa Univ.)

Discussors:
Chisa Banba (Kyoto Prefectural Univ. of Medicine)
Yasuhiro Minami (Keio Univ.)
Shigeaki Umeoka (Japanese Red Cross Wakayama Medical Center)
Yasuo Kosaka (Kanazawa Univ.)
Yoshiko Ueno (Kobe Univ.)

Special Program

· Special Program 1: Part 1  Musical Theatre Session: April 14 (Sat.) 15:45-16:10 (Main Hall)
  "Marching Stage" by Tokai University Wind Orchestra

· Special Program 1: Part 2  Special Talk Session: April 14 (Sat.) 16:10-16:50 (Main Hall)
  「Development of Human Resources in Sports」
  Moderator: Yutaka Imai (Tokai Univ.)
  Tatsunori Hara (Former Yomiuri Giants Manager)
  Kousei Inoue (National Coach of All-Japan Judo Federation)

· Special Program 2: April 14 (Sat.) 15:30-17:00 (304)
  「Radiology and Artificial Intelligence」
  Moderator: Shigeki Aoki (Juntendo Univ.)
  Norio Nakata (Jikei Univ. School of Medicine)
  Masahiro Jinzaki (Keio Univ.)
  1. American Efforts on Artificial Intelligence
  2. Japanese Efforts on Artificial Intelligence
  3. Radiology and Artificial Intelligence: State-of-the-Art Technology from Each Vendor
  Co-hosted by: Society of Artificial Intelligence in Medical Imaging

· Special Program 3: April 15 (Sun.) 10:50-11:50 (304)
  「JRS-JCR Joint Symposium on Gender Equality and Diversity. Work Style Reforms to Help Everyone Work in One's Own Ways (co-hosted by the Ministry of Health, Labour and Welfare)」
  Moderator: Aki Kido (Kyoto University Hosp.)
  Kanako Kumamaru (Juntendo Univ.)
  Reiko Tomura (MDS K. K.)
  Panelists: Manabu Minami (Univ. of Tsukuba)
  Keiko Kuriyama (Osaka National Hosp.)
  Aki Kido (Kyoto Univ.)
  Akihiro Sato (Sendai Medical Center)
  Takuya Okada (Kobe Univ.)
  Reiko Tomura (MDS K. K.)
  Bunji Ishimaru (The Ministry of Health, Labour and Welfare)

· Special Program 4 JCR Hour 2018: April 15 (Sun.) 13:00-14:30 (F205 + 206)
  「Pros and Cons of the Added-fee for Radiological Managements on Imaging-studies」
  Moderator: Kei Yamada (Kyoto Prefectural Univ. of Medicine)
  Masahiro Ida (Ebara Hosp.)
  1. How Do We Manage 'Added-fee for Radiological Managements on Imaging-studies (ARMI)?'
  Takahiro Inoue (Chiba University Hosp.)
  2. Radiologists Who Do Not Take ARMI
  Kohsuke Kudo (Hokkaido University Hosp.)
  3. Benefits of Stopping Obtaining Added-fee for Radiological Managements on Imaging-studies (ARMI)
  Toshinori Hirai (Univ. of Miyazaki)
4. From the View Point of Defending Added-fee for Radiological Managements on Imaging-studies
Kei Takase (Tohoku Univ.)

**Resident Seminar**

- **Resident Seminar (Diagnostic):** April 14 (Sat.) 9:10–11:40 (National Convention Hall)
  - [Introduction to Diagnostic Radiology for Avoiding Pitfalls] Moderator: Kenji Ogawa (Nippon Koukan Hosp.)
  - Shigeyuki Okuda (Keio Univ.)
  1. How to Avoid the Pitfalls in Diagnostic Neuroradiology Takeki Shinya (Yokohama Medical Center)
  2. Introduction to Diagnostic Radiology: Avoiding Pitfalls in Chest Imaging
  - Yasuyuki Kurihara (St. Luke’s International Hosp.)
  3. Image Findings of Spectrum of the Terminal Ileum Diseases
  - Tamaki Ichikawa (Tokai Univ.)
  4. Common Pitfalls in Renal and Upper Urinary Tract Imaging and How to Avoid Them
  - Hirotaka Akita (Keio Univ.)
  5. Imaging of Female Pelvic Disease
  - Hiroshi Shinmoto (National Defense Medical College)

- **Resident Seminar (Radiation Oncology):** April 13 (Fri.) 15:10–17:10 (National Convention Hall)
  - [Essentials of Recent Advances in Radiation Oncology] Moderator: Takeshi Akiba (Tokai Univ.)
  - Masaru Wakatsuki (Jichi Medical Univ.)
  1. Brain Tumor
  - Ken Harada (Tokai Univ.)
  2. Recent Advances in Radiotherapy for Lung and Liver Malignancies: VMAT and SBRT Can Improve Radical
  - Curability and Indication for Radiation
  - Atsuya Takeda (Ofuno Chuo Hosp.)
  3. A Review of Palliative Radiotherapy of Bone Metastases for Young Radiation Oncologists
  - Hiroshi Tanaka (Aichi Cancer Center Hosp.)
  4. Particle Therapies with Protons and Carbon Ions
  - Tatsuya Ohno (Gunma Univ. Heavy Ion Medical Center)

**Case-Based Educational Lecture**

- **Case-Based Educational Lecture 1:** April 12 (Thu.) 16:40–17:40 (302)
  - Meet the Expert: Learn the Tips of Diagnostic Imaging in the Female Pelvis through Case Presentation
  - Yumiko Oishi Tanaka (The Cancer Institute Hosp. of JFCR)
  - Moderator: Yoshifumi Narumi (Osaka Medical College)

- **Case-Based Educational Lecture 2:** April 12 (Thu.) 16:40–17:40 (303)
  - Meet the Expert: Learn the Tips of Diagnostic Imaging in the Head and Neck Regions through Case Presentation
  - Ryutaro Ukisu (Kitasato Univ.)
  - Moderator: Manabu Minami (Univ. of Tsukuba)

- **Case-Based Educational Lecture 3:** April 12 (Thu.) 16:40–17:40 (304)
  - Meet the Expert: Learn the Tips of Diagnostic Imaging in the Chest Region through Case Presentation
  - Masashi Takahashi (Yujin–Yamazaki Hosp.)
  - Moderator: Shuji Sakai (Tokyo Women’s Medical Univ.)

**Educational Lecture**

- **Educational Lecture 1:** April 13 (Fri.) 8:00–9:00 (National Convention Hall)
  - [MOC Requirements] Radiation Safety Protection 1
  - Moderator: Kazuko Ohno (Kyoto College of Medical Science)
  1. Dose Management in CT: The Role of Radiologists
  - Masaaki Akahane (International Univ. of Health and Welfare)
  2. Epidemiology of Radiation Effects
  - Kotaro Ozasa (Radiation Effects Research Foundation)
・Educational Lecture 2: April 13 (Fri.) 8:00–9:00 (Main Hall)
  [Gastrointestinal Radiology 1]
  1. Normal Anatomy and Developmental Contour Anomalies of the Pancreas  Shunro Matsumoto (Oita Univ.)
  2. Imaging of the Pancreas with CT and MRI  Shintaro Ichikawa (Univ. of Yamanashi)
  Moderator: Hiroyuki Irie (Saga Univ.)

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

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

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

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

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

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

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

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

・Educational Lecture 11: April 13 (Fri.) 9:10–10:10 (F205 + 206)
  [Radiation Oncology 3]
  Moderator: Kazuhiko Ogawa (Osaka Univ.)
Individualization and Advanced Technologies of Radiation Therapy for Breast Cancer

Chikako Yamauchi (Shiga General Hosp.)

Educational Lecture 12: April 14 (Sat.) 8:00-9:00 (National Convention Hall)

[ [MOC Requirements] Radiation Safety Protection 2 ]

Moderator: Yoshito Tsushima (Gunma University Hosp.)
1. Safety Issues in Usage of Contrast Media in Central Department of University Hospital
   Yoshifumi Narumi (Osaka Medical College)
2. Health Effects of Radiation
   Ohtsura Niwa (Radiation Effects Research Foundation)

Educational Lecture 13: April 14 (Sat.) 8:00-9:00 (Main Hall)

[ Gastrointestinal Radiology 2 ]

Moderator: Tomoaki Ichikawa (International Medical Center, Saitama Medical Univ.)
1. Imaging Diagnosis of Acute Pancreatitis
   Satoshi Goshima (Gifu University Hosp.)
2. Imaging Diagnosis of Chronic Pancreatitis
   Yoshifumi Noda (Gifu Univ.)

Educational Lecture 14: April 14 (Sat.) 8:00-9:00 (301)

[ Genitourinary Radiology 2 ]

Moderator: Kaori Togashi (Kyoto Univ.)
1. Pregnancy-related Complications: The Appropriate Choice of Imaging Modality and Radiological Manifestations
   Takahiro Tsuboyama (Osaka National Hosp.)
2. Clinical and Imaging Features of Gestational Trophoblastic Disease
   Yoshi Ueno (Kobe Univ.)

Educational Lecture 15: April 14 (Sat.) 8:00-9:00 (302)

[ Chest Radiology 1 ]

Moderator: Tae Iwasawa (Kanagawa Cardiovascular and Respiratory Center)
1. Chest Radiographic Interpretation of the Mediastinum
   Kazuto Ashizawa (Nagasaki Univ.)
2. Mediastinal Compartments
   Masaki Hara (Nagoya City West Medical Center)

Educational Lecture 16: April 14 (Sat.) 8:00-9:00 (303)

[ Neuroradiology 2 ]

Moderator: Hitoshi Miki (Ehime Prefectural Central Hosp.)
1. MR Imaging for Term Hypoxic-ischemic Encephalopathy
   Katsumi Hayakawa (Red Cross Kyoto Daiichi Hosp.)
2. Transition of MR Image after Birth
   Toshiaki Taoka (Nagoya Univ.)

Educational Lecture 17: April 14 (Sat.) 8:00-9:00 (304)

[ Head and Neck Radiology 1 ]

Moderator: Takao Kodama (Miyazaki Prefectural Miyazaki Hosp.)
1. Diagnostic Imaging of Benign and Malignant Neoplasm in Salivary Glands
   Etsushi Iida (Yamaguchi Univ.)
2. Non-neoplastic Disorder of Salivary Gland
   Minako Azuma (Univ. of Miyazaki)

Educational Lecture 18: April 14 (Sat.) 8:00-9:00 (311 + 312)

[ Nuclear Medicine 2 ]

Moderator: Hiroshi Toyama (Fujita Health Univ.)
1. Dementia - Brain Perfusion SPECT -
   Tohru Shiga (Hokkaido Univ.)
2. Imaging Biomarker for Dementia
   Etsuko Imabayashi (Medical HQs, Eisai Co., Ltd.)

Educational Lecture 19: April 14 (Sat.) 8:00-9:00 (313 + 314)

[ Musculoskeletal Radiology 2 ]

Moderator: Tsutomu Inaoka (Toho University Sakura Hosp.)
1. Muscle MR: Non-traumatic and Traumatic Lesions
   Yoshiko Hayashida (Univ. of Occupational and Environmental Health)
2. MR Imaging of Entrapment Neuropathy
   Masataka Uetani (Nagasaki Univ.)
Educational Lecture 20: April 14 (Sat.) 8:00–9:00 (315)
[IVR 2] Moderator: Yoshiaki Narimatsu (Kawasaki Municipal Hosp.)
1. The ISSVA Classification and Diagnosis of Vascular Malformations Keigo Osuga (Osaka Univ.)
2. Interventional Radiology for Vascular Malformations
   Hidefumi Mimura (St. Marianna Univ. School of Medicine)

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

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

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

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

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

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

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

Educational Lecture 28: April 15 (Sun.) 8:00–9:00 (301)
[Gastrointestinal Radiology 3] Moderator: Hiromu Mori (Oita Univ.)
1. Imaging Features of Rare Cystic Lesions of the Pancreas Yoshihiko Fukukura (Kagoshima Univ.)
2. Pancreas Lesions in Systemic Diseases (Focusing on IgG4-related Disease)
   Dai Inoue (Kanazawa University Hosp.)
Educational Lecture 29: April 15 (Sun.) 8:00-9:00 (302)
[Respiratory Tumors]
Moderator: Masahiko Kusumoto (National Cancer Center Hosp. East)
General Rules of TNM Staging System for Malignant Tumors: How to Apply the TNM Rules?
Hisao Asamura (Keio Univ.)

Educational Lecture 30: April 15 (Sun.) 8:00-9:00 (303)
[Neuroradiology 3]
Moderator: Reiichi Ishikura (Hyogo College of Medicine)
1. Molecular Mechanisms and Neuroimages of Cortical Dysgenesis Which Appears Not to Be Genetic
Mitsuhiro Kato (Showa Univ.)
2. Gene and Imaging 2
Harushi Mori (Univ. of Tokyo)

Educational Lecture 31: April 15 (Sun.) 8:00-9:00 (304)
[Nuclear Medicine 3]
Moderator: Hirotaka Maruno (Toranomon Hosp.)
1. The Examination Methods of Myocardial Perfusion SPECT
Shigeki Nagamachi (Fukuoka University Hosp.)
2. How to Evaluate the Myocardial Perfusion SPECT Imaging: From Visual Assessment to Interpretation of Functional Data
Keisuke Kiso (National Cerebral and Cardiovascular Center)

Educational Lecture 32: April 15 (Sun.) 8:00-9:00 (311 + 312)
[Pediatric Radiology 1]
Moderator: Masashi Koyama (Okayashi City Hosp.)
1. Imaging of Abusive Head Trauma (AHT)
Mikiko Miyasaka (National Center for Child Health and Development)
2. Diagnostic Imaging of Child Abuse. – Extracranial Injuries –
Eiji Oguma (Saitama Children’s Medical Center)

Educational Lecture 33: April 15 (Sun.) 8:00-9:00 (313 + 314)
[Head and Neck Radiology 2]
Moderator: Yoshihiro Toyama (Kagawa Univ.)
1. Imaging of the Thyroid Disease: CT and MRI
Noriyuki Fujima (Hokkaido University Hosp.)
2. Ultrasonography in Thyroid Diseases
Hiroko Satake (Nagoya Univ.)

Educational Lecture 34: April 15 (Sun.) 8:00-9:00 (315)
[IVR 3]
Moderator: Takuji Yamagami (Kochi Univ.)
1. Lung Biopsy, Preoperative Marking Prior to VATS
Hiroshi Miura (Kyoto Prefectural Univ. of Medicine)
2. Lung RFA: Current Status and Clinical Consideration
Haruyuki Takaki (Hyogo College of Medicine)

Educational Lecture 35: April 15 (Sun.) 8:00-9:00 (F205 + 206)
[MOC Requirements] Quality of Radiotherapy
Moderator: Masatoshi Hasegawa (Nara Medical Univ.)
Quality of Radiotherapy
Hiroyuki Muramatsu (Kiryu Kosei General Hosp.)

Educational Lecture 36: April 15 (Sun.) 9:10-10:10 (F205 + 206)
[Chest Radiology 3]
Moderator: Kiyoshi Murata (Shiga Univ. of Medical Science)
1. Chest Trauma Imaging
Yasuuki Kurihara (St. Luke’s International Hosp.)
2. Imaging of Congenital Lung Anomalies in the Adult
Shigeki Misumi (The Jikei Univ. Shool of Medicine)

Educational Lecture 37: April 15 (Sun.) 10:20–11:20 (F205 + 206)
[Pediatric Radiology 2]
Moderator: Yoshinobu Akasaka (Hyogo Children’s Hosp.)
1. Pediatric Abdominal Emergency Imaging in "Neonate", "Infant", and "Toddler"
Chihiro Tani (Hyogo Children’s Hosp.)
2. Image Findings of Abdominal Emergencies in Childhood and Adolescence
Motoo Nakagawa (Nagoya City Univ.)
・Educational Lecture 38: April 15 (Sun.) 10:50–11:50 (Main Hall)
  [MOC Requirements] Medical Ethics
  Conflict of Interest in Medical Research
  Hitoshi Arima (Yokohama City Univ., International College of Arts and Sciences)
  Moderator: Naoyuki Shigematsu (Keio Univ.)

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

指導者講習会
・指導者講習会 1: April 13 (Fri.) 10:50–11:50 (F205 + 206)
  Masumi Kadoya (Shinshu Univ.)

・指導者講習会 2: April 15 (Sun.) 13:00–14:00 (National Convention Hall)
  Yasushi Kaji (Dokkyo Medical Univ.)

Luncheon Seminar
・Luncheon Seminar 1: April 13 (Fri.) 12:00–12:50 (Main Hall)
  「Topics of Contrast enhanced CT and MRI」
  Optimization of iodine and gadolinium contrast medium administration using perfusion simulator
  Toru Higaki (Hiroshima Univ.)
  Clinical conditions and imaging findings relating to abnormal laboratory data (second fascicle).
  LDH and ALP; which do you trust?
  Takashi Koyama (Kurashiki Central Hosp.)
  Sponsored by: Eisai Co., Ltd.

・Luncheon Seminar 2: April 13 (Fri.) 12:00–12:50 (301)
  「New innovative generation of Canon MRI」
  Clinical Application of New High Resolution 3D Imaging ～Additional Value for Accurate Diagnosis～
  Kohei Hamamoto (Saitama Medical Center, Jichi Medical Univ.)
  Impact of Deep Learning Reconstruction on MR Images
  Mika Kitabatake (Kumamoto Univ.)
  Sponsored by: Canon Medical Systems Corporation

・Luncheon Seminar 3: April 13 (Fri.) 12:00–12:50 (302)
  「Clinical Applications of 3D printing in Cardiovascular Medicine」
  Moderator: Yasushi Koyama (Sakurabashi Watanabe Hosp.)
  Akira Kurata (Ehime Univ.)
  Sponsored by: Bayer Yakuhin, Ltd.

・Luncheon Seminar 4: April 13 (Fri.) 12:00–12:50 (303)
  「Expanding Precision Medicine through innovation」
  How can Dual Source CT contribute to "precision medicine" and "personalized medicine"?
  Morikatsu Yoshida (Amakusa Medical Center)
  How can we take advantage of Dual Energy imaging in abdominal emergency medicine?
  Takehiko Gokan (Syowa Univ.)
  Sponsored by: Siemens Healthcare K.K.
Luncheon Seminar 5: April 13 (Fri.) 12:00~12:50 (304)
Clinical topics of cardiac MRI
1. MRI for cardiac sarcoidosis in a clinical setting
   Atsushi Kono (National Cerebral and Cardiovascular Center)
2. Clinical utilization of cardiac MRI
   Tomoyuki Kido (Ehime Univ.)
Sponsored by: FujiPharma Co., Ltd.

Luncheon Seminar 6: April 13 (Fri.) 12:00~12:50 (311 + 312)
Potentiality of Diagnosis Support Service utilizing AI
1. Diagnostic Support Technology for Breast Ultrasound and Prostate MRI
   Hirokazu Nosato (National Institute of Advanced Industrial Science and Technology (AIST))
2. EIRL: AI Medical Image Diagnostic Support Technology
   Yuki Shimahara (LPixel Inc.)
Sponsored by: NOBORI Ltd.

Luncheon Seminar 7: April 13 (Fri.) 12:00~12:50 (313 + 314)
Dynamic Chest Radiography Using Flat Panel Detector System: Technique and Clinical Usefulness
   Moderator: Masahiro Jinzaki (Keio Univ.)
   Technique
     Rie Tanaka (Kanazawa Univ.)
   Clinical Usefulness (1)
     Yoshitake Yamada (Keio Univ.)
   Clinical Usefulness (2)
     Tomoyuki Hida (Brigham and Women’s Hospital, Harvard Medical School/Kyushu Univ.)
Sponsored by: KONICAMINOLTA, INC.

Luncheon Seminar 8: April 13 (Fri.) 12:00~12:50 (315)
Next generation diagnostic imaging!
   Moderator: TBC
1. IQon spectral CT opens a door for new era of cardiovascular imaging
   Noriko Manabe (Hokkaido Univ.)
2. Clinical impact of C SENSE – Beyond the time saving –
   Kazuhiro Katahira (Kumamoto Chuo Hosp.)
Sponsored by: Philips Japan, Ltd.

Luncheon Seminar 9: April 13 (Fri.) 12:00~12:50 (416 + 417)
"AI" technology in diagnostic imaging
   Moderator: Takamichi Murakami (Kobe Univ.)
1. Advancement of image diagnostic assistance using artificial intelligence
   – RSNA 2017 announcements and trends in expanded application of artificial intelligence –
   Norio Nakata (Tokyo Jikei Medical Univ.)
2. Present and future prospects of FUJIFILM’s AI utilization in image diagnostic assistance
   Yuanzhong Li (FUJIFILM Corporation)
Sponsored by: FUJIFILM Medical Co., Ltd.

Luncheon Seminar 10: April 13 (Fri.) 12:00~12:50 (F205 + 206)
Discussion, Chemoradiotherapy of unresectable stage III non-small cell lung cancer
   Moderator: Yasumasa Nishimura (Kindai Univ.)
   Takayasu Kurata (Kansai Medical Univ.)
   Hideyuki Harada (Shizuoka Cancer Center)
Sponsored by: AstraZeneca K.K.
• Luncheon Seminar 11: April 14 (Sat.) 12:00-12:50 (Main Hall)
  「Clinical Forefront with Next Generation CT Technology」
  Moderator: Kuni Otomo (International Univ. of Health and Welfare)
  1. New Generation CT: Advancement in the Chest CT Diagnosis
     Noriyuki Tomiyama (Osaka Univ.)
  2. Breakthrough of the Reconstruction Technology using Deep Learning
     Kazuo Awai (Hiroshima Univ.)
  3. Development of Upright CT with 320-row detector - Visualization of the Effects of Gravity on the whole Human Body -
     Masahiro Jinzaki (Keio Univ.)
Sponsored by: Canon Medical Systems Corporation

• Luncheon Seminar 12: April 14 (Sat.) 12:00-12:50 (301)
  「To the Next Stage of Dual Energy CT」
  Moderator: Takamichi Muramaki (Kobe Univ.)
  Fuminari Tatsungami (Hiroshima Univ.)
  Satoshi Goshima (Gifu Univ.)
Sponsored by: GE Healthcare Japan

• Luncheon Seminar 13: April 14 (Sat.) 12:00-12:50 (302)
  「The latest innovative medical care created by mass spectrometric techniques
   - Outcome of merging various technologies -」
  Moderator: Susumu Kanazawa (Okayama Univ.)
  Development of new AVS Procedures by using mass spectrometer and its future perspective.
  Kei Takase (Tohoku Univ.)
Sponsored by: Shimadzu Corporation

• Luncheon Seminar 14: April 14 (Sat.) 12:00-12:50 (303)
  「Let's collect and convert data to information for artificial intelligence」
  Moderator: Kazuo Sugimura (Kobe Univ.)
  Mototaka Miyake (National Cancer Center Hosp.)
Sponsored by: Yokogawa Medical Solutions Corporation

• Luncheon Seminar 15: April 14 (Sat.) 12:00-12:50 (304)
  「How to use Cingulate Island Sign in dementia diagnosis.」
  Moderator: Tomohiro Kaneta (Yokohama City Univ.)
  1. A foundation for the appropriate usage of CIS as a biomarker.
     Masashi Kameyama (Tokyo Metropolitan Geriatric Hosp.)
  2. The usefulness of CIS in DLB diagnosis.
     Noriyuki Kimura (Oita Univ.)
Sponsored by: FUJIFILM RI Pharma Co., Ltd.

• Luncheon Seminar 16: April 14 (Sat.) 12:00-12:50 (311 + 312)
  「Topics of deep learning and its application to medical image recognition」
  Moderator: Masaki Matsusako (St. Luke's International Hosp.)
  Takeshi Hara (Gifu Univ.)
Sponsored by: J-MAC SYSTEM, Inc.

• Luncheon Seminar 17: April 14 (Sat.) 12:00-12:50 (313 + 314)
  「New Challenge For Image Diagnostics: Next Generation PACS utilizing Big Data」
  Moderator: Koichiro Murata (Kitasato University Medical Center)
  1. Utilization of Big Data in Healthcare
     Tomohiro Sawa (Teikyo Univ.)
  2. INFINITT's Next Generation PACS and Data Mining Software: Solution for further improvement in Reading Productivity
     Masanori Ishida (The Univ. of Tokyo Hosp.)
Sponsored by: INFINITT JAPAN Co., Ltd
· Luncheon Seminar 18: April 14 (Sat.) 12:00–12:50 (315)
   "Clinical and Research MRI of Brain using Simultaneous Multi–Slice technique."
   Moderator: Tomohisa Okada (Kyoto Univ.)
   Masaki Hori (Juntendo Univ.)
   Sponsored by: Siemens Healthcare K. K.

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

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

· Luncheon Seminar 21: April 15 (Sun.) 12:00–12:50 (Main Hall)
   "The value of contrast–enhanced CT in the emergency care setting"
   Moderator: Takamichi Murakami (Kobe Univ.)
   Hiroshi Kondo (Teikyo Univ.)
   Sponsored by: DAIICHI SANKYO CO., LTD.

· Luncheon Seminar 22: April 15 (Sun.) 12:00–12:50 (301)
   "Vision of 3.0T MR Faster scan technology"
   Moderator: Osamu Abe (The University of Tokyo)
   Yasuyuki Kobayashi (St. Marianna Univ.)
   Utaro Motosugi (Univ. of Yamanashi)
   Sponsored by: GE Healthcare Japan

· Luncheon Seminar 23: April 15 (Sun.) 12:00–12:50 (302)
   "Medical Payment System 2018"
   Moderator: Shigeki Aoki (Juntendo Univ.)
   Masahiro Ida (Ebara Hosp.)
   Sponsored by: Bayer Yakuhin, Ltd.

· Luncheon Seminar 24: April 15 (Sun.) 12:00–12:50 (303)
   "The Current Situation of Brain Amyloid Imaging and Its Future Prospects"
   Moderator: Yusuke Inoue (Kitasato Univ.)
   Kazunari Ishii (Kindai Univ.)
   Sponsored by: Nihon Medi–Physics Co., Ltd.

· Luncheon Seminar 25: April 15 (Sun.) 12:00–12:50 (304)
   "Proper use and safety of iodinated contrast medium"
   Moderator: Yasuyuki Yamashita (Kumamoto Univ.)
   1. Proper use of contrast material based on the contrast–enhanced CT theory
   Satoshi Goshima (Gifu Univ.)
   2. Safety of iodinated contrast medium injection for CT
   Tatsuya Gomi (Toho Univ. Ohashi Medical Center)
   Sponsored by: FujiPharma Co., Ltd.
· Luncheon Seminar 26: April 15 (Sun.) 12:00–12:50 (311 + 312)
  [Efficient reading on PACS: Latest advances of PACS Viewer and how to communicate with vendor.]
  Moderator: Yasushi Kaji (Dokkyo Medical Univ.)
  Hiroaki Arakawa (Dokkyo Medical Univ.)
  Satoru Takahashi (Takatsuki Hosp.)

  Sponsored by: Carestream Health Japan Co., Ltd.

· Luncheon Seminar 27: April 15 (Sun.) 12:00–12:50 (313 + 314)
  [New Horizon of 4D Imaging.]
  1. Post-processing in cardiac MRI: Clinical utility of ZioStation2
     Yoshiaki Morita (National Cerebral and Cardiovascular Center)
  2. New insight of cardiac 4D analysis using CT strain and coronary flow map
     Michinobu Nagao (Tokyo Women’s Medical Univ.)

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

· Luncheon Seminar 28: April 15 (Sun.) 12:00–12:50 (315)
  [The future of radiological imaging.]
  1. Capability of HITACHI 3T TRILLIUM OVAL in the abdominal imaging
     Yuko Nakamura (Hiroshima Univ.)
  2. Towards Radiology Support with AI
     Takashi Shirahata (Hitachi, Ltd.)

  Sponsored by: Hitachi, Ltd.

· Luncheon Seminar 29: April 15 (Sun.) 12:00–12:50 (416 + 417)
  [Impact of spectral CT on clinical practice - Makes an impact double with AZE new technique -]
  Moderator: Masahiro Jinzaki (Keio Univ.)
  Kazuhiro Katahira (Kumamoto Chuo Hosp.)

  Sponsored by: AZE,Ltd.

· Luncheon Seminar 30: April 15 (Sun.) 12:00–12:50 (F205 + 206)
  [Halcyon™ — Bringing simplicity and efficiency to modern radiotherapy.]
  Moderator: Tetsuo Akimoto (National Cancer Center Hospital East)
  Parag Sanghvi (University of California San Diego Health, USA)

  Sponsored by: Varian Medical Systems K.K.
Educational Exhibition Programs

April 12 (Thu.)～April 15 (Sun.)

Neuro/Head/Neck

E001 Waste Clearance System in the Brain (Lymphatic System) and Gd Deposition of the Brain
Toshiaki Tacka / Dept. of Radiology, Nagoya University

E002 Presurgical Functional MRI: Requisites
Shunj Ujiikura / Diagnostic Radiology, Tohoku University

E003 Imaging Findings of Focal Cortical Dysplasia Based on the New ILAE Classification
Erko Takabayashi / Dept. of Radiology, Aashikawa Medical University/Hospital

E004 Imaging of Hypertrophic Pachymeningitis with ANCA-associated Vasculitis
Mariko Doai / Dept. of Radiology, Kanazawa Medical University

E005 Demonstration of Perforating Arteries by Ultra-High-Resolution Brain CT Angiography
Mih Gorny / Dept. of Radiology, Kyorin University Faculty of Medicine

E006 The Significance of MR Imaging in Diagnosis of Facial Palsy
Ayunm Kato / Dept. of Radiology, Faculty of Medicine, Tottori University

E007 Neuroimaging in Traumatic Head Injury: Dual Energy CT
Norihito Naruto / Dept. of Radiology, Univ. of Tayaama

E008 Clinical Imaging in Acute Ischemic Stroke
Masahiro Navata / Dept. of Radiology, Tomiaga Hospital

E009 Structural and Functional Imaging in Autosomal Dominant Spino cerebellar Degeneration in Japan
Makoto Ochi / Dept. of Radiology, Nagasaki Kita Hospital

E010 Temporal Bone CT Evaluation of Middle Ear Cholesteatoma Using Ultra-high-resolution CT
Arisa Ohara / Dept. of Radiology, Kyorin University Faculty of Medicine

E011 Pseudocontinuous Arterial Spin Labeling: Clinical Applications and Usefulness for Head and Neck Entities
Maki Umino / Dept. Radiology, Mie University School of Medicine

E012 MR and CT Angiography Findings of Common Carotid and Cervical Internal Carotid Artery Variations
Akira Uchino / Dept. of Diagnostic Radiology, Saitama Medical University International Medical Center

E013 Imaging Characteristics of Malignant Sinonasal Tumors
Aiko Kato / Dept. of Radiology, Gifu University School of Medicine

E014 Central Skull Base Lesions: Anatomy, Tumor and Tumor-like Lesions
Ayano Ishiyama / Dept. of Radiology, Nagasaki University Hospital

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

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

Chest

E017 Pulmonary Anatomical Points for Lobectomy
Hideaki Otsuji / PET Nishinokyo Hospital

E018 Imaging Findings of Lesions of the Pulmonary Vessels
Yoshifumi Ozawa / Dept. of Radiology, Nagoya City University Graduate School of Medical Sciences

E019 Spectrum of Findings in Patients with Influenza Virus Associated Pneumonia
Yuki Shinom / Department of Radiology, University of the Ryukyus Hospital, Okinawa, Japan

E020 Mycobacteriosis in Immunosuppressive Patients: Imaging Findings
Kiyomi Furuya / Dept. Radiology, National Kyushu Medical Center

E021 Do You Check Lines and Tubes on Routine Thoracic Imaging?
Kengo Fujimoto / Dept. Radiology, Kagawa University School of Medicine

E022 Pulmonary Nodules with Unexpected Diagnosis after Resection
Hiromitsu Sumikawa / Department of Diagnostic Radiology, Osaka International Cancer Institute

E023 High Resolution CT Findings of Diffuse Alveolar Hemorrhage (DAH)
Fumi Kaneda / Dept. of Radiology, Yamaguchi University Graduate School of Medicine

Cardiovascular

E024 Noninvasive Fractional Flow Reserve Derived from Coronary CT Angiography: Past, Present and Future
Hidenobu Takagi / Dept. of Radiology, Iwate Medical University

E025 Hypoplastic Left Heart Syndrome. The Fundamental Knowledge of the Pathophysiology and Morphological Changes
Norihito Hashizume / Department of radiology, Showa University Northern Yokohama Hospital

E026 Revisiting Normal Variants and Collateral Circulation of Renal Arteries after Embolization
Shoichi Takekawa / Dept. of Diagnostic Radiology, Southern TOHOKU General Hospital

E027 Spectrum of IgG4 Related Disease: Response to Steroid Therapy
Motoki Soto / Dept. of Radiology, Kamagaya General Hospital

E028 Coronary Artery Calcification: What Radiologists Should Know
Makoto Amanuma / Dept. of Radiology, Takekse Clinic
<table>
<thead>
<tr>
<th>Program</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coronary Risk Factors: What and How Much to Consider for Assessment of Coronary CT Angiography</td>
<td>Makoto Amanuma</td>
<td>dep. of Radiology, Takase Clinic</td>
<td></td>
</tr>
<tr>
<td>Diagnostic Imaging of Heart Tumors and Mimicking Tumors</td>
<td>Shunta Ishiiyama</td>
<td>Department of Radiology, Asahikawa Medical University, Asahikawa, Japan</td>
<td></td>
</tr>
<tr>
<td>Aortic Disease in the Emergency Room: Pictorial Review</td>
<td>Takashi Norikane</td>
<td>Department of Radiology, Faculty of Medicine, Kagawa University</td>
<td></td>
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<tr>
<td>Vascular Malformation: Aortic Arch Malformation and Inferior Vena Cava Malformation</td>
<td>Ryuzo Sekiguchi</td>
<td>dep. of Radiology, Toho University Ohashi Medical Center</td>
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<tr>
<td>Hepatobiliary/Pancreas</td>
<td></td>
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</tr>
<tr>
<td>How Do You Manage Hepatic Portal Venous Gas (HPVG)?</td>
<td>Yuko Sano</td>
<td>dep. of Radiology, Kyoto Yamashiro General Medical Center</td>
<td></td>
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<tr>
<td>CT and MRI Images of Pancreatic Neuroendocrine Tumors: Typical and Non-Typical Images</td>
<td>Akiko Kani</td>
<td>Department of Radiology, Kawasaki Medical School</td>
<td></td>
</tr>
<tr>
<td>Imaging of Pediatric and Adult Patients with Anomalous Pancreatobiliary Ductal Junction</td>
<td>Takaharu Tsuda</td>
<td>dep. of Radiology, Ehime University Graduate School of Medicine</td>
<td></td>
</tr>
<tr>
<td>Imaging of IPMC: What the Radiologists Need to Know</td>
<td>Reiji Sugita</td>
<td>dep. of Radiology, Sendai Open HP</td>
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<tr>
<td>Hepatic Lesions Accompanied by Dilatation of the Intrahepatic Bile Duct</td>
<td>Kiyohito Yamamoto</td>
<td>dep. of Radiology, Osaka Medical College</td>
<td></td>
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<tr>
<td>Knack and Pitfalls of Interpretation of Gd-EOB-DTPA Enhanced MRI</td>
<td>Kita Azusa</td>
<td>Department of Radiology, Kanazawa University Hospital</td>
<td></td>
</tr>
<tr>
<td>Multimodality Imaging and Clinical Manifestations of Hepatobiliary and Pancreatic Mucinous Neoplasms</td>
<td>Tetsuya Tachibana</td>
<td>dep. of Radiology, Nara Medical University Hospital</td>
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<td>Imaging of Hypervascular Tumors of the Pancreas</td>
<td>Yasuo Fujimoto</td>
<td>dep. of Radiology, Asahikawa Medical College</td>
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<td>Gastrointestinal</td>
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<td>A New Diagnostic Standard Practice in Radiological Gastric Cancer Screening</td>
<td>Takahiro Ishii</td>
<td>dep. of Radiology, Nara Medical University</td>
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<td>Differentiation of Groin Masses: New Findings on the Discrimination Point of the Femoral Hernias</td>
<td>Takashi Furuike</td>
<td>dep. of Radiology, Tokyo metropolitan Ohsuka hospital</td>
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<td>Volvulus of the Gastrointestinal Tract: Clinical and Radiological Characteristics</td>
<td>Kazuya Matsunari</td>
<td>dep. of Radiology, Showa University Northern Yokohama Hospital</td>
<td></td>
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<tr>
<td>Imaging Manifestations of Hereditary Gastrointestinal Tract Diseases and Associated Lesions</td>
<td>Hitoshi Aba</td>
<td>dep. of Radiology, Toyama Prefectural Cent. Hospital</td>
<td></td>
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<td>Imaging of Lower Gastrointestinal Bleeding</td>
<td>Eiko Tanaka</td>
<td>dep. of Radiology, Showa University Fujigaoka Hospital</td>
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<td>Diagnostic Recipe for Gastric Tumor: Correlation of Radiological Features with Histopathological Findings</td>
<td>Kyoyuki Minamiguchi</td>
<td>dep. of Radiology, Nara Medical University</td>
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<td>Uroradiology</td>
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<td>Clinical Utility of PI-RADS 2 Assessment: Correlation of Multiparametric MRI and PI-RADS Version 2 Assessment with Prostate Whole Mount Histology</td>
<td>Takashi Tanaka</td>
<td>dep. of Radiology, Okayama University Hospital</td>
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<td>Detection and Characterization of Small Renal Cell Carcinoma (≤ 4 cm) on Non-Contrast CT</td>
<td>Aiko Gobara</td>
<td>dep. of Radiology, Shimane University Faculty of Medicine</td>
<td></td>
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<tr>
<td>Percutaneous Nephrolithotomy: Role of Multidetector Computed Tomography in Pre- and Post-Surgical Assessment</td>
<td>Natsuko Kobayashi</td>
<td>dep. of Radiology, SUNY Upstate Medical University</td>
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<td>Obstetrics/Gynecology</td>
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<td>Clinical and Radiological Features of Urogenital Torsion</td>
<td>Chisa Yoneima</td>
<td>dep. of Radiology, Nara Medical University</td>
<td></td>
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<tr>
<td>The Supporting Structures of the Female Pelvis: Radiological and Pathological Features with Emphasis on MR Imaging</td>
<td>Takoru Fukunaga</td>
<td>Division of Radiology, Tottori University Faculty of Medicine</td>
<td></td>
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<tr>
<td>Diagnostic and Therapeutic Strategy for Germ Cell Tumors of the Ovary</td>
<td>Mayumi Takeuchi</td>
<td>dep. of Radiology, Tokushima University</td>
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<tr>
<td>Breast</td>
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<td>Relationship between Breast MRI and Concept about Progression Pathways of Development of Invasive Cancer from DCIS</td>
<td>Takayoshi Uematsu</td>
<td>dep. of Breast Imaging and Breast Intervention</td>
<td></td>
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<td>Imaging Findings of Benign Breast Lesions: Diagnostic Difficulty in Excluding Malignancy</td>
<td>Yukihisa Takayama</td>
<td>dep. of Radiology, Kitakyushu Municipal Medical Center</td>
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<td>Appearance of Complex Cystic Breast Masses: Focusing on US and MRI</td>
<td>Satoko Ishigaki</td>
<td>dep. of Radiology, Nagoya University Graduate School of Medicine</td>
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</tr>
</tbody>
</table>
Musculoskeletal

E056 Imaging Features of Primary Synovial Chondromatosis: Comparison with Histopathological Findings
Ayaka Mikoshi / Dept. of Radiology, National Defense Medical College

E057 Imaging of Chest Wall Tumors and Tumor-like Lesions
Naoki Kunitomo / Dept. of Radiology, Jichi Medical University
School of Medicine

E058 Ultrasonography Diagnosis of Superficial Soft-tissue Lesions: Clinicopathological Correlation with Imaging Findings
Kohel Hamamoto / Dept. of Radiology, Saitama Medical Center, Jichi Medical University

Pediatric

E059 Xp, CT and MRI Imaging Characteristics of Pediatric Leukemia
Satoshi Yabuzaki / Dept. of Diagnostic and Interventional Radiology, Hokkaido University Hospital

E060 Pathological Intracranial Calcification in Childhood: A Pictorial Review
Shigeki Kusawashima / Department of Radiology Dokkyo Medical University

E061 Rare Neurologic Complications of Pediatric Cancer
Tetsuiko Okabe / Dept. of Radiology, Yokohama City University

E062 Fetal MRI: Minimal Essentials for Clinical Examination
Katsutoshi Horiuichi / Department of Radiology, Nara Medical University

Whole body

E063 Possibility of Deep Learning Technique in CT Image Reconstruction
Yuko Nakamura / Diagnostic Radiology, Hiroshima University

E064 FAKE CASES That Mimic Localized Cellulitis
Keita Inoue / Dept. Radiology, Osu Red cross Hospital

E065 Diagnostic Imaging of the Teratomas; What a Strange Tumor!
Shinya Hattori / Dept. of Radiology, Chiba University Hospital

E066 Imaging of Lipoma
Naofumi Watanabe / Dept. of Radiology, Asahikawa Medical University

Emergency

E067 Diffuse Axonal Injury and Diffuse Vascular Injury: Pathological and Radiological Features
Yumi Tai / Dept. of Radiology, Nara Prefectural Seiya Medical Center

E068 MR Imaging of Acute Abdomen Correlated with CT Imaging: A Pictorial Essay
Akitsuki Inoue / Dept of Radiology, Higashi-Omni General Medical Center

Miscellaneous

E069 Clinical Impacts of Ultra-high-resolution CT Combined with Iterative Reconstruction Algorithm
Yuusuke Kinoshita / Dept. of Radiology, Kyorin University
Faculty of Medicine

E070 Review of CT Imaging Related with Complications from the Administration of Iodinated Contrast Media
Takayoshi Shiryna / Dept. of Radiology, Okayama University Hospital

E071 Pharmacological Prevention of Allergic–like Reactions Caused by Iodinated and Gadolinium–based Contrast Media: A Systematic Review
Hiroyasu Umakoshi / Dept. of Radiology, Komaki City Hospital

E072 Oft Overlooked Lesions of the Diaphragmatic Crura and Retrocrural Space
Nishiyama Tomoya / Dept. of Radiology, St Luke’s International Hospital

E073 Imaging of Paraganglioma: A Comprehensive Review
Shiji Nagata / Dept. of Radiology, Kurume University School of Medicine

Nuclear Medicine

E074 MRI and Nuclear Medicine Imaging Patterns of Frontotemporal Dementia
Atsushi Nakanishi / Dept. of Radiology, Junendo University School of Medicine

E075 Test–retest Reproducibility of Specific Binding Ratio for DAT Scan by Using Bland–Altman Analysis
Atsutaka Okizaki / Department of Radiology, Asahikawa Medical University

E076 Usefulness of Gallium–67 Scintigraphy with CT and MRI Findings for Differentiation of Malignant Tumors and Inflammatory Lesions of the Jaws
Ichiro Ogura / Radiology, The Nippon Dental University Niigata Hospital

E077 The Effects of Apitherapy in Preventing Salivary Gland Disorder during 131 Ablation in Patients with Differentiated Thyroid Cancer
Michihiro Nakayama / Dept. of Radiology, Asahikawa Medical University

E078 FDG-PET/CT Imaging of Tumor and Tumor-like Hepatic Lesions: Correlation between Uptake and the Molecular Mechanism
Kumi Ozaki / Dept. of Radiology, Fukui Prefectural Hospital

E079 Diagnosis of Recurrence and Metastasis of Prostate Cancer Using Nuclear Medicine Imaging
Hayato Kaida / Dept. of Radiology, Kindai University Faculty of Medicine

E080 FDG PET/CT Findings of Central Nerve System Lymphoma: A Pictorial Essay
Koya Nakatani / Dept. of Diagnostic Radiology, Kurashiki Central Hospital

E081 Pitfalls and Artifacts in the Interpretation of Oncologic FDG-PET/CT
Mana Ishibashi / Dept. of Radiology, Tottori Univ.
<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Speaker(s)</th>
<th>Institution(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiation Oncology</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>E082</td>
<td>Diagnostic Imaging of Breast Cancer for Accelerated Partial Breast Irradiation (APBI)</td>
<td>Kazunori Kubota / Dept. of Diagnostic Radiology, Tokyo Medical and Dental Hospital</td>
<td></td>
</tr>
<tr>
<td>E096</td>
<td>Roles of Postmortem Imaging Diagnosis in Medical Settings</td>
<td>Seiji Shiotani / Dept. of Radiology, Seirei Fuji Hospital</td>
<td></td>
</tr>
<tr>
<td>Interventional Radiology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E083</td>
<td>Early Experiences in the Treatment of Hepatic Malignancy with Transarterial Chemoembolization (TACE) Using Drug-eluting Beads</td>
<td>Kotaro Yasui / MR center, Okayama Saienkai General Hospital</td>
<td></td>
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<tr>
<td>E084</td>
<td>TACE Marking of HCC by Diluted and Warmed Lipiodol Emulsion with Contrast Material for CT-guided RFA</td>
<td>Taichi Kuruse / Dept. of Diagnostic Radiology, Hiroshima Prefectural Hospital</td>
<td></td>
</tr>
<tr>
<td>E084</td>
<td>Fundamentals of Imaging Strategies and Interventional Radiology Procedures for Gastrointestinal Arterial Bleeding for Trainees</td>
<td>Satoru Morita / Dept. of Diagnostic Imaging and Nuclear Medicine, Tokyo Women's Medical University Hospital</td>
<td></td>
</tr>
<tr>
<td>E086</td>
<td>Central Venous Access Port with Translumbar Inferior Vena Cava Cannulation</td>
<td>Shuji Kariya / Dept. of Radiology, Kansai Medical University</td>
<td></td>
</tr>
<tr>
<td>E087</td>
<td>CT Guided Biopsy for the Analysis of Epidermal Growth Factor Receptor (EGFR) T790M Mutation</td>
<td>Miyuki Nakatani / Dept. of Radiology, Kansai Medical University</td>
<td></td>
</tr>
<tr>
<td>E088</td>
<td>Two Ways to Make PVP Safe</td>
<td>Hiroshi Nakatake / Dept. of Radiology, NCGM</td>
<td></td>
</tr>
<tr>
<td>E089</td>
<td>Usefulness of Dynamic Density Optimization (DDO) in Venous Interventional Radiology (IVR) for the Purpose of Reducing Motion Artifacts</td>
<td>Hidekatsu Tateishi / Dept. of Radiology, Kyorin University Faculty of Medicine</td>
<td></td>
</tr>
<tr>
<td>E090</td>
<td>The Method of Virtual Liver Parenchymal Perfusion Using Existing 3-dimensional Workstation and Simulation Software in Conventional Transcatheter Arterial Chemoembolization</td>
<td>Mitsuhiro Kinoshita / Tokushima University Hospital</td>
<td></td>
</tr>
<tr>
<td>E091</td>
<td>Rationale of Biliary Stent with Antireflux System for Lower Biliary Obstruction</td>
<td>Hiroshi Anai / Dept. of Radiology and R&amp;D Center for IVR, Nara City Hospital</td>
<td></td>
</tr>
<tr>
<td>E092</td>
<td>Novel Sedative Method for Interventional Radiology Procedures: Utility of Dexmedetomidine</td>
<td>Emiko Chiba / Dept. of Radiology, Saitama Medical Center, Jichi Medical University</td>
<td></td>
</tr>
<tr>
<td>E093</td>
<td>To Better Understand “Micro Balloon Catheter with a Side Hole.”</td>
<td>Kazushiro Yamamoto / Dept. of Radiology, Osaka Medical College</td>
<td></td>
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<td>Autopsy imaging</td>
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<tr>
<td>E094</td>
<td>Post-mortem Imaging for Detecting the Cervical Spine Injuries; Utility, Pitfalls, and Promising Modalities</td>
<td>Yosuke Makino / Dept. of Forensic Medicine, The University of Tokyo</td>
<td></td>
</tr>
<tr>
<td>E096</td>
<td>Interpretation of Postmortem CT in the Forensic Field; When It’s Helpful, When It’s Not</td>
<td>Maiko Yoshida / Chiba University Center for Education and Research in Legal Medicine, Chiba, Japan</td>
<td></td>
</tr>
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<td>IT/PACS/Education</td>
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<tr>
<td>E097</td>
<td>Artificial Intelligence Using Neural Network Architecture For Radiology (AInNAR)</td>
<td>Takuya Hiiraishi / Dept. of Radiology, NCGM</td>
<td></td>
</tr>
<tr>
<td>E099</td>
<td>Artificial Intelligence Using Neural Network Architecture for Radiology (AInNAR): The Decoding of the Technical Terms in AI</td>
<td>Fumiyuki Uchiyama / Dept. of Radiology, NCGM</td>
<td></td>
</tr>
<tr>
<td>E100</td>
<td>Superficial Learning about “Deep Learning”: What Radiologists Should Know</td>
<td>Rintaro Ito / Dept. of Radiology, Nagoya University School of Medicine</td>
<td></td>
</tr>
<tr>
<td>E101</td>
<td>Learning Materials Based on “Instructional Design” to Improve Educational Skills of Medical Doctors</td>
<td>Shoko Arifyshi / Dept. of Radiology, Yamaguchi University Graduate School of Medicine</td>
<td></td>
</tr>
<tr>
<td>E102</td>
<td>How to Read Chest CT and MRI Films.: The First Step</td>
<td>Jiro Terada / Freelance</td>
<td></td>
</tr>
</tbody>
</table>
# Oral Presentation Programs

## April 12 (Thu.)

15:40-16:30 (302)

<table>
<thead>
<tr>
<th>No.</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>Evaluating Myometrial Invasion of Endometrial Cancer Patients with Reduced Field of View Diffusion-Weighted Imaging</td>
<td>Akira Akutsu / Dept. of Radiology, Chiba University Hospital</td>
</tr>
<tr>
<td>002</td>
<td>Diffusion-Tensor Imaging of the Uterus and Endometrial Carcinoma: Comparison with Immunohistochemical Findings</td>
<td>Ichiro Yamada / Dept. of Diagnostic Radiology and Nuclear Medicine, Graduate School, Tokyo Medical and Dental University</td>
</tr>
<tr>
<td>003</td>
<td>Dynamic Contrast-Enhanced MR Imaging Using FatSat-DISCO for the Evaluation of the Female Pelvis and Vascular Anatomy</td>
<td>Kenshi Kawamura / Dept. of Radiology, Seiheki Hamamatsu General Hospital</td>
</tr>
<tr>
<td>004</td>
<td>The Relationship between Preoperative Magnetic Resonance Imaging Findings and Uterine Fibroid Reduction after Uterine Artery Embolization</td>
<td>Hiroshi Shimizu / Dept. of Radiology, Kansai Medical University</td>
</tr>
<tr>
<td>005</td>
<td>The Influence Factors of Perfusion Data of Whole Uterus Volume CT Perfusion in the Patients with Cervical Squamous Carcinoma</td>
<td>Ruitong Dong / Department of Radiology, Cancer Hospital of China Medical University</td>
</tr>
</tbody>
</table>

15:40-16:30 (303)

<table>
<thead>
<tr>
<th>No.</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>006</td>
<td>MR Imaging of Orbital Solitary Fibrous Tumor: Radiologic-Pathologic Correlation</td>
<td>Ryuhel Masano / Dept. of Radiology, Tokyo Medical University</td>
</tr>
<tr>
<td>007</td>
<td>Imaging Findings of Primary IgG4-related Cervical Lymphopapathy</td>
<td>Masaya Kawaguchi / Dept. of Radiology, Gifu University School of Medicine</td>
</tr>
<tr>
<td>008</td>
<td>Usefulness of Dual-layer CT in Follow-up Examinations: Differentiation between Posttreatment Changes and Recurrent Squamous Cell Carcinomas in Head and Neck</td>
<td>Koji Takumi / Department of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences</td>
</tr>
<tr>
<td>009</td>
<td>The Value of Dynamic Monitoring of Thyroglobulin Doubling Time in Differentiated Thyroid Carcinoma</td>
<td>Xueyi Zhang / Department of Diagnostic Radiology and Nuclear Medicine, Gunma University</td>
</tr>
<tr>
<td>010</td>
<td>CT Characteristics of Eosinophilic Lymphoid Granuloma in the Neck and Maxillofacial</td>
<td>Peng Gao / Department of Imaging, the Central Hospital of Luoyang, Henan, China</td>
</tr>
</tbody>
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## April 13 (Fri.)

10:20-10:50 (304)

<table>
<thead>
<tr>
<th>No.</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>017</td>
<td>Postmenopausal Uterine Peristalsis Assessed by Cine MR Imaging</td>
<td>Miho Yamakawa / Dept. of Diagnostic Imaging, Osaka General Medical Center</td>
</tr>
<tr>
<td>018</td>
<td>Variation of Signal Intensity on Diffusion-Weighted Image of Uterine Adenomyosis: Comparison with Uterine Malignancies</td>
<td>Ryo Yajima / Dept. of Diagnostic Radiology, Kyoto University</td>
</tr>
<tr>
<td>019</td>
<td>Evaluation of Therapeutic Response to Radical Chemotherapy and Radiation Therapy in Patients with Cervical Cancer Using Volume CT Perfusion</td>
<td>Ruitong Dong / Department of Radiology, Cancer Hospital of China Medical University</td>
</tr>
</tbody>
</table>

11:00-11:50 (304)

<table>
<thead>
<tr>
<th>No.</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>020</td>
<td>'T2-Hyper Rim' and 'Delayed Rim' Signs in Breast Carcinoma: Subtype Discrimination</td>
<td>Rika Namoto Matsubayashi / Breast Care Center, Kyushu Medical Center</td>
</tr>
<tr>
<td>Time</td>
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<td>09:30–10:00</td>
<td>6. Cardiovascular 1: Great vessel</td>
<td>Chronological CT Imaging Changes of Ulcer-like Projections in Aortic Dissection</td>
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<td>Effect of Hypertension on the Distensibility of Ascending Aorta, Descending Aorta and Pulmonary Artery Using 640 Slice-Volume CT</td>
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<td>Clinical Application of Whole Aorta and Coronary CT Angiography Combined with Low Radiation Dose, Low Contrast Medium Dose Protocol</td>
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<td>Analysis of Elasticity Characteristics of Ascending Aorta, Descending Aorta and Pulmonary Artery Using 640 Slice-Volume CT</td>
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<td>Analysis of Distensibility Characteristics of Left Anterior Descending Branch, Ascending Aorta, Descending Aorta and Pulmonary Artery Using 640 Slice-Volume CT</td>
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<td>Development and Validation of Deep Learning Algorithms for Diagnosing Breast Cancers in Mammograms</td>
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<td>Development and Validation of Deep Learning Algorithms for Detecting Cerebral Aneurysms in MRA</td>
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<td>Artificial Intelligence Using Neural Network Architecture for Radiology (AINNAR): Classification of Head MR Imatings</td>
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<td>Artificial Intelligence Using Neural Network Architecture for Radiology (AINNAR): Competition of Classifiers in Classification of Computed Radiography</td>
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<td>Three-dimensional Convolutional Neural Network for Detection of Traumatic Subarachnoid Hemorrhage on Non-contrast-enhanced Head CT Image</td>
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<td>10:45–11:15</td>
<td>9. IT/Education/Miscellaneous</td>
<td>Improvement of Resident Education and Clinical Contribution by Modified Reading System Introducing &quot;Triage Reader&quot;</td>
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<td>11:30–12:00</td>
<td>10. Biomedical Engineering</td>
<td>Artificial Intelligence Using Neural Network Architecture for Radiology (AINNAR): Classification of Head MR Imatings</td>
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<td>Artificial Intelligence Using Neural Network Architecture for Radiology (AINNAR): Competition of Classifiers in Classification of Computed Radiography</td>
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<td>Three-dimensional Convolutional Neural Network for Detection of Traumatic Subarachnoid Hemorrhage on Non-contrast-enhanced Head CT Image</td>
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</tbody>
</table>
044 Improvement of Reading Efficiency by Modified Reading System “Triage Reader”: Rearrangement of Workload Balance between Full- and Part-time Radiologists
Akira Yamada / Dept. of Radiology, Shinsyu Univ. School of Medicine

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

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

9:50–10:40 (315)
10. Abdomen 1: Abdominal disease/Imaging technique Akhiro Nishie

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

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

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

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

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

10:50–11:40 (315)
11. Abdomen 2: Gastrointestinal Yukihisa Saido

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

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

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

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

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

16:20–17:20 (304)
12. Abdomen 3: Liver disease Katsuyoshi Ito

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

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

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

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

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

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

16:20–17:30 (311+312)
13. Cardiovascular 3: Heart Kakuya Kitagawa

063 Quantitative Evaluation of Ischemic Myocardium Using Dynamic CT: Comparison with 150–H2O PET Chisetsugu Katoh / Faculty of Health Sciences, Hokkaido University

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

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

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

067 The Meaning of Unenhanced Left Ventricular Wall in Non-ECG-gated Enhanced CT; Is Our Diagnosis of “Myocardial Infarction” of Service?
Eiji Sugihara / Dept. of Diagnostic Imaging, Osaka General Medical Center
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors/Institutions</th>
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</thead>
<tbody>
<tr>
<td>10:20-11:20</td>
<td>Continuous Measurement of the Bronchial Dimensions at 2&lt;sup&gt;nd&lt;/sup&gt; - 6&lt;sup&gt;th&lt;/sup&gt; Generations and Lung Density on Four-di-dimensional Dynamic-ventilation CT in COPD and Non-smokers</td>
<td>Shigetaka Sato / Dept. of Radiology, Shiga University of Medical Science</td>
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<tr>
<td>10:30-11:00</td>
<td>Diaphragmatic Motion Analysis during Forced Breathing Using Dynamic Chest Radiography: Comparison between COPD Patients and Normal Subjects</td>
<td>Tomoyuki Hida / Dept. of Radiology, Brigham and Women’s Hospital, Harvard Medical School</td>
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<td>11:00-11:30</td>
<td>CT Findings of Arc-Welders’ Pneumoconiosis: Comparison with Silicosis</td>
<td>Masashi Takahashi / Dept. of Radiology, Yamanashi Prefectural Central Hospital</td>
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<tr>
<td>11:30-12:00</td>
<td>Relationship between CT Activity Score with Lung Function and the Serum Angiotensin Converting Enzyme in Pulmonary Sarcoidosis on Chest HRCT</td>
<td>Jianghui Duan / Department of Radiology, Chiba-Japan Friendship Hospital</td>
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<tr>
<td>12:00-13:00</td>
<td>The Visibility of Microstructures of the Temporal Bone Using Ultra-High Resolution CT</td>
<td>Koji Yamashita / Department of Clinical Radiology, Graduate School of Medical Sciences, Kyushu University</td>
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<td>13:00-13:30</td>
<td>Usefulness of Ultra-high-resolution CT for Improving Image Quality in Temporal Bone CT</td>
<td>Hisae Shiga / Dept. of Radiology, Kyush University Faculty of Medicine</td>
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<td>13:30-14:00</td>
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<td>10:00-10:40</td>
<td>(311+312) 18. Nuclear Medicine 2: Tumor/PET2</td>
<td>Makoto Hosono</td>
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<td>Value of Volumetric Analysis of 18F–FDG–PET/CT for Predicting the</td>
<td>Masatoya Nakajo / Department of Radiology, Kagoshima Prefectural Oshima Hospital</td>
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<td>Risk of Recurrence in Differentiated Thyroid Cancer after Total</td>
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<td>Thyroidectomy</td>
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<td>10:02-10:40</td>
<td>Evaluation of Various FDG Uptake of Left Ventricular Myocardium in</td>
<td>Tatsuya Yoneyama / Thyroid, Public Central Hospital of Mutsu Ishikawa</td>
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<td>FDG–PET Study</td>
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<td>Positron Emission Tomography (PET) Imaging of Vascular Endothelial</td>
<td>Amartuushin Tumenjargal / Department of Diagnostic radiology and Nuclear</td>
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<td>Growth Factor (VEGF) with 64Cu–labeled Bevacizumab in Endometriosis</td>
<td>medicine, Graduate School of Medicine, Gunma University</td>
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<td>Mouse Model</td>
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<td>10:04-10:40</td>
<td>Iodine 125 Labeling of FABP4 Aids in Exploring Mechanism of Its</td>
<td>Sumant Shrestha / Department of Radiology and Nuclear Medicine, Gunma</td>
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<td>Clearance from Circulation</td>
<td>University</td>
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<td>10:50-11:40</td>
<td>Changes of FDG–PET Parameters after Carbon–ion Radiotherapy in</td>
<td>Ryutichi Nishi / Dept. of Molecular Imaging and Theranostics, NIRS</td>
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<td>Pancreatic Cancer</td>
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<td>10:56-11:40</td>
<td>Influence of Severe Chronic Hyperglycemia for Diagnostic Performance</td>
<td>Kousuke Kitaguchi / Dept. Radiology, Kyoto University Graduate School of</td>
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<td>in FDG–PET/CT</td>
<td>Medicine</td>
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<td>10:57-11:40</td>
<td>Selected PET Radiomic Features Remain the Same: Clinical Validation</td>
<td>Tetsuya Tsujikawa / Biomedical Imaging Research Center, University of Fukui</td>
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<td>of PET/CT &amp; PET/MRI</td>
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<td>10:58-11:40</td>
<td>Quantitative Fluctuation of a New Bayesian Penalized–Likelihood</td>
<td>Takayoshi Ishimori / Dept. of Diagnostic Imaging and Nuclear Medicine,</td>
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<td>Reconstruction Algorithm in Ga–68 DOTA–TATOC PET/CT</td>
<td>Graduate School of Medicine, Kyoto University</td>
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<td>10:59-11:40</td>
<td>Radiolabeled Peptide for Apoptosis Imaging</td>
<td>Citra R. A. P. Palangka / Department Diagnostic Radiology and Nuclear</td>
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<td>Medicine</td>
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<td>10:00-10:00</td>
<td>(313+314) 20. Radiation Oncology 1: Head/Neck</td>
<td>Etsuo Kunieda</td>
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<td>10:00-10:00</td>
<td>High Dose Radiation Therapy to High Grade Gloma Did Not Improve</td>
<td>Akifumi Nomoto K / National Institute of Radiological Sciences Hospital</td>
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<td>Patient Outcome: Retrospective Study</td>
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<td>10:10-10:00</td>
<td>Prognostic Impact of Local Treatment in Brain Metastases from</td>
<td>Hirotake Saito / Dept. of Radiology and Radiation Oncology, Niigata Univ.</td>
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<td>Gastrointestinal and Hepatobiliary Cancer</td>
<td>Graduate School of Medical and Dental Sciences</td>
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<td>10:12-10:40</td>
<td>Initial Experiences of Single–isocenter Volumetric Radiosurgery for</td>
<td>Megumi Uto / Dept. Radiation Oncology and Image–applied Therapy, Kyoto</td>
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<td>Patients with Multiple Brain Metastases</td>
<td>University Graduate School of Medicine</td>
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<td>10:14-10:40</td>
<td>A Retrospective Study of 3D–CRT/IMRT and Concomitant Intra–arterial</td>
<td>Jun Hashiba / Dept. of Radiology, Chiba University Hospital</td>
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<td>Chemotherapy for Maxillary Sinus Carcinoma</td>
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<td>10:16-10:40</td>
<td>Intra–arterial Chemotherapy (IACT) Combined with Radiotherapy for</td>
<td>Mitwako Nomura / Dept. of Radiation Oncology, Keio Red Cross Hospital</td>
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<td>Locally Advanced Tongue Cancer; Using a New Device: ECAS (External</td>
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<td>Carotid Arterial Sheath)</td>
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<td>10:18-10:40</td>
<td>A Phase I Clinical Trial of Proton Beam Therapy for Patients with</td>
<td>Takayuki Ariyama / Medipolis Proton Therapy and Research Center</td>
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<td>Early Breast Cancer</td>
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<td>10:20-10:40</td>
<td>A Phase III Study of Durvalumab in Patients with Stage III, Locally</td>
<td>Takayasu Kurata / Dept. of Respiratory Oncology, Kansai Medical University</td>
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<td>Advanced, Unresectable NSCLC: PACIFIC</td>
<td>Hospital</td>
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<td>10:22-10:40</td>
<td>Reticular Shadow Could Be Correlated with Risk of Radiation Pneumonitis</td>
<td>Hideaki Miyazaki / Dept. of Radiology, Juntendo University School of Medicine</td>
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<td>after Radiation Therapy of Lung Cancer</td>
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<td>10:24-10:40</td>
<td>Respiratory Signal Prediction during Respiratory–gated Radiotherapy</td>
<td>Hisashi Johnho / Dept. of Radiology, Univ. of Yamanashi</td>
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<td>10:26-10:40</td>
<td>Evaluation of Positional Differences between Bone–Matching and</td>
<td>Ryosuke Ashida / Dept. of Radiation Oncology and Image–applied Therapy, Kyoto</td>
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<td>Fiducial–Marker–Matching in Target Localization of Expiratory</td>
<td>University Graduate School of Medicine</td>
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<td>Breath–Hold Radiation Therapy for Pancreatic Cancer</td>
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<td>10:28-10:40</td>
<td>Comparison of Radiation Dermatitis between Hypofractionated and</td>
<td>Hideya Yamazaki / Department of Radiology, Kyoto Pref. Medical School</td>
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<td>Conventional Fractionation Post–operative Radiotherapy in Patients</td>
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<td>with Breast Cancer</td>
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<td>10:30-10:40</td>
<td>In–stent Restenosis Evaluation Using an Ultra–high Resolution CT</td>
<td>Osamu Ikeda</td>
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<td>Scanner with 160–detector Rows of 0.25–mm Section Thickness: A</td>
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<td>Phantom Study</td>
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<td>10:32-10:40</td>
<td>Efficacy of Preoperative Planning for TEVAR Based on the Greater</td>
<td>Shinichi Iwakoshi / Dept. of Radiology, Nara Medical University</td>
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<td>Curvature Measurement Using Virtual Stentgraft Image</td>
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113 The Patency after Vascular Access Intervention Therapy (VAIVT) Using Carbon Dioxide Digital Subtraction Angiography (CO2-DSA) in Hemodialysis Patients
Yutaro Tasaki / Department of Radiology, Nagasaki University Hospital

114 Evaluation of Removal of Central Venous Port System
Masanori Yamashita / Dept. of Radiology, Kyoto Prefectural University of Medicine

115 Key to Success with IVC Filter Removal
Georgia Priona / Department of Radiology, Royal Victoria Infirmary

10:10-11:10 (315)

23. Interventional Radiology 2: Embolization/Puncture
Sojirō Morita

116 Outcomes of Transcatheter Arterial Embolization for Controlling Acute Extraperitoneal Hemorrhage
Mitsuteru Tauchiya / Dept. of Radiology, Seiichi Hamamatsu General Hospital

117 The Relationship between Gelatin Sponge Preparation Methods and the Incidence of Intrauterine Synchiae Following Uterine Artery Embolization for Postpartum Hemorrhage
Atsushi Saiga / Dept. of Radiology, Chiba University Hospital

118 Clinical Results of Transarterial Embolization for Spontaneous Intramur成交 Hematomas
Yaoyuki Ono / Dept. of Radiology, Kansai Medical University

119 Evaluation of CT-guided Percutaneous Drainage for Postsurgical Abscess Following Lower Gastrointestinal Tract Surgery
Yutaka Ueno / Dept. of Radiology, Kansai Medical University

120 Clinical Significance of Prophylactic Embolotherapy of Lower Gastrointestinal Bleeding in Left Ventricular Assist Device Recipients
Shihong Li / Department of Radiology, University of Iowa

121 Comparison of Percutaneous Co-axial Cutting Needle and Fine Needle Aspiration Techniques in CT-guided Lung Biopsy
Haibo Zhang / Department of Radiology, China-Japan Friendship Hospital

14:10-15:10 (301)

24. Uroradiology 1: Vessel/Urinary tract
Takuji Araki

122 Dynamic Contrast MR Imaging of Renal Vasculature Using FatSat-DISCO with Simultaneous Injection of Gadobutrol and Saline
Takahiro Yamada / Dept. of Radiology, Seiichi Hamamatsu General Hospital

123 Determination of Glomerular Filtration Rate from Fractional Renal Accumulation of Iodinated Contrast Material: A Technique Development and Validation Study
Ning Wu / Department of Radiology, the 309th Hospital of Chinese People's Liberation Army

124 Single-kidney Glomerular Filtration Rate (GFR): Measurement from the Combination of Computed Tomography (CT) and Serum Creatinine (Scr)
Tingting Ma / Department of Radiology, the 309th Hospital of Chinese People's Liberation Army

125 Hollowed Adrenal Gland Sign in Patients of Septic Shock: Prevalence, CT Appearance and Consequence
Jian Guan / Department of Radiology, First Affiliated Hospital of Sun Yat-Sen University

126 Withdrawn

127 Multiple-phase CT Volume-rendered Reconstruction and Image Fusion for Displaying Pelvic Vas Defeners and Adjacent Structure: Preliminary Study
Huanjun Wang / Department of Radiology, First Affiliated Hospital of Sun Yat-Sen University

15:20-16:20 (301)

25. Uroradiology 2: Tumor
Yasuyuki Yamashita

128 Review of Radiological Size Classifications of Renal Cell Carcinoma: Are New Grading Criteria Required?
Fumiyasu Taishima / Dept. of Radiology, Hiroaki University School of Medicine

129 Assessment of Tumor Detection and Aggressiveness of Prostate Cancer: Evaluating with the Pharmacokinetic Parameters Derived from Dynamic Contrast-enhanced MR Imaging
Akira Yamamoto / Dept. of Radiology, Kawasaki Medical School

130 Measurement on 3D-FSE-T2WI is Useful to Predict Early Recovery of Continence after Radical Prostatectomy in Patients with Prostate Carcinoma
Tatsuya Shimizu / Department of Radiology, University of Yamanashi

131 Utility of Whole-Lesion Apparent Diffusion Coefficient Analysis for Predicting Outcomes of Patients with Prostate Cancer on Active Surveillance
Tsutomu Tamada / Dept. of Radiology, Kawasaki Medical School

132 Withdrawn

133 Differentiation between Small Clear Cell Renal Cell Carcinoma and Renal Oncocytoma Using Texture Analysis with CT
Haibo Zhang / Department of Radiology, China-Japan Friendship Hospital

14:10-15:10 (303)

26. Abdomen 4: GB/Biliary tract
Kazuhiko Ueda

134 Influence of Cholecystectomy on the Flow of Bile in the Bile Duct: Assessment by Cine-dynamic MRCP with Spatially-selective IR Pulse
Hitomi Satozono / Dept. of Radiology, Kawasaki Medical School

135 CT Findings of Ceftriazone Associated Pseudolusis
Rika Yoshida / Dept. of Radiology, Shimane University Faculty of Medicine

136 Magnetic Resonance Cholangiopancreatography with Combined Parallel Imaging and Compressed Sensing Reconstruction Compared with Conventional MRCP
Shoma Nagata / Dept. of Radiology, Gifu University, School of Medicine

137 Gradient and Spin Echo Technique in MRCP: Comparison of Image Quality and Image Acquisition Time with Conventional 3D TSE Sequence
Morikita Yoshida / Dept. of Radiology, Arakusa Medical Center
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker(s)</th>
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</thead>
</table>
| 13:00-14:10 (311+312) | 29. Chest 3: Lung blood flow/Anatomy | Shuichi Ono                                                                 | Evaluation of the Branching Pattern of the Left Upper Pulmonary Veins Using Thin-section CT and Three-dimensional CT  
Maliko Murota / Dept. of Radiology, Faculty of Medicine, Kagawa University |
| 15:20-16:00 (303) | 27. Abdomen 5: Pancreas/Spleen | Satoshi Goshima                                                           | Radiological Findings and Risk Factors of the Hepatic Infarctions after Pancreatoduodenectomy  
Daisuke Shinoda / Dept. of Diagnostic and Interventional Radiology, Osaka City University Graduate School of Medicine |
Nozomi Oki / Department of Radiological Sciences, Nagasaki University Graduate School of Biomedical Sciences |
| 16:00-17:15 (311+312) | 30. Chest 4: Image analysis | Shin Matsuoka                                                             | Efficiency of Lung Volume Measurements Using CT Auto-segmentation Technique in Acute Respiratory Distress Syndrome (ARDS)  
Akira Nishiyanagi / Diagnostic Radiology and Radiation Oncology, Graduate School of Medicine, Chiba University |
| 17:15-18:30 (311+312) |                                                                  |                                                                           | Continuous Measurement of Main Bronchial Dimensions and Mean Density in Upside and Downside Lung on Dynamic-Ventilation CT at Lateral Position  
Yukihiro Nagatani / Dept. of Radiology, Shiga University of Medical Science |
| 18:30-20:00 (311+312) |                                                                  |                                                                           | 3D Computer-Aided Diagnosis System on Thin-Section CT: Quantitative Assessment of Disease Severity and Therapeutic Response in Patients with Polymyositis/ Dermatomyositis  
Yoshinari Okuno / Dept. of Radiology, Kobe University Graduate School of Medicine |
| 20:00-21:30                                                                  |                                                                           | Computer-based Computed Tomography Analysis for Detecting Intestinal Lung Disease; A Prospective Study  
Shota Takehara / Kanagawa Cardiovascular and Respiratory Center |
| 21:30-23:00                                                                  |                                                                           | Quantitative Analysis Using Paired Inspiratory and Expiratory CT for Differentiating Cystic Lung Diseases  
Kazuo Suzuki / Dept. of Radiology, Juntendo Univ. |
### PROGRAM

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

**31. Neuroradiology 2: Imaging technique**

<table>
<thead>
<tr>
<th>Time</th>
<th>Talk Title</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>13:00</td>
<td>Deviation of Intracranial Structures Depending on the Posture: Evaluation in Healthy Population Using a 320-detector Row Upright CT</td>
<td>Yoichi Yokoyama / Department of Diagnostic Radiology, Keio University School of Medicine</td>
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<tr>
<td>13:10</td>
<td>The Application of Combined Parallel Imaging and Compressed Sensing Reconstruction Technique to Synthetic MRI</td>
<td>Yukichi Tanahashi / Dept of Radiology, Gifu University Hospital</td>
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<td>13:20</td>
<td>Comparison of Magnetization Transfer Ratio between Two Magnetic Units</td>
<td>Yasutaka Fushimi / Department of Diagnostic Imaging and Nuclear Medicine, Kyoto University Graduate School of Medicine</td>
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<td>13:30</td>
<td>Effects of GdC3 or GBCAs on Hippocampal Synchronous Transmission</td>
<td>Odgiri Zorigt / Department of Diagnostic Radiology and Nuclear Medicine, University of Gunma</td>
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<tr>
<td>13:40</td>
<td>Usefulness of Turbo Spin-echo Diffusion–weighted Imaging for Evaluating Various Pituitary Lesions</td>
<td>Zaw Aung Khant / Department of Radiology, University of Miyazaki</td>
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<tr>
<td>13:50</td>
<td>The Application of Automatic Triggering Method Monitoring the Bilateral Vertebral Artery in Transverse Foramen of Cranial CTA</td>
<td>Weijsa Wan / Department of Radiology, Tongji Hospital of Tongji Medical College, Huazhong University of Science and Technology</td>
</tr>
<tr>
<td>14:00</td>
<td>Low-dose CT with Adaptive Iterative Dose Reduction: A Primary Study in Head and Neck</td>
<td>Qiyun Hu / Department of Radiology, Cancer Hospital of China Medical University</td>
</tr>
</tbody>
</table>

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

**32. Neuroradiology 3: Cerebrovascular**

<table>
<thead>
<tr>
<th>Time</th>
<th>Talk Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:20</td>
<td>Assessment of Extracranial-Intracranial Bypass for Intracranial Major Trunk Stenocclusive Lesions by Whole-Brain Vessel Wall Imaging</td>
<td>Kazushiro Tsuchjia / Dept. of Radiology, Saitama Medical Center, Saitama Medical University, Saitama, Japan</td>
</tr>
<tr>
<td>14:30</td>
<td>Chronic Intracranial Artery Stenosis: Comparison of Whole-brain Arterial Spin Labeling with CT Perfusion</td>
<td>Bing Tian / Department of Radiology, Shanghai hospital of Shanghai</td>
</tr>
<tr>
<td>14:40</td>
<td>A Method to Optimize Image Quality and Shorten Post-process Time for the Spectral CT Angiography Imaging of Head–neck</td>
<td>Weijsa Wan / Department of Radiology, Tongji Hospital of Tongji Medical College, Huazhong University of Science and Technology</td>
</tr>
<tr>
<td>14:50</td>
<td>Optimization Plan Exploration for Head and Neck CTA about Using 320-slice Volume CT</td>
<td>Chongyuen Mao / The Second People’s Hospital of Yunnan Province</td>
</tr>
</tbody>
</table>

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

**33. Neuroradiology 4: Tumor**

<table>
<thead>
<tr>
<th>Time</th>
<th>Talk Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:30</td>
<td>Machine Learning for Prediction of Glioma Grade on Unenhanced Brain Computed Tomography</td>
<td>Hironuki Uchiki / Department of Diagnostic Radiology, Graduate School of Medical Sciences, Kumamoto University</td>
</tr>
<tr>
<td>15:40</td>
<td>Histogram Analysis of Amide Proton Transfer–weighted Imaging: Comparing Glioblastoma and Metastatic Brain Tumor in Enhancing Tumors and Peritumoral Regions</td>
<td>Kyohisa Kamimura / Dept. of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences</td>
</tr>
<tr>
<td>15:50</td>
<td>Feasibility of Amide Proton Transfer MR Imaging for Differentiation between Glioblastomas and Primary Central Nervous System Lymphomas</td>
<td>Masanori Nakajo / Department of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences</td>
</tr>
<tr>
<td>16:00</td>
<td>A Deep Learning Approach for Automated Brain Tumor Detection Using T2WI with Single Shot Multibeam Detector, Preliminary Study</td>
<td>Takashi Abe / Dept. of Radiological Sciences, School of Medicine, UCLA</td>
</tr>
<tr>
<td>16:10</td>
<td>Improvement in Automated Detection of Brain Tumor Using Deep Learning: 2nd Report</td>
<td>Takashi Abe / Dept. of Radiological Sciences, David Geffen School of Medicine, UCLA</td>
</tr>
<tr>
<td>16:20</td>
<td>Skewness and Kurtosis of Apparent Diffusion Coefficient in Human Brain Lesions to Distinguish Benign and Malignant Using MRI</td>
<td>Madusanka H.H.T.S. Vijithananda / Department of Radiology/Radiotherapy, Faculty of Allied Health Science, University of Peradeniya</td>
</tr>
</tbody>
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#### 13:00-13:50 (315)

**34. Interventional Radiology 3: Hepatobiliary/Pancreas**

<table>
<thead>
<tr>
<th>Time</th>
<th>Talk Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00</td>
<td>Comparison between Superselective Transarterial Chemoembolization with 3D-safety Margin and Radiofrequency Ablation for Solitary Small Hepatocellular Carcinoma</td>
<td>Hideyuki Nishiofuku / Dept. of Radiology, IVR Center, Nara Medical University</td>
</tr>
<tr>
<td>13:10</td>
<td>Short-term Outcomes of Transarterial Chemoembolization (TACE) with CDP-load HepaSpheres and Porous Gelatin Particles for Hepatocellular Carcinoma from a Single-Center Experience</td>
<td>Noboru Maeda / Dept. of Diagnostic and Interventional Radiology, Osaka International Cancer Institute</td>
</tr>
<tr>
<td>13:20</td>
<td>Development of Pumping Emulsification Device with Glass Membrane to Form Ideal Lipiodol Emulsion in Transarterial Chemoembolization</td>
<td>Toshihiro Tanaka / Dept. of Radiology, IVR Center, Nara Medical Univ.</td>
</tr>
</tbody>
</table>
186  Technical Outcomes of Endovascular Tracking Marker Implantation for Real Time Tracking Irradiation for Pancreatic Cancer
Akira Imazumi / Dept. of Radiology, University of Yamanashi

187  Transcatheter Embolization for Postpancreatectomy Hemorrhage
Yuto Chinok / Dept. of Radiology, IVR Center, Nara Medical University

14:10-15:10 (315)
35. Interventional Radiology 4: Oncology
Yasuaki Arai

188  Efficacy of Intra-arterial Bi-weekly Infusion with Concomitant Radiotherapy for Advanced Maxillary Sinus Cancer
Soma Kumazaka / Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma University Hospital

189  Therapeutic Results of Intra-arterial Chemoradiotherapy for Symptomatic Bulky Lymph Node Metastasis: Initial Experience
Joichi Heliama / Dept. of Radiology, University of the Ryukyus Graduate School of Medical Science

190  Usefulness of Modified RENAL Nephrometry Score in Predicting Renal Function after Cryotherapy for Renal Masses
Yoshiki Asayama / Department of Advanced Imaging and Interventional Radiology, Kyushu University

191  Investigation of Effects of Body Temperature Decrease by Cryotherapy for Renal Cancer
Shinji Saruya / Dept. of Radiology, Kyoto Prefectural University of Medicine

192  Palliative Local Chemotherapy for Symptomatic Pelvis Metastases
Akihiko Seki / Dept. of Medical oncology, Saita Tokushukai Hospital

193  Quantitative Analysis of Perfusion CT Allows Prediction of Treatment Response in Renal Tumors Treated by Cryoablation
Oyuriboko Lamid-Ochir / Department of Diagnostic Radiology and Nuclear Medicine, Gunma University Graduate School of Medicine

15:20-16:20 (315)
36. Interventional Radiology 5: Neuro
Daisuke Itoh

194  Plaque Protrusion during Carotid Artery Stenting: Risk Factors Determined by MR Plaque Imaging
Katsutoshi Takayama / Department of Radiology and Interventional neuroradiology, Ishikawakyo General Hospital

195  Endovascular Therapy for Vertebral Arteriovenous Fistula: Types and Procedures
Satoshi Takahashi / Dept. of Radiology, Akita University School of Medicine

196  Effectiveness of Evaluation with DynaCT System for Intra-arterial Chemotherapy for Advanced Head and Neck Cancers: Comparison with Angio-CT System
Takeshi Wada / Dept. of Radiology and VR center, Nara Medical University

197  Percutaneous Vertebroplasty Is a Safe and Effective Treatment for Super Elderly Patients with Vertebral Fractures
Shunsuke Kamei / Dept. of Radiology, NCGM

198  MR-guided Focused Ultrasound (MrFUS) Vim Thalamotomy for Essential Tremor: A Single Center Experience with a One-year Follow up
Toshihisa Yamasaki / Research Institute for Diagnostic Radiology, Shin-jyousakai General Hospital

199  MR-guided Focused Ultrasound (MrFUS) Vo Thalamotomy for Focal Hand Dystonia (Musician’s Dystonia): A Pilot Study
Toshihisa Yamasaki / Research Institute for Diagnostic Radiology, Shin-jyousakai General Hospital

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April 15 (Sun.)

9:10-10:10 (303)
37. Neuroradiology 5: Brain disease Osamu Abe

200  Pre-Wallerian Degeneration on Diffusion Weighted Image (DWI) in To-term Neoplasms with Hypoxic-ischemic Encephalopathy (HE)
Katsumi Hayakawa / Department of Diagnostic Radiology, Red Cross Kyoto Daichi Hospital

201  A Quantitative Evaluation of Rapid Eye Movement Sleep Behavior Disorder Using Quantitative Susceptibility Mapping and Neuromelanin Imaging
Masahiro Fujikawa / Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine

202  Evaluation of the Gliomytic System by Commissural Fiber Based DTI Analysis along Perivascular Space (Commissural DTI-ALPS)
Toshiaki Takeo / Dept. of Radiology, Nagoya University

203  Assessment of Skin Folds on the Scalp in GH-producing Pituitary Adenomas
Kosuke Hida / Department of Radiology, Fukuoka University

204  Combined Application of Multi-parameter Semiquantitative ASPECTS to Assess Infarction Severity in Acute Ischemic Stroke
Juan Chen / Department of Radiology, Beijing Hospital

205  Sexual Dimorphism in Gray Matter-to-White Matter and Gray Matter-to-Cerebrospinal Fluid Volumetric Ratios from MRI Human Brain Images
All Bourisly / Biomedical Engineering Unit, Department of Physiology, Faculty of Medicine, Kuwait University

10:20-11:20 (303)
38. Cardiovascular4: Coronary disease
Daisuke Utsunomiya

206  Effect of the Pulmonary Circulation on the Quality Image in Coronary Computed Tomography Angiography (CCTA)
Tien Nguyen-Conig / Department of Diagnostic Radiology and Nuclear Medicine, Gunma University Graduate School of Medicine

207  Diagnostic Value of 320-detector Row CCTA for Coronary Artery Disease with Total Occlusion
Xiu T. Wang / Department of Radiology, Harbin University

208  Withdrawn
209 Application Research of Temporal Resolution–Cardiac Cycle Characteristic Curve in CT Coronary Angiography
Ping Xia / Department of Radiology, The Central Hospital, Xuzhou, China

210 The Influence of Adrenal Adenoma on the Formation of Coronary Atherosclerotic Plaque
Bo Li / Department of Radiology, Daqing People’s Hospital

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

9:10-10:00 (304)
39. Nuclear Medicine4: Cardiovascular
Tadaki Nakahara

212 Usefulness of Regional Phase Analysis in Monitoring Pre- and Post- Percutaneous Coronary Intervention (PCI) in Patients with Ischemic Heart Disease
Tarnasa Terada / Dept. of Radiology, Miyazaki University

213 FDG-PET in the Patients with Ventricular Assist Device: Non-pathological FDG Uptake and Drive-line Infection
Takuro Isoda / Department of Clinical Radiology, Graduate School of Medical Sciences, Kyushu University

214 Effects of Steroids on Liver FDG Uptake : Measurement of Metabolic Volume of Cardiac Sarcomiosis
Sho Furuya / Dept. of Radiology, Hokkaido University Hospital

215 Simultaneous Assessment of Myocardial Blood Flow and Left Ventricular Function with N-13 Ammonia ECG–gated PET
Noriyuki Shuho / Dept. of Radiology, Kusunoki Kojinkai Memorial Hospital

216 The Comparison of Quantitative SPECT/CT Scoring of MIBG Cardiac Scintigraphy and the Heart-to–mediastinum Ratio in IQ–SPECT System
Hiroshi Mori / Dept. of Nuclear Medicine, Kanazawa University Hospital

10:10-10:40 (304)
40. Nuclear Medicine5: Neuro
Hiroshi Matsuda

217 The Association between rCBF Asymmetrical Index on Early FP–CT SPECT and Laterality of SBR of Striatum in Parkinson’s Disease
Masanari Norokuma / Dept. of Radiology, Fukuoka University School of Medicine

218 Usefulness of Quantitative Parameter of the Caudate on 123I–iофлупан SPECT in Diagnosing Parkinson’s Disease
Yoichi Mizutani / Radiology, Faculty of medicine, University of Miyazaki

219 Is the Disease Specific rCBF Parameters Available for Diagnosing for Alzheimer’s Disease with Unilateral Blood Flow Decrease?
Shinji Tanaka / Dept. of Radiology, Fukuoka University School of Medicine

9:10-10:10 (311 + 312)
41. Pediatric
Kumiko Nozawa

220 Dual Source Computed Tomography for Infants with Congenital Cardiovascular Disease without ECG Triggering: Clinical Usefulness and Reducing Radiation Dose
Natsuhiko Saito / Dept. of Radiology, Nara Medical University School of Medicine

221 Incidental Findings on Torso CT in Pediatric Trauma Patients
Takashi Miura / Dept. of Radiology, National Center for Child Health and Development

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

223 Mediastinal Soft Tissue Mass in Congenital Unilateral Pulmonary Vein Atresia: A Retrospective View of Seven Cases
Reiko Okamoto / Dept. of Radiology, National Center for Child Health and Development

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

225 Specific CT Characteristics of Classic Congenital Mesoblastic Nephroma and Correlation with Ultrasound and Pathology
Yingqian Chen / Department of Radiology, First Affiliated Hospital of Sun Yat-sen university, China

10:20-11:00 (311+312)
42. Imaging modality/Technique
Chietsugu Katoh

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

227 Clinical Application of One New CT Body Surface Locating Ring
Fei Yang / Department of Medical Imaging, The First Affiliated Hospital of Hebei North University

228 MR Examination on Patients with MR–conditional Cardiac Device: Time and Cost
Shoko Abe / Dept. of Radiology, Shizuoka Medical Center

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

11:10-11:50 (311+312)
43. Contrast material/Basic/Miscellaneous
Yoshito Tsushima

230 Molecular Mechanism of Osteoblast Differentiation Regulated by Icarin
Zengfa Huang / Department of Radiology, The Central Hospital of Wuhan, Tongji Medical College, Huazhong University of Science and Technology, Wuhan 430014, China
231 Analysis of GBCAs Deposition Mechanism in Mice Following Single Dose Administration
Putri Andriani / Department of Diagnostic Radiology and Nuclear Medicine, Gunma University

232 Lung Weight Estimation Using Postmortem CT in Forensic Cases
Hideki Hyodo / Cause of death investigation, Hokkaido University Faculty of Medicine

233 Advances in Imaging Research on Multiple Organ Dysfunction of Paraquat Poisoning
Rongqing Sun / The Fourth Affiliated Hospital of Kunming Medical University

9:10-10:10 (313+314)
44. Chest5: Lung disease
Yoshiharu Ohno

234 Radiation Sensitivity of Patients with past History of Lung Cancer
Hiroaki Sakane / Dept. Radiology, Hiroshima University Graduate School of Medicine

235 Computer-aided Diagnosis of Lung Nodule Using Deep Convolutional Neural Network: Usefulness of Transfer Learning
Mizuho Nishio / Dept. of Diagnostic Imaging and Nuclear Medicine, Kyoto University Graduate School of Medicine

236 Differentiation between Malignant and Benign Pulmonary Lesions with Electron Density and Effective Z Using Dual-Energy CT Imaging
Xiaoliang Chen / Department of Radiology, China-Japan Friendship Hospital

237 3.0T MRI for Long-term Observation of Lung Nodules Post Cryoablation: A Pilot Study
Jing Li / Department of Radiology, Heran Cancer Hospital

238 Study on the Relationship between Cavity Contraction Percentage and Benign and Malignant Cavities
JianXia Cao / Department of Radiology, the 309th Hospital of Chinese People’s Liberation Army

239 Ground-Glass Nodules at First-pass Dual-input Perfusion CT: Histopathologic Comparisons on the Origin and Quantity of Blood Supply
Su Wang / Department of Radiology, the 309th Hospital of Chinese People’s Liberation Army

10:20-11:20 (313+314)
45. Chest6: Imaging technique
Hidetake Yabuuchi

240 Pulmonary Emphysema Quantification on CT at 7mA
Using AI/3D and Association with Body Habitus: Comparison with 84 and 42mAs
Yukihiro Nagatani / Dept. of Radiology, Shiga University of Medical Science

241 Effect of Matrix Size on the Image Quality of Ultra-High Resolution CT of the Lung
Akinori Hata / Dept. Radiology, Osaka University Graduate School of Medicine

242 3D Lung Motion Assessment on Inspiratory/Expiratory Thin-Section ADCT: Capability for Pulmonary Functional Loss and Clinical Stage Evaluations in Smokers
Yoshiharu Ohno / Dept. of Radiology, Kobe University Graduate School of Medicine

243 Time Resolved Dynamic Contrast MR Imaging of the Thorax Using Simultaneous Injection of Gadobutrol and Saline
Takayuki Masui / Dept. of Radiology, Seirin Hamamatsu General Hosp.

244 Withdrawn

245 The Feasibility of Improving the Noise Index on Automatic Spectral Chest CT Assist Protocol
Rui Wang / The First Affiliated Hospital of Zhengzhou University

9:10-10:00 (315)
46. Radiation Oncology 3: Abdomen/Pelvis
Atsunori Yorozu

246 VMAT-SBRT for Liver Tumors by the Thoracic - Abdominal Simultaneous Compression Technique
Masateru Fujiiwara / Dept. of Radiation Oncology, Suta Tokushukai Hospital

247 Risk Group Analyses in Cervical Cancer Patients Based on MRI at the Time of Image Guided Adaptive Brachytherapy
Ryo Nishikawa / Division of Radiation Oncology, Kobe University Hospital

248 Clinical Value of Squamous Cell Carcinoma Antigen in Patients with Advanced Cervical Carcinoma Treated by Chemoradiotherapy
Koichi Wadasaki / Dept. of Radiation Oncology, Hiroshima Prefectural Hospital

249 Pilot Study of Radio-sensitization Using Hydrogen Peroxide in Patients with Cervical Cancer
Rong Hu / Department of Radiation Oncology, Juntendo University

250 IG-VMAT for Postoperative Lymph Node Recurrences with Endometrial Carcinoma
Yuki Akagi / Hiroshima Heks Clinic, High-Precise Radiotherapy Center

10:10-11:10 (315)
47. Radiation Oncology 4: Gastrointestinal/Urinary
Toshio Ohashi

251 Radiotherapy for Prostate Cancer: The Change of IPSS during Treatment
Hirotaka Takan / Medical Intern, Gifu Municipal Hospital

252 Retrospective Study about the Decline in Serum Prostate-Specific Antigen after Stereotactic Body Radiotherapy for Prostate Cancer
Subaru Sawayanagi / Dept. of Radiology, Faculty of Medicine, The University of Tokyo

253 Long Term Outcomes of a Dose-reduction Trial in Patients with Prostate Cancer Receiving Soft Tissue-matched Image-guided Intensity-modulated Radiotherapy
Naomi Sasaki / Dept. of Radiology, Kyoto Prefectural University of Medicine

254 Experience of Neoadjuvant Chemoradiotherapy for Locally Advanced Rectal Cancer
Yuko Imou / Division of Radiation Oncology, Kobe University Hospital
255 Safety and Feasibility of Radiotherapy with Hydrogen Peroxide as a Sensitizer for Inoperable Rectal Cancer Rei Hashimoto / Department of Radiology, Juntendo University School of Medicine

256 Salvage Focal Carbon-ion Radiotherapy for Patients with Local Recurrence of Prostate Cancer: Two Case Reports Goro Kasuya / NIRS

11:20-11:50 (315)
48. Uroradiology3: Adrenal gland/ Retropertitoneum Yoshimitsu Ohgiya

257 Distinguishing Adrenal Adenomas from Non-adeno- mas with Multidetector CT Using a Short Time Delay Triphasic Enhanced CT Tongxi Liu / Department of Radiology, China-Japan Friendship Hospital

258 Diagnosis of Primary Peritoneal and Retropertitoneal Cystadenoma/Cystadenocarcinoma by MSCT Yang Peng / Department of Radiology, First Affiliated Hospital of Sun Yat-Sen University

259 CT Manifestations of Primitive Neuroectodermal Tumor of Adrenal Gland Chang Lei Lv / CT Room, Shaanxi Provincial People’s Hospital

13:00-14:00 (301)
49. Abdomen6: Liver tumor Masahiro Okada

260 Utility of Fusion Imaging of Preablative Hepatobiliary Phase Sequences and Postablative Unenhanced T1-weighted Images Nobuyuki Takeyama / Dept. of Radiology, Showa University Fujigaoka Hospital

261 Diagnosis of Liver Tumor Using Analysis of Hepatocyte Function on Gadoxetic-acid Enhanced Magnetic Resonance Imaging Mizuki Ozawa / Department of Diagnostic Radiology, Saitama Medical University International Medical Center

262 Distinguishing Intrahepatic Mass-forming Biliary Carcinoma from Hepatocellular Carcinoma by Multimetric CT and MRI Using Bayesian Method: A BiCenter Study Shintaro Ichikawa / Department of Radiology, University of Yamanashi

263 Improvement of Diagnostic Image Quality of Abdominal CT by Using a Deep Learning Based Reconstruction Targeting Malignant Hepatic Tumor Yuko Nakamura / Diagnostic Radiology, Hiroshima University

264 Interpretation Pitfalls of Contrast Enhanced Ultrasound (CEUS) for Evaluation of Hepatocellular Carcinoma (HCC) Wan Ying Chan / Department of Diagnostic Radiology, Changi General Hospital, Singapore

265 Cholangiocarcinoma: A Descriptive Study in Dr. Wahidin Sudirohusodo General Hospital, Makassar, Indonesia, during the Period of 2013-2016 Elysius Sani / Department of Radiology, University of Hasanuddin

13:00-13:50 (302)
50. Breast2: Disease Hiroko Kawashima

266 MRI Evaluation of Neoadjuvant Chemotherapeutic Response: Difference Depending on the Definition of Pathological Complete Response and Breast Cancer Molecular Subtypes Kazuaki Nakashima / Dept. of Breast Imaging and Intervention, Shizuoka Cancer Center Hospital

267 Grading System to Categorize Breast: A Multivariate Study of Breast Mass Descriptors in Terms of Probability of Malignancy Keiichi Fujitaka / St. Mariana University School of Medicine

268 Grading System to Categorize Breast MRI Using BI-RADS 5th Edition: A Statistical Study of Non-mass Enhancement Descriptors Tatsunori Asada / Dept. of Radiology, St. Mariana University School of Medicine, Yokohama City Seibu Hospital

269 Rare Breast Cancer Mimickers, Their Variable Imaging Spectrum and Keys to Their Diagnosis Ursula Weigner / University Hospital Waterford

270 Correlation among the Findings of Mammography and MRI in Non-mass-like Breast Lesions with Calcification Xiao Wen Ma / Department of Radiology, Cancer Hospital of China Medical University, Liaoning Province Cancer Hospital and Institute

13:00-14:00 (303)
51. Cardiovascular5: Vessel CT/Miscellaneous Yasuyuki Kobayashi

271 Diagnostic Performance of Iterative Reconstruction (FIRST) for Detecting Localization of Adamkiewicz Artery Yoshihiro Kubota / Dept. of Radiology, Chiba University Hospital

272 Comparison on Abdominal CT Angiography Image Quality Reconstructed with Forward Projected Model-based Iterative Reconstruction Solution (FIRST) versus Conventional Reconstruction Methods Hideyuki Fukui / Department of Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine

273 Withdrawn

274 Feasibility of Foot CT Perfusion in Patients with Peripheral Arterial Occlusive Disease Xiao Li / Department of Radiology, Renji Hospital, School of Medicine, Shanghai Jiaotong University

275 Upper Limb Arterial CTA Imaging Upper Limb Position Puts Impact on the Subclavian Artery and Axillary Artery Lintao Zhao / Department of Radiology, The First Hospital of Harbin

276 The Diagnosis Value of 320 Slice CT Direct Venography in Lower Extremity Deep Venous Thrombosis Jing Ma / Department of Radiology, the 2nd affiliated hospital of the medicine school of Shihong University
### 13:00-13:40 (304)

#### 52. Nuclear Medicine 6: Whole body

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Title</th>
<th>Affiliation</th>
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</thead>
<tbody>
<tr>
<td>Teisuke Hashimoto</td>
<td><strong>Prognostic Impact of Quantitative Bone SPECT/CT for Patients with Metastatic Castration-resistant Prostate Cancer</strong></td>
<td>Yoshimitsu Fukushima / Dept. of Radiology, Nippon Medical School</td>
</tr>
<tr>
<td></td>
<td><strong>Sequential Bone Scintigraphy Observations of Patients with Castration-resistant Prostate Cancer (CRPC) with Bone Metastases under Radium-223 Therapy</strong></td>
<td>Yumiko Kono / Dept. of Radiology, Kansai Medical University</td>
</tr>
<tr>
<td></td>
<td><strong>Assessment of the Effect of Urinary Excretion Rate of 18F-Sodium Fluoride on the SUV of NaF PET/CT</strong></td>
<td>Yoshiyuki Kitamura / Department of Radiology, Graduate School of Medical Science, Kyushu University</td>
</tr>
<tr>
<td></td>
<td><strong>Axillary Lymph Node Assessment on 18F-FDG PET/CT in Rheumatoid Arthritis Patients Treated with Biologic Therapies</strong></td>
<td>Trang Thuy Dam / Department of Diagnostic Radiology and Nuclear Medicine, Department of Orthopaedic Surgery, Gunma University Graduate School of Medicine; Department of Radiology, Bach Mai Hospital, Hanoi, Vietnam</td>
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### 13:00-13:50 (315)

#### 53. Radiation Oncology 5: Bone metastasis/

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Title</th>
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<tbody>
<tr>
<td>Tetsuo Akimoto</td>
<td><strong>Evaluation of Prognostic Factors of Bone Metastases Treated by Radiotherapy; A Single-institution Experience</strong></td>
<td>Nana Shimoyachi / Department of Radiotherapy, Graduate School of Medical Science, Kanazawa University</td>
</tr>
<tr>
<td></td>
<td><strong>KORTUC for Lytic Bone Metastasis</strong></td>
<td>Shiro Obata / Dept. of Radiology and Radiotherapy, Nagasaki Prefecture Shimabara Hospital</td>
</tr>
<tr>
<td></td>
<td><strong>The Outcome of Reirradiation with Curative Intent: Analysis of 214 Patients in 6 Years</strong></td>
<td>Ryoongjin Oh / Miyakoyma IGTR Clinic</td>
</tr>
<tr>
<td></td>
<td><strong>Effectiveness and Adverse Effects of Radical Radiotherapy on Patients Aged 90 or above</strong></td>
<td>Osamu Tanaka / Dept. of Radiation Oncology</td>
</tr>
<tr>
<td></td>
<td><strong>Nanoparticle Imaging and Treatment of Tumor, through Macrophage-based Therapy, by Radiotherapy-targeted-switching of Tumor-Associated-Macrophages (TAM S) from M2 to M1 Phenotype</strong></td>
<td>Satoshi Harada / Dept. of Radiology, Iwate Medical University; School of Medicine</td>
</tr>
</tbody>
</table>
Electronic Poster Presentation Programs

April 13 (Fri.)

9:10-9:38 (Poster Presentation Booth 1)
1. Interventional Radiology 1: Ablation/
Cryotherapy

**C001** Percutaneous Cryoablation of Lung Tumors Using Liquid Nitrogen Based Ice Device: Safety and Initial Outcome
Ikuo Yamazaki / Dept. of Radiology, Kameda Medical Center

**C002** Treatment with RFA, SBRT and SLR for Patients with Stage I Non-Small-Cell Lung Cancer: Evaluation of Single Center Experience
Toshihiro Iguchi / Dept. of Radiology, Okayama University School of Medicine

**C003** Phase I Clinical Trial and Literature Review of Percutaneous Cryoablation for Osteoid Osteoma
Miyazaki Masaya / Dept. of Interventional Radiology and Clinical Ultrasound Center

**C004** Cryoablation of Renal Cell Carcinoma for Patients with Severe Chronic Kidney Disease: A Retrospective Multi Center Study
Hideo Gobara / Dept. of Radiology, Okayama University Hospital

9:50-10:18 (Poster Presentation Booth 1)
2. Interventional Radiology 2: Embolization

**C005** Correlation between Tumor Stain Change after Balloon Occlusion and Outcome after B-TACE
Yoshishita Kodama / Dept of Radiology, Teine Keijinkai Hospital

**C006** Drug-eluting–beads Embolization for Hepatocellular Carcinoma in Elderly Patients: Evaluation of Adverse Events Compared with Conventional Chemoembolization
Hiroshi Seki / Dept. of Diagnostic Radiology, Nigata Cancer Center Hospital

**C007** Comparison of Occupational Eye Radiation Dose Estimated on Novel Direct Eye Dosimeter and Film Badge in Transarterial Chemoembolization
Masakazu Hirakawa / Dept. of Radiology, Kyushu University Beppu Hospital

**C008** Associating Liver Partition and P4 Vein Ligation Combining Trans–ileocolic Portal Vein Embolization for Staged Hepatectomy (Modified ALPPS–TIPE): Initial Experience
Mitsunari Maruyama / Department of Radiology, Shimane University Faculty of Medicine

10:30-10:58 (Poster Presentation Booth 1)
3. Interventional Radiology 3: Embolization/
Miscellaneous

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

15:10-15:59 (Poster Presentation Booth 1)
4. Interventional Radiology 4: Technique/
Miscellaneous

**C010** Preoperative Transarterial Embolization for Bleeding Originating from Malignant Bladder Tumor
Norihito Yugata / Dept of Radiology, Steel Memorial Murokan Hospital

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

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

16:10-16:52 (Poster Presentation Booth 1)
5. IT/Radiologic interpretation

**C020** Reference Rate of Image Diagnosis Report: In Case of Chest X-ray at Our Hospital
Sae Miyasita / Kanazawa Medical Center

**C021** Utility of Teleradiology Using a Mobile Tablet Type Device for Imaging Diagnosis of Emergency Cases
Kenjiro Utani / Dept. of Radiology, Hyogo Prefectural Awaji Medical Center
C022 Cancer Image Reference Database: Mobile Device Oriented Features Newly Developed
Hiroaki Onaya / Sec. Radiology Consultation, National Cancer Center

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

C024 Monitoring of Prefrontal Response of Radiologist by Long Time Image Interpretation in a Poor Physical Condition, Using INIRS
Takashi Nishash / Konuki City Hospital

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

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

6. Chest 1: Imaging technique Yoriko Murata

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

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

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

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

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

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

7. Chest 2: Lung disease Sadayuki Murayama

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

Hiroshi Moriya / Diagnostic Imaging Center, Ota General Hospital

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

8. Head and neck Hiroki Kato

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

C036 Utility of the Ultra High-resolution CT in the Middle Ear Disease
Makiko Obara / Dept. of Radiology, Iwate Medical University Hosp

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

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

9. Cardiovascular 1: Coronary Yasutaka Ichikawa

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

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

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

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

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

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

10. Musculoskeletal Tamotsu Kamishima

C043 Angiosarcoma: Differences and Similarities of Imaging Features by Location
Kazuma Yasui / Dept. of Diagnostic and Interventional Radiology, Kanagawa Cancer Center
C044 Radiologic Characteristics of Desmoplastic Fibroblastoma: Comparison with Desmoid-type Fibromatosis
Ryota Inai / Dept. of Radiology, Okayama University Hospital

C045 Evaluation of Temporal Subtraction CT for Detection of Vertebral Bone Metastases
Sodai Hoshiai / Dept. Radiology, University of Tsukuba

C046 MR Imaging Findings of Vertebral Involvement in Gorham-Stout Disease, Generalized Lymphangiom Anomaly, and Kaposisform Lymphangiomatosis
Hiroti Kato / Dept. of Radiology, Gifu University School of Medicine

C047 Correlation between Vertebral Bone Strength and Muscle Property on CT in DM Patient
Shinpei Yamaguchi / Dept. of Radiology, University of Occupational and Environmental Health School of Medicine

April 14 (Sat.)
9:10-9:38 (Poster Presentation Booth 1)

11. Cardiovascular 2: Heart/Miscellaneous
Hiroyuki Tajima

C048 Evaluation of Capability of the Deep Neural Networks at the Late Gadolinium Enhancement Image Diagnosis Assistant
Yasutoshi Ohta / Division of Radiology, Tottori university Faculty of Medicine

C049 The Effect of Hemoglobin Value on the Water Density Generated from Material Decomposition Image with Spectral CT
Shinichirô Kitaô / Dept. Radiology, Tottori University Faculty of Medicine

C050 Cardioangiogram-based Study of Pediatric Contrast Transit Time in Children with Congenital Heart Disease
Yoko Namiki / Dept. of Radiology, The University of Tokyo Hospital

C051 Late Gadolinium Enhanced MRI for Duchenne and Becker Muscular Dystrophy
Noriko Oyama-Manabe / Dept. of Diagnostic and Interventional Radiology, Hokkaido University Hospital

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

12. Cardiovascular 3: Cardiac CT
Masao Miyagawa

C052 Dynamic Performance of MBF by Dynamic CT Perfusion for the Detection of Significant CAD: Standardized vs. Individualized Vascular Territories
Kuniaki Hirai / Dept. of Radiology, Ehime University School of Medicine

C053 Myocardial Blood Flow Derived from Single-source 64-slice Dynamic CT Perfusion: Is It Reliable to Detect Coronary Stenosis?
Nobuo Tornizawa / Dept of Radiology, New Tokyo Hospital

C054 Comparison of QPR Derived from Dynamic CT Perfusion and FFR on the Evaluation of Myocardial Ischemia
Natsumi Kuwahara / Dept. of Radiology, Ehime University Graduate School of Medicine

C055 Dual-energy Myocardial Late Iodine Enhancement Imaging Using Dual-layer Spectral Detector Computed Tomography
Saitaro Oda / Dept. of Diagnostic Radiology, Faculty of Life Sciences, Kumamoto University

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

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

13. Cardiovascular 4: Great vessel/Miscellaneous
Fumiko Kimura

C057 Changes of Aortic Wall Thickness before Development of Acute Aortic Dissection
Hidemasa Saito / Dept. of Radiology, Nippon Medical School

C058 Evaluation of Gravity Effect on Inferior Vena Cava Flow Using Gravity MRI
Yoshisuke Kadoya / Dept. of Radiology, Kanazawa University School of Medicine

C059 Analysis of Aortic Arch Motion and Segmental Curvature Change Using 4D-CTA: Consideration of the Pathogenesis of Aortic Dissection
Mitsuhiro Kishino / Dept. of Diagnostic Radiology Mitsu Memorial Hospital

C060 Congenital Anomalies of the Left Brachiocephalic Vein without Congenital Heart Disease Detected in Adults on Computed Tomography
Hiroshi Yamamura / Dept. of Radiology, Tokai University School of Medicine

C061 Evaluation of Venous Attenuation with Reduced Radiation and Contrast Material Dose at CT Venography
Takahumi Nomura / Department of Radiology Yamaguchi University Graduate School of Medicine

C062 Evaluation of Arteriosclerosis by Noninvasive MRI: A Basic Investigative Animal Study
Kai Takaki / Dept. of Radiology, Shiga University of Medicine Science

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

14. Nuclear Medicine 1: FDG-PET
Tohru Shiga

C063 FDG-PET Findings for 14 Cardiac/Pericardiac Tumors at Our Hospital
Kazukenri Kirit / Dept. Radiology, Yamagata University Faculty of Medicine

C064 Characteristics of FDG Uptake in the Atria of Patients with Atrial Fibrillation
Emiri Watanabe / Dept. of Radiology, Ehime University School of Medicine

C065 Evaluation of FDG-PET/CT Findings of Primary Breast Lymphoma
Yasuho Hamanaka / Dept of Radiology, Koseikai Takeda Hospital

C066 Correlation of 18F-FDG PET/CT Findings with Abdominal Aortic Aneurysm Growth
Mami Nishio / Dept. of Radiology, Faculty of Medicine, Kagawa University
April 14 (Sat.)

**C067** The Utility of F-18 Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography in Differentiating Primary Duodenal Tumors
Yoichi Otomi / Dept. of Radiology, Tokushima University Hospital

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

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

**15. Nuclear Medicine 2: Head/Neck/Neuro**
Ichiei Kuji

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

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

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

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

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

**16. Obstetrics/Gynecology** Aki Kido

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

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

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

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

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

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

**17. Breast 1: MRI** Takayoshi Uematsu

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

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

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

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

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

**18. Breast 2: Imaging technique/Miscellaneous** Tokiko Endo

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

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

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

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

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

**19. Abdomen 1: Gastrointestinal** Masamitsu Hatakenaka

**C086** Coexistence of Extra–Gastric Afferent Efferent Direct Connection with Gastric Varices: 3DCT Evaluation
Ramy Mohammied / Dept. of Radiology, Otto University, Faculty of Medicine

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

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

**C089** Can Initial CT Findings Predict the Possibility of Conservative Treatment for Closed Loop Obstruction?
Elko Taniaka / Dept. of Radiology, Shova University Fujiuoka Hospital
10:00-10:35 (Poster Presentation Booth 2)

20. Abdomen 2: Hepatobiliary/pancreas 1
Yoshito Takeuchi

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

C091 Morphological Evaluation Related to the Extramural Invasion of Rectal Cancer Using MRI: Comparison of MRI and histopathological Findings
Satoshi Mihara / Dept. of Radiology, Kansai Medical University

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

Utaroh Motosugi

C097 Withdrawn

22. Neuroradiology 1: Cerebrovascular/Tumor

C102 Comparative Study of Gliala Perfusion Metrics Using Both ASL and DCE Imaging
Kenji Takata / Dept. of Radiology, Fukui University School of Medicine

C103 Initial Image Findings of IDH Wildtype Glioblastoma
Shintaro Saito / Department of Radiology, Yamagata University Graduate School of Medical Science Medicine

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

C104 Differentiating Glioblastoma from Lymphoma or Metastatic Tumor by ELTE (Enhancement Less Than Expected)
Takashi Katsube / Dept. of Radiology, Shimane University Faculty of Medicine

C105 TSE-based Black-Blood MRA in the Detection of Vasospasm Following Subarachnoid Hemorrhage
Koichi Takano / Dept. of Radiology, Fukuoka University

C106 Diagnostic Performance of CT Angiography for Middle Cerebral Artery Perforators Using Ultra-High Resolution CT
Kazuhiro Murayama / Dept. of Radiology, Fujita Health University School of Medicine

C107 Usefulness of 3-T MR Angiography with Tri-directional Flow Compensation for Morphologic Evaluation of Unruptured Intracranial Aneurysms
Naoki Fukuyama / Dept. of Radiology, Ehime Prefectural Central Hospital

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

23. Neuroradiology 2: Brain disease
Toshihide Ogawa

C108 The MRI Findings in Creutzfeldt-Jakob Disease
Ayaka Nakai / Dept. of Radiology, Kanazawa University School of Medicine

C109 Retrospective Analysis of MRI Findings of Brain Toxoplasmosis in AIDS Patients
Kota Yokoyama / Dept. of Radiology, National Center for Global Health and Medicine, Tokyo, Japan

C110 Assessment of Hypo-intensity at the Posterior Edge of Adenohypophysis on T2-weighted MR Imaging: A Preliminary Study
Aiko Gobara / Dept. of Radiology, Shimane University Faculty of Medicine

C111 Relationship between Cytokines and Brain Morphology in Drug-naïve, First-episode Major Depressive Disorder Using Surface-based Morphometry
Shingo Kakeda / Dept. of Radiology, University of Occupational and Environmental Health, School of Medicine

C112 Application of Machine Learning to the Visual Rating System in mild Cognitive Impairment
Tomohi Kameko / Dept. of Radiology, Shinshu University School of Medicine
<table>
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<tr>
<th>Time</th>
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<th>Speaker</th>
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<tbody>
<tr>
<td>14:50-15:32</td>
<td>24</td>
<td>Radiation Oncology 1: Chest</td>
<td>Takashi Uno</td>
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<td>Long-term Outcomes in Patients Treated with Whole-breast Irradiation after Breast-conserving Surgery</td>
<td>Yoshio Monzen / Dept. of Radiology, Sasaba City General Hospital</td>
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<td>Influence of CTV Displacement in Postoperative Breast/Chest Wall Radiotherapy Using Field in Field Technique</td>
<td>Kenji Makita / Dept. Radiology, Ehime University Graduate School of Medicine</td>
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<td>Outcomes of Chemoradiation Therapy for Limited-disease Small Cell Lung Cancer in Our Hospital</td>
<td>Norihisa Katayama / Dept. of Radiology, Okayama University Medical School</td>
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<td>Changes in Volume and Tumor Position during Stereotactic Body Radiotherapy of Lung</td>
<td>Nishimura Keichiro / Dept. Radiation Oncology, Saitama Medical Center, Saitama Medical Univ.</td>
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<td>GTV-based Prescription in SBRT for Lung Tumors</td>
<td>Komiyama Takaumi / Dept. of radiology, University of Yamanashi</td>
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<td>10:10-10:45</td>
<td>26</td>
<td>Radiation Oncology 3: Abdomen/Gastrointestinal</td>
<td>Atsuya Takeda</td>
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<td>Treatment Outcomes of Radiotherapy for Lymphnode Recurrence after Radical Surgery for Esophageal Cancer</td>
<td>Hiromitsu Kanzaki / Dept. of Radiotherapy, National Hospital Organization Shikoku Cancer Center</td>
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<td>Palliative Radiotherapy in the Local Management of Stage IVB Esophageal Cancer</td>
<td>Gen Suzuki / Dept. of Radiology, Kyoto Prefectural University of Medicine</td>
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<td>Treatment Outcomes of Radiation Therapy for Portal Vein Tumor Thrombosis in Hepatocellular Carcinoma</td>
<td>Mika Nakatake / Dept. of Radiology, National Hospital Nagasaki Medical Center</td>
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<td>Clinical Outcomes after Carbon-ion Radiotherapy for Primary Renal Cell Carcinoma</td>
<td>Goro Kasuya / NIRS</td>
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<td>11:00-11:28</td>
<td>27</td>
<td>Radiation Oncology 4: Head and neck</td>
<td>Ryoiichi Yoshimura</td>
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<td>Chemoradiotherapy for Non-operated Tongue Cancer</td>
<td>Shinichiro Toyoshima / Dept. of Radiology, Toyama Prefectural Central Hospital</td>
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<td>Salvage Re-irradiation Using Intensity Modulated Radiation Therapy in Head and Neck Rare Tumors</td>
<td>Hiroshi Doi / Myokoijima IGHT Clinic</td>
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<td>Evaluation of Treatment Outcome of Curative Chemoradiotherapy for Pancreatic Sinus Cancer</td>
<td>Tomohiko Tanino / Dept. of Radiology, Tottori University School of Medicine</td>
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<td>Treatment Outcome of Intra-arterial Chemoradiotherapy for Locally Advanced Head and Neck Cancer in Patients Aged over 90 Years: Case Report</td>
<td>Takamitsu Mase / Dept. of Radiotherapy, Ise Red Cross Hospital</td>
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<td>13:00-13:28</td>
<td>28</td>
<td>Radiation Oncology 5: Neuro</td>
<td>Takeo Takahashi</td>
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<td>Therapeutic Efficacy of Hypofractionated Stereotactic Radiotherapy for Inoperable Arteriovenous Malformation</td>
<td>Takafumi Yamano / Dept. of Radiation Oncology, Saitama Medical Center Hospital</td>
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<td>Comparison of Gamma Knife Radiosurgery and Fractionated Radiotherapy in Patients with Intracranial Grade II and III Meningiomas</td>
<td>Wataru Takahashi / Dept. of Radiology, the University of Tokyo Hospital</td>
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C137  Feasibility and Efficacy of Individualized Radiation Therapy for Primary Central Nervous System Lymphoma: Radiation Treatment Planning According to Radiographic Assessment
Yoko Morimoto / Dept. of Radiation Oncology, Nara Medical University

C138  Cognitive Function Transition after Prophylactic Cranial Irradiation in Patients with Small Cell Lung Cancer
Toshimichi Nakano / Dept. of Radiology and Radiation Oncology, Niigata University Graduate School of Medical and Dental Sciences

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

29. Uroradiology Hiroshi Shinmoto

C139  Evaluation of Kidney Tissue Oxygen Saturation by Photoacoustic Imaging for the Early Prediction of Renal Function in Ischemia-reperfusion Kidney
Kenichiro Okumura / Dept. Radiology, Kanazawa University Graduate School of Medicine

C140  MRI of Prostate Cancer: Correlation with Pathological Findings and Correlation with Category Classification in PI-RADS
Masasuke Kohzai / Dept. of Radiology, Kansai Medical University

C141  Initial Experience with MRI-US Fusion Prostate Needle Biopsy; Learning Curve Analysis and Suggestions from Diagnostic Imaging Division
Nozomi Ohashi / Advanced Imaging Center, Nirmura Hospital

C142  Initial Experience with MRI-US Fusion Prostate Needle Biopsy; Correlation between Biopsy Results and PI-RADS Category
Nozomi Ohashi / Advanced Imaging Center, Nirmura Hospital

C143  Deviation of Pelvic Organs in the Upright Position: Evaluation in Healthy Population Using a 320-detector Row Upright CT
Kenichi Naito / Dept. of Diagnostic Radiology, Keio University School of Medicine
Product Exhibition Programs

April 14 (Sat.)

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

**K001**  Building an Integrated CAD Development Environment in Clinical Settings (the 11th Report): Efficient Presentation of Lesion Candidates Using Volume-ren\-dering Technique
Soichiro Miki / Dept. of CORPM, The University of Tokyo Hospital