

---

## Opening Ceremony (Past President Ceremony)

April 15 (Thu.) 10:00~11:00, G303+G304 (Room 1)

## Closing Ceremony

April 17 (Sat.) 17:15~17:35, G303+G304 (Room 1)

## AOSoR-AOCR Conjoint Session

AOSoR-AOCR Conjoint Session 1

April 15 (Thu.) 13:05~14:35, G303+G304 (Room 1)

Breast Imaging: State of the Art in AOCR

Chairpersons: Hiroko Kawashima (Kanazawa Univ., Japan)  
Yi-Hong Chou (Yuan Pei Univ. of Medical Technology, Taiwan)

- CS1-1 Contrast Enhanced Mammography (CEM) *Allison Rose*  
(The Royal Melbourne Hosp., Head of Breast Imaging, The Royal Melbourne & The Womens Hosp. breast Service, Australia)
- CS1-2 Let us work towards establishing a next-generation breast cancer screening program in Japan *Takayoshi Uematsu*  
(Dept. of Breast Imaging and Breast Intervention Radiology Shizuoka Cancer Center Hosp., Japan)
- CS1-3 Characterization and quantification of breast masses using MRI *Yeun-Chung Chang*  
(Dept. of Medical Imaging, National Taiwan Univ. Hosp. and National Taiwan Univ. Col. of Medicine, Taiwan)

AOSoR-AOCR Conjoint Session 2

April 15 (Thu.) 14:50~16:20, G303+G304 (Room 1)

Advanced Breast MRI applications: Is There Added Value?

Chairpersons: Masako Kataoka (Kyoto Univ., Japan)  
Evelyn Lai-Ming Ho (ParkCity Medical Centre, Malaysia)

- CS2-1 Clinical application of ultrafast DCE-MRI in breast cancer *Naoko Mori*  
(Diagnostic Radiology, Tohoku Univ. Graduate Sch. of Medicine, Japan)
- CS2-2 Diffusion MRI of the breast: Potential and challenges *Mami Iima*  
(Dept. of Diagnostic Imaging and Nuclear Medicine, Kyoto Univ. Graduate Sch. of Medicine, Japan / Dept. of Clinical Innovative Medicine, Institute for Advancement of Clinical and Translational Science (iACT), Kyoto Univ. Hosp., Japan)
- CS2-3 Radiomics in Breast Cancer Imaging: Is There Added Value? *Eun Sook Ko*  
(Dept. of Radiology, Samsung Medical Center, Sungkyunkwan Univ. Sch. of Medicine, Korea)

## Symposium

Symposium 1

April 15 (Thu.) 13:30~15:30, G301 (Room 2)

Radiotherapy with COVID-19

Chairpersons: Yasushi Nagata (Hiroshima Univ., Japan)  
Kazuhiko Ogawa (Osaka Univ., Japan)

- SY1-1 Current status of Radiotherapy (during Covid-19) in India *Shyam Shrivastava*  
(Apollo Hosp.s, Navi Mumbai, India)
- SY1-2 JASTRO x COVID-19 *Satoaki Nakamura*  
(Kansai Medical Univ., Japan)
- SY1-3 Radiotherapy service in Mongolia during COVID-19 *Uranchimeg Tsegmed*  
(Dept. of Radiation Oncology, National Cancer Center, Mongolia)
- SY1-4 Radiation treatment and covid 19: Challenges and opportunities. *N.Kumar Gogna*  
(MBBS DCH FRCP FRANZCR)

## Symposium 2

April 16 (Fri.) 9:30~11:30, G303+G304 (Room 1)

### Comprehensive Imaging of Pancreatic Cancer

Chairpersons: Satoshi Goshima (Dept. of Radiology, Hamamatsu Univ. Sch. of Medicine, Japan)  
Jin-Young Choi (Yonsei Univ. Col. of Medicine, Korea)

- |       |  |  |
|-------|--|--|
| SY2-1 | DWI for pancreatic cancer                                  | <i>Yoshihiko Fukukura</i><br>(Dept. of Radiology, Kagoshima Univ. Graduate Sch. of Medical and Dental Sciences, Japan) |
| SY2-2 | Imaging of pancreatic cancer in clinical practice          | <i>Cher Heng Tan</i><br>(Dept. of Diagnostic Radiology, Tan Tock Seng Hosp., Singapore)                                |
| SY2-3 | The imaging features of early/small pancreatic cancer      | <i>Dai Inoue</i><br>(Dept. of Radiology, Kanazawa Univ. Hosp., Japan)  |
| SY2-4 | Korean perspectives for Imaging of early pancreatic cancer | <i>Jin-Young Choi</i><br>(Dept. of Radiology, Yonsei Univ., Korea)   |

## Symposium 3

April 16 (Fri.) 13:30~15:00, G303+G304 (Room 1)

### Breast screening in Asia Oceania

Chairpersons: Hiroko Tsunoda (St Luke's International Hosp., Japan)  
MinJung Kim (Severance Hosp., Yonsei Univ., Korea)

- |       |  |   |
|-------|--|---|
| SY3-1 | Breast Cancer Screening and Outcome in Korea                       | <i>Woo Kyung Moon</i><br>(Dept. of Radiology, Seoul National Univ. Hosp., Korea)                              |
| SY3-2 | Ultrasound screening for young Asian women and its standardization | <i>Chiun-Sheng Huang</i><br>(National Taiwan Univ. Hosp. and Col. of Medicine, National Taiwan Univ., Taiwan) |
| SY3-3 | Breast Screening in Japan  | <i>Eriko Tohno</i><br>(Tsukuba International Breast Clinic, Japan)  |

## Symposium 4

April 16 (Fri.) 15:30~17:00, G303+G304 (Room 1)

### Imaging and Treatment Strategy for Triple Negative Breast Cancer: Based on the latest knowledge of pathology

Chairpersons: Masako Kataoka (Kyoto Univ., Japan)  
MinJung Kim (Severance Hosp., Yonsei Univ., Korea)

- |       |   |   |
|-------|---|---|
| SY4-1 | Triple negative breast cancer: from the pathologist's point of view | <i>Yoshiki Mikami</i><br>(Kumamoto Univ. Hosp., Japan)                              |
| SY4-2 | Triple Negative Breast Cancer from the Perspective of Radiologist   | <i>Sung Hun Kim</i><br>(Seoul St. Mary's Hosp., The Catholic Univ. of Korea, Korea) |
| SY4-3 | Current and Future Strategies for TNBC                              | <i>Takashi Ishikawa</i><br>(Tokyo Medical Univ., Japan)                             |

## Symposium 5

April 16 (Fri.) 9:30~11:30, G301 (Room 2)

### The state of the art and perspectives of nuclear medicine in Asia

Chairperson: Mitsuaki Tatsumi (Osaka Univ. Hosp., Japan)

- |       |  |   |
|-------|--|---|
| SY5-1 | Current PET/MRI technique for quantitative evaluation of brain imaging | <i>Hidehiko Okazawa</i><br>(Biomedical Imaging Research Center, Univ. of Fukui, Japan)    |
| SY5-2 | Diagnostic power of total-body PET/CT Explorer in clinical oncology    | <i>Hongcheng Shi</i><br>(Dept. of Nuclear Medicine, Zhongshan Hosp., China)               |
| SY5-3 | Efficacy of I-131 MIBG therapy in the patients with neuroblastoma      | <i>Daiki Kayano</i><br>(Dept. of Nuclear Medicine, Kanazawa Univ. Hosp., Japan)           |
| SY5-4 | Clinical radioimmunotherapy in Australia                               | <i>Sze Ting Lee</i><br>(Dept. of Molecular Imaging and Therapy, Austin Health, Australia) |

---

## Symposium 6 : Asian Prostate Imaging Working Group (APIWG)

April 16 (Fri.) 13:30~15:30, G301 (Room 2)

Current role of mpMRI for optimal management of prostate cancer

Chairpersons: Masahiro Jinzaki (Keio Univ. Sch. of Medicine, Japan)

Cher Heng Tan (Dept. of Diagnostic Radiology, Tan Tock Seng Hosp., Singapore)

- |       |  |  |
|-------|--|--|
| SY6-1 | PI-RADS v2.1 in current clinical practice<br>(Dept. of Radiology, Samsung Medical Center, Sungkyunkwan Univ. Sch. of Medicine, Korea)                                  | <i>Chan Kyo Kim</i>                                      |
| SY6-2 | Pitfalls in prostate MRI, including MRI-undetectable prostate cancer<br>(National Defense Medical Col., Dept. of Radiology, Japan)                                     | <i>Hiroshi Shinmoto</i>                                  |
| SY6-3 | Use PSMA PET/CT and mpMRI for biochemical recurrence following prostatectomy<br>(Dept. of Medical Imaging and Intervention, TuCheng Chang Gung Memorial Hosp., Taiwan) | <i>LI-Jen Wang</i>                                       |
| SY6-4 | Practical Role of mpMRI in Active Surveillance of Prostate Cancer  | <i>Chau Hung Lee</i><br>(Tan Tock Seng Hosp., Singapore) |

## Symposium 7

April 17 (Sat.) 9:30~11:30, G303+G304 (Room 1)

Imaging of respiratory tract infection

Chairpersons: Shuji Sakai (Tokyo Women's Medical Univ., Japan)

Kazuto Ashizawa (Nagasaki Univ. Graduate Sch. of Biomedical Sciences, Japan)

- |       |   |  |
|-------|---|--|
| SY7-1 | Initial CT features of COVID-19 predicting clinical category<br>(Shanghai Changzheng Hosp., China)  | <i>Li Fan</i>  |
| SY7-2 | Imaging evaluation of bacterial pneumonia<br>(Chonnam National Univ. Hosp., China)  | <i>Yun Hyeon Kim</i>                                   |
| SY7-3 | Infectious diseases in immunocompromised patients<br>(Dept. of Radiology, National Hosp. Organization, Yamaguchi-Ube Medical Center, Japan) | <i>Nobuyuki Tanaka</i>                                 |
| SY7-4 | Imaging of Pulmonary Mycobacterial Infection  | <i>Masuo Ujita</i><br>(Tachikawa General Hosp., Japan) |

## Symposium 8

April 17 (Sat.) 13:30~15:00, G303+G304 (Room 1)

Diffuse liver disease

Chairperson: Satoshi Goshima (Dept. of Radiology, Hamamatsu Univ. Sch. of Medicine, Japan)

- |       |   |                          |
|-------|---|--------------------------|
| SY8-1 | Free-breathing Multiple Hepatic Arterial Phase Imaging on Gadoxetate Disodium-enhanced MRI<br>(Hamamatsu Univ. Sch. of Medicine, Japan)           | <i>Shintaro Ichikawa</i> |
| SY8-2 | Clinical Application of MRE in the diffuse liver diseases<br>(Dept. of Radiology, Ruijin Hosp., Shanghai Jiao Tong Univ. Sch. of Medicine, China) | <i>Fuhua Yan</i>         |
| SY8-3 | Dynamic Nuclear Polarization for metabolic imaging of redox diseases<br>(Dept. of Radiology Frontier Science for Image, Gifu Univ., Japan)        | <i>Fuminori Hyodo</i>    |

## Symposium 9

April 17 (Sat.) 15:30~17:00, G303+G304 (Room 1)

Focal liver disease

Chairpersons: Yasunari Fujinaga (Dept. of Radiology, Shinshu Univ. Sch. of Medicine, Japan)

Satoshi Goshima (Dept. of Radiology, Hamamatsu Univ. Sch. of Medicine, Japan)

- |       |  |  |
|-------|--|--|
| SY9-1 | Radiogenomics for HCC – Current Status and Future Perspectives<br>(The Univ. of Tokyo Hosp., Japan)                | <i>Takeyuki Watadani</i>                     |
| SY9-2 | Current updates on radiomics and radiogenomics for intrahepatic cholangiocarcinoma<br>(Asan Medical Center, Korea) | <i>Hyo Jung Park</i>                         |
| SY9-3 | Radiomics for liver metastasis   | <i>Yoshifumi Noda</i><br>(Gifu Univ., Japan) |

## Symposium 10 with AOSR ExCo members

April 17 (Sat.) 9:30~11:30, G301 (Room 2)

### Management of radiological department in COVID-19 pandemic

Chairpersons: Kei Yamada (Dept. of Radiology, Kyoto Prefectural Univ. of Medicine, Japan)  
Dinesh K. Varma (The Alfred Hosp., Australia)

- SY10-1 In-vehicle CT scanner for COVID-19 pandemic in Japan *Tsuneo Yamashiro*  
(Dept. of Diagnostic Radiology, Yokohama City Univ., Japan)
- SY10-2 How to control infection of SARS-COV-2 in radiology department: Our experience in Chiba Cancer Center  
*Hideyuki Takano*  
(Div. of Diagnostic Imaging, Chiba Cancer Center, Japan)
- SY10-3 The COVID-19 pandemic: Experience in Taiwan  
*Yi-Hong Chou*  
(YuanPei Univ. of Medical Technology, Taipei Veterans General Hosp. and National Yang-Ming Univ., Taiwan)
- SY10-4 Interventional Radiology during COVID-19 Pandemic-perspective from the eye of the storm  
*Uei Pua*  
(Tan Tock Seng Hosp., Singapore)
- SY10-5 COVID-19: Experiences in Korea  
*Jongmin Lee*  
(Dept. of Radiology Kyungpook National Univ. Hosp., Korea)
- SY10-6 COVID-19: Experiences in Malaysia  
*Evelyn Lai-Ming Ho*  
(ParkCity Medical Centre, Malaysia)
- SY10-7 Management of radiological department in COVID-19 pandemic: "Experiences in Thailand"  
*Chamaree Chuapetcharasopon*  
(CP Medical Center, Thailand)
- SY10-8 Our journey of fighting against COVID-19 in Hong Kong  
*Danny Hing Yan Cho*  
(Kwong Wah Hosp., Hong Kong)
- SY10-9 COVID-19: Experiences in Vietnam  
*Pham Ngoc Hoa*  
(Cho Ray Hosp., Vietnam)

## Symposium 11

April 17 (Sat.) 13:30~15:30, G301 (Room 2)

### Radiomics and artificial intelligence

Chairpersons: Kei Yamada (Dept. of Radiology, Kyoto Prefectural Univ. of Medicine, Japan)  
Cheng-Yu Chen (Dept. of Medical Imaging, Taipei Medical Univ. Hosp., Taiwan)

- SY11-1 Radiomics and Deep learning in Neuro-Oncology: Introduction to Current Trend and Ways for Getting Over the Hype  
*Yae Won Park*  
(Yonsei Univ. Col. of Medicine, South Korea)
- SY11-2 Potential Application of Deep Learning and Radiomics into Clinical Workflow in Neuro-Oncology  
*Ji Eun Park*  
(Asan Medical Center, South Korea)
- SY11-3 A Few Lessons Learned from "Radiomics" and "Artificial Intelligence" Researches  
*Kin Kin Tha*  
(Hokkaido Univ. Graduate Sch. of Medicine, Japan)
- SY11-4 Finding Glioblastoma's Choked Points through Radiogenomics and Wet Bench  
*Sandy, Cheng-Yu Chen*  
(Translational Imaging Research Center, Taipei Medical Univ. Hosp., Taiwan / Dept. of Medical Imaging, Taipei Medical Univ. Hosp., Taiwan / Dept. of Radiology, Taipei Medical Univ., Taiwan)

## Educational Lecture

### Educational Lecture 1

(On-demand Program)

#### Diagnostic imaging of the chest: from basics to the latest technology

Chairperson: Masaki Hara (Dept. of Radiology, Nagoya City West Medical Center, Japan)

- EL1-1 Chest Radiograph Revisited: What Young Radiologists have to Know  
*Masashi Takahashi*  
(Yujin-Yamazaki Hosp., Shiga Univ. of Medical Science, Japan)
- EL1-2 State of the Art MR Imaging for Respiratory Diseases  
*Yoshiharu Ohno*  
(Fujita Health Univ. Sch. of Medicine, Japan)

- EL1-3 Up-to-date diagnostic imaging of lung cancer by CT: focused on lung adenocarcinoma *Masahiro Yanagawa*  
(Osaka Univ. Graduate Sch. of Medicine, Japan)
- EL1-4 The Current Status of Low-dose CT Screening for Lung Cancer in South Korea *Jin Mo Goo*  
(Seoul National Univ. Hosp., Korea)

**Educational Lecture 2**  
(On-demand Program)

Assessment of the resectability for biliary and pancreatic cancer

Chairperson: Yoshihiko Fukukura (Dept. of Radiology, Kagoshima Univ., Japan)

- EL2-1 Assessment of the resectability for pancreatic cancer *Yoshifumi Noda*  
(Gifu Univ., Japan)
- EL2-2 Assessment of the resectability for bile duct cancer *Joon-IL Choi*  
(Dept. of Radiology, Seoul St.Mary's Hosp. Col. of Medicine, the Catholic Univ. of Korea, Korea)

**Educational Lecture 3**  
(On-demand Program)

Trends in musculoskeletal imaging

Chairperson: Takatoshi Aoki (Dept. of Radiology, Univ. of Occupational and Environmental Health Sch. of Medicine, Japan)

- EL3-1 Current and emerging techniques in MR imaging of the Knee *Jung Ah Choi*  
(Dept. of Radiology, Hallym Univ. Dongtan Sacred Heart Hosp., Korea)
- EL3-2 Top five 'misses' on knee MRI *James F Griffith*  
(The Chinese Univ. of Hong Kong, China)
- EL3-3 Advanced Imaging of Articular Cartilage and Cartilage Surgery *Steven Wong Bak Siew*  
(Sengkang General Hosp., Singapore)
- EL3-4 Imaging of the hand and wrist *Tamotsu Kamishima*  
(Faculty of Health Sciences, Hokkaido Univ., Japan)

**Educational Lecture 4**  
(On-demand Program)

Radiation dose reduction in diagnostic radiology

Chairperson: Toshi Abe (Kurume Univ. Sch. of Medicine, Japan)

- EL4-1 Optimization in Digital Radiography: A Holistic Approach *Kwan Hoong Ng*  
(Dept. of Biomedical Imaging, Univ. of Malaya, Malaysia)
- EL4-2 Diagnostic Reference Levels: What Radiologists Should Know *Masaaki Akahane*  
(Dept. of Radiology, IUHW Narita Hosp., Japan)
- EL4-3 Evaluation of DNA damage induced by radiological diagnosis *Satoshi Tashiro*  
(Dept. Cell. Biol., RIRBM, Hiroshima Univ., Japan)

**Educational Lecture 5**  
(On-demand Program)

Advance in immuno-radiotherapy / AI for radiotherapy

Chairperson: Masahiko Koizumi (Dept. Medical Physics & Engineering, Graduate Sch. of Medicine and Health Science, Osaka Univ., Japan)

- EL5-1 Current status of radiotherapy combined with immune checkpoint inhibitors *Hiro Sato*  
(Gunma Univ. Heavy Ion Medical Center, Japan)
- EL5-2 AI technologies in radiation oncology *Mitsuhiro Nakamura*  
(Div. of Medical Physics, Dept. of Information Technology and Medical Engineering, Human Health Sciences, Graduate Sch. of Medicine, Kyoto Univ., Japan)

## Educational Lecture 6

(On-demand Program)

Current techniques in interventional radiology

Chairperson: Koichiro Yamakado (Hyogo Medical Col., Japan)

- EL6-1 Pulmonary arteriovenous malformation (PAVM) embolization *Kiang Hiong Tay*  
(Dept. of Vascular and Interventional Radiology, Singapore General Hosp., Singapore)
- EL6-2 Below the knee (BTK) angioplasty for critical limb ischemia *Je Hwan Won*  
(Dept. of Radiology, Ajou Univ. Sch. of Medicine, Korea)
- EL6-3 Natural history of unruptured visceral artery aneurysms due to segmental arterial mediolysis and efficacy of transcatheter arterial embolization *Masashi Shimohira*  
(Dept. of Radiology, Nagoya City Univ. Graduate Sch. of Medical Sciences, Japan)
- EL6-4 Ablation for Bone and Soft Tissue Tumor *Haruyuki Takaki*  
(Hyogo Col. of Medicine, Japan)
- EL6-5 Basic principle and clinical evidence in DEB-TAE and cTACE for hepatocellular carcinoma *Toshihiro Tanaka*  
(Dept. of Radiology, Nara Medical Univ., Japan)

## Educational Lecture 7

(On-demand Program)

Pediatric Interventional Radiology

Chairperson: Shunsuke Nosaka (National Center for Child Health and Development, Japan)

- EL7-1 The IR's Role in treating vascular malformations *Luke Michael Han Wei Toh*  
(KK Women's and Children's Hosp., Singapore)
- EL7-2 Percutaneous treatment of various lymphatic disease in children *Masayoshi Yamamoto*  
(Dept. of Radiology, Teikyo Univ. Sch. of Medicine, Japan)

## Educational Lecture 8

(On-demand Program)

Pediatric Radiology

Chairperson: Osamu Miyazaki (National Center for Child Health and Development, Japan)

- EL8-1 Multimodality imaging for pediatric IBD *Young Hun Choi*  
(Seoul National Univ. Hosp., Korea)
- EL8-2 Clinical presentations and imaging of neuroblastoma *Hidekazu Aoki*  
(Dept. of Diagnostic Radiology, Tohoku Univ. Hosp., Japan)

## Oral & Electronic Poster Presentation

### Oral & Electronic Poster Presentation 1

April 15 (Thu.) 16:20~17:10, 313+314 (Room 5)

AOCR-JRS Conjoint Scientific Session: Chest 1

Moderator: Masahiro Endo (Chiba University)

- ARO1-1 CT Imaging Features and Clinical Data of Pulmonary *Mycobacterium kansasii* Infection *Hiroki Yano*  
(Osaka National Hosp.)
- ARO1-2 Establishment and Application of Multiple Parameters Model of Lung Cancer Screening Based on Tumor-related Autoantibodies Panel and Deep Learning *Qingcheng Meng*  
(Dept. of Radiology, the affiliated tumor of Zhengzhou Univ.)
- ARO1-3 Deep Learning Reconstruction Improves Image Quality of Submillisievert Chest CT in Patients with Interstitial Lung Disease *Ruijie Zhao*  
(Dept. of Radiology, Peking Union Medical College Hosp., Chinese Academy of Medical Sciences)
- ARO1-4 Effects of Deep Learning-based Reconstruction Technique on the Image Quality of Low-dose Chest CT Compared to Conventional Reconstruction Algorithms *Duxue Tian*  
(Dept. of Radiology, Peking Union Medical College Hosp.)

---

ARO1-5 Improving Image Quality of Axillary Lymph Nodes Based on Deep Learning Algorithm in Low Dose CT

*Huayang Du*

(Dept. of Radiology, Peking Union Medical College Hosp.)

Oral & Electronic Poster Presentation 2

April 15 (Thu.) 13:30~14:20, F205+206 (Room 12)

AOCR-JRS Conjoint Scientific Session: Musculoskeletal

Moderator: Katsuyuki Nakanishi (Department of Diagnostic & Interventional Radiology, Osaka International Cancer Institute)

ARO2-1 Pitfall of Phase Only Correlation (POC) Analysis in Detection of Radiographic Finger Joint Space Narrowing in Rheumatoid Arthritis

*Yujie An*

(Dept. of Faculty of Health Sciences, Univ. of Hokkaido Univ., Sapporo, Japan)

ARO2-2 Optimization of Radiation Dose and Screening Time in Fluoroscopic-guided Injection for Shoulder Arthrography with a Low-cost Self-designed Cushion

*Wing Tsung Anthony Chin*

(Dept. of Radiology and Organ Imaging, United Christian Hosp., Hong Kong SAR, China)

ARO2-3 CT Guided Bone and Soft Tissue Biopsy for Diagnostic Adequacy and Safety

*Kathy Wing in Sit*

(Dept. of Diagnostic Radiology, Tung Wah Groups of Hosp.)

ARO2-4 Rheumatoid Bone Erosion Extending Beyond the Central Diaphysis of Metacarpal Bone on MRI

*Wanxuan Fang*

(Faculty of Health Sciences, Hokkaido Univ.)

ARO2-5 Withdrawal

Oral & Electronic Poster Presentation 3

April 15 (Thu.) 14:30~15:30, F205+206 (Room 12)

AOCR-JRS Conjoint Scientific Session: AI, Radiomics

Moderator: Atsushi Kono (Kobe University)

ARO3-1 Investigating the Time to Distance Measurement in Abdominal Ultrasonography and Supporting Measurement with Deep Learning Techniques

*Masahiro Hashimoto*

(Dept. of Radiology, Keio Univ., School of Medicine, Tokyo, Japan)

ARO3-2 A Prospective Study in the Use of an Artificial Intelligence Based Chatbot to Educate Patients before Breast Biopsy.

*Sudhanshu Tonpe*

(Dept. of Radiology, Apollo Institute of Medical Sciences and Research, Hyderabad, India.)

ARO3-3 Performance of Deep Learning Model using Ensemble Method for Pediatric Bone Age Assessment

*Krishna Pandu Wicaksono*

(Dept. of Radiology, Kyoto Univ./ Dept. of Radiology, Univ. of Indonesia)

ARO3-4 Effect of Deep Learning Based Image Reconstruction Algorithm in Chest Thin-slice CT

*Wen Zeng*

(West China Hosp., Sichuan Univ., China)

ARO3-5 The Application Value of Artificial Intelligence Based Filtering and Interpolated Image Reconstruction Algorithm in Abdominal MR Image Denoising

*Xu Xu*

(Dept. of Radiology, West China Hosp. of Sichuan Univ.)

ARO3-6 Aquilion One CT Radiomic Features of Pseudoprogression and Hyperprogression in Solid Tumors with Immune Checkpoint Inhibitors Therapy

*He Shuai*

(Cancer Hosp. of China Medical Univ.)

Oral & Electronic Poster Presentation 4

April 15 (Thu.) 15:40~16:00, F205+206 (Room 12)

AOCR-JRS Conjoint Scientific Session: Radiation Oncology

Moderator: Fumiaki Isohashi (Osaka University Graduate School of Medicine)

ARO4-1 Planning Study to Avoid Dosimetric Risk Factors for Complications in Neoadjuvant Chemoradiotherapy for Lung Cancer: Conventional Radiotherapy Versus Intensity-modulated Radiotherapy

*Shigeo Takahashi*

(Dept. of Radiation Oncology, Kagawa Univ. Hosp., Kagawa, Japan)

ARO4-2 Lymph Node Metastases Diagnosed by 18f-FDG-PET/CT in Esophageal Squamous Cell Cancer and Treated with Concurrent Chemoradiotherapy

*Ichiro Ogino*

(Dept. of Radiation Oncology, Yokohama City Univ.)

---

### Oral & Electronic Poster Presentation 5

April 15 (Thu.) 16:00~16:50, G301 (Room 2)

AOCR-JRS Conjoint Scientific Session: Neuro, Head, and Neck 1

Moderator: Hisashi Tanaka (Osaka University)

- ARO5-1 Correlation between Conventional and New Parameters on CEST Imaging by Multi Pool Model and <sup>11</sup>C-MET Uptake on PET/CT in Gliomas *Yasukage Takami*  
(Dept. of Radiology, Faculty of Medicine, Kagawa Univ., Kagawa, Japan)
- ARO5-2 Differentiating Astrocytoma, IDH-mutant from IDH-wildtype: Comparison with Synthetic MRI and 2-Hydroxyglutarate MRS *Kazufumi Kikuchi*  
(Dept. of Clinical Radiology, Kyushu Univ., Fukuoka, Japan)
- ARO5-3 Usage of Quantitative Susceptibility Mapping in Clinical Examination. *Yasutaka Fushimi*  
(Dept. of Diagnostic Imaging and Nuclear Medicine, Kyoto Univ. Graduate School of Medicine)
- ARO5-4 Difference of Amide Proton Transfer-weighted MR Signals in the Peritumoral Area between Primary Central Nervous System Lymphomas and Glioblastomas *Ryuta Ito*  
(Dept. of radiology, SHIGA Univ. of medical science)
- ARO5-5 Quantitative Study on MRI Texture Analysis of Orbital Solitary Fibrous Tumor and Neurilemmoma *Baoyue Zhang*  
(The First Affiliated Hosp. of Yunnan Univ.)

### Oral & Electronic Poster Presentation 6

April 16 (Fri.) 9:30~10:20, 313+314 (Room 5)

AOCR-JRS Conjoint Scientific Session: Neuro, Head, and Neck 2

Moderator: Hidemasa Takao (University of Tokyo)

- ARO6-1 Age- and Gravity-related Changes of the Midface: Quantitative Evaluation using Upright and Supine Computed Tomography *Minoru Yamada*  
(Dept. of Radiology, Keio Univ. School of Medicine)
- ARO6-2 Direct Comparison between Digital and Conventional PET/CT for FDG Uptake of Lumbar Enlargement of Spinal Cord *Tomohisa Okada*  
(Dept. of Radiology, Univ. of Ehime, Ehime, Japan)
- ARO6-3 Correlation between the New MMD Collateral Grading System and Cerebral Hemodynamics in Moyamoya Disease: Based on One-stop-shop CT *Ling Li*  
(Beijing Institute of Geriatrics, Beijing Hosp., National Center of Gerontology, China)
- ARO6-4 Model-based Iterative Algorithm for Target Scan and Target Reconstruction in Submillisievert Temporal Bone CT Image *Tianjiao Wang*  
(Dept. of Radiology Peking Union Medical College Hosp., Beijing)
- ARO6-5 Low Contrast Media Usage with CE BOOST Technique in Head and Neck CTA *Mengwen Liu*  
(Dept. of Radiology, Peking Union Medical College Hosp.)

### Oral & Electronic Poster Presentation 7

April 16 (Fri.) 10:50~11:40, 313+314 (Room 5)

AOCR-JRS Conjoint Scientific Session: Chest 2

Moderator: Takeshi Kubo (Tenri Hospital)

- ARO7-1 Comparison of Chest CT Grading Systems in Coronavirus Disease 2019 (COVID-19) Pneumonia *Shohei Inui*  
(Radiology, The Univ. of Tokyo, Radiology, Japan Self-Defense Forces Central Hosp.)
- ARO7-2 Clinical and CT Characteristics of Pulmonary Embolism Detected by CT in Patients with Malignant Cancer *Yangling Hu*  
(Dept. of Radiology, The First Affiliated Hosp., Sun Yat-sen Univ.)
- ARO7-3 CT Quantitative Analysis in Patients with Severe COVID-19 and Its Correlation with Laboratory Examination Results *Ting Chen*  
(Dept. of Radiology, the Second Affiliated Hosp. of Chongqing Medical Univ.)
- ARO7-4 The Prediction of Lymph Node Metastasis in Lung Adenocarcinoma Based on Radiomic Features of CT Imaging *Ping Xiang*  
(Dept. of Radiology, The First Affiliated Hosp. of Zhejiang Chinese Medical Univ., Hangzhou, China)
- ARO7-5 Effect of Model-Based Iterative Reconstruction on Image Quality of Submillisievert CT *Yun Wang*  
(Dept. of Radiology, Peking Union Medical College Hosp., Chinese Academy of Medical Sciences)



---

### Oral & Electronic Poster Presentation 8

April 16 (Fri.) 15:50~16:40, 313+314 (Room 5)

AOCR-JRS Conjoint Scientific Session: Cardiovascular 1

Moderator: Munemasa Okada (Yamaguchi University Hospital)

- ARO8-1 Second Generation of Dual Source Computed Tomography for Evaluating Coronary Artery Lesions in Vietnamese Pediatric Patients with Kawasaki Disease *Nguyen Thi Thanh Huong*  
(Radiology Dept., Viet Nam National Children's Hosp.)
- ARO8-2 Radiomics Features in Subtracted Myocardium CT Image Improve Ischemia Detection *Jing Yan*  
(Canon Medical Systems (China))
- ARO8-3 An Inverse Relationship between Epicardial Adipose Tissue Volume and Severity of Coronary Atherosclerosis in Triple-vessel Coronary Artery Disease *Yu Sun*  
(College of Medicine and Biological Information Engineering, Northeastern Univ./ Dept. of Radiology, General Hosp. of Northern Theater Command)
- ARO8-4 Improving Image Quality with Model Based Iterative Reconstruction in 80kv Low Dose Coronary CTA *Ming Wang*  
(Dept. of Radiology, Peking Union Medical College Hosp.)
- ARO8-5 Diagnostic Accuracy of Subtraction Coronary CT Angiography among Readers with Different Experience *Fang Li*  
(Dept. of Radiology, Beijing Friendship Hosp. Capital Medical Univ.)

### Oral & Electronic Poster Presentation 9

April 16 (Fri.) 17:00~18:00, 313+314 (Room 5)

AOCR-JRS Conjoint Scientific Session: Gastrointestinal

Moderator: Taro Ichikawa (Nippon Medcal School Musashikosugi Hospital)

- ARO9-1 MRI Findings Peripheral to Colorectal Liver Metastasis: Predictors of Long-term Surgical Outcome *Yudai Nakai*  
(Dept. of Radiology, Graduate School of Medicine, The Univ. of Tokyo, Tokyo, Japan)
- ARO9-2 Application of MRI Quantitative Hemodynamic Parameters Histogram Analysis in the Development of Rabbit VX2 Liver Cancer Model *Rui Guo*  
(Dept. of Radiology, Xinjiang production and Construction Corps Hosp.)
- ARO9-3 Compare the Improvement of Different Reconstruction Algorithms on the Quality of Pancreatic CT Images *Qiaoling Wu*  
(Dept. of Radiology Peking Union Medical College Hosp.)
- ARO9-4 The Feasibility of Forward Projected Model-based Iterative Reconstruction Solution(FIRST) for Low-dose Liver CT Imaging *Wendi Shen*  
(Dept. of Radiology, Peking Union Medical College Hosp.)
- ARO9-5 The Extracellular Fraction of 640-slice DVCT, FIB-4, Forns Combined to Predict the Changes of Portal Vein Pressure 3 Months after TIPS *Hongyan Dai*  
(Dept. of Radiology, Affiliated Hosp. of Yunnan Univ.)
- ARO9-6 Computed Tomography Perfusion Measurements in Colorectal Cancer: Comparison between Standard Singular-value Decomposition and Maximum Slope Mathematical Models *Yanyan Xu*  
(Dept. of Radiology, China-Japan Friendship Hosp.)

### Oral & Electronic Poster Presentation 10

April 16 (Fri.) 16:00~16:50, G301 (Room 2)

AOCR-JRS Conjoint Scientific Session: Genitourinary

Moderator: Yoshitaka Okada (Saitama Medical University International Medical Center)

- ARO10-1 Assessment of Uterine Artery Recanalization after Uterine Artery Embolization using Non-contrast Enhanced Magnetic Resonance Angiography. *Juliana Yumi Ishisaki*  
(Dept. of Radiology, Juntendo Univ., Tokyo, Japan)
- ARO10-2 Mucinous Tumors Arising from Ovarian Teratomas as Another Source of Pseudomyxoma Peritonei: MR Findings *Yumiko O. Tanaka*  
(Diagnostic Imaging Dept., Cancer Institute Hosp. of Japanese Foundation for Cancer Research, Tokyo, Japan, Dept. of Diagnostic & Interventional Radiology, Tsukuba Univ. Hosp., Tsukuba, Japan)
- ARO10-3 Changes of the Ovary in MR Imaging Findings ; Response to CCRT in Patients with Uterine Cervical Cancer. *Kensuke Inamura*  
(Dept. of Radiology, Dokkyo Medical Univ.)

---

ARO10-4 Whole-volume CT Texture Analysis in Differentiating Clinicopathological Characteristics of Ovarian Carcinoma  
*Mandi Wang*  
(Dept. of Diagnostic Radiology, The Univ. of Hong Kong, Hong Kong SAR, China)

ARO10-5 Xanthogranulomatous Orchitis - Mimicker of Testicular Tumour  
*Hoi Ling Chan*  
(Dept. of Radiology, North District Hosp., Hong Kong)

Oral & Electronic Poster Presentation 11  
April 17 (Sat.) 16:20~16:40, 304 (Room 7)  
AOCR-JRS Conjoint Scientific Session: Breast  
Moderator: Satake Hiroko (Nagoya University)

ARO11-1 Four-dimensional Similarity Filter with Body Registration in Preoperative Breast Cancer Evaluation: A Preliminary Experience  
*Kanako Okada*  
(Dept. of Radiology, Ehime Univ. Graduate School of Medicine)

ARO11-2 Evaluation of [<sup>89</sup>Zr]Zr-DFO-trastuzumab for Her2 PET in Breast Cancer Xenograft-bearing Mice  
*Nannan Zhao*  
(Cancer Hosp. of China Medical Univ., Liaoning Cancer Hosp. & institute)

Oral & Electronic Poster Presentation 12  
April 17 (Sat.) 9:30~10:10, 313+314 (Room 5)  
AOCR-JRS Conjoint Scientific Session: Interventional Radiology  
Moderator: Keigo Osuga (Osaka Medical College)

ARO12-1 Diagnosis of Retroperitoneal Tumors in Children by Ultrasound-guided Core Needle Biopsy in a Retrospective Study on 52 Cases  
*Nguyen Thi Thanh Huong*  
(Radiology Dept., Viet Nam National Children's Hosp.)

ARO12-2 Value of CT Diagnosis of Portal Vein Branch Aneurysm  
*Guoping Zhang*  
(Shaanxi provincial people's Hosp.)

ARO12-3 The Utility of Simultaneous CT-guided Localization for Multiple Pulmonary Nodules using Microcoil before Video-Assisted Thoracic Surgery  
*Yanyan Xu*  
(Dept. of Radiology, China-Japan Friendship Hosp.)

ARO12-4 Implication of CT-guided Coaxial Core Transthoracic Lung Biopsy Guided by CT and PET/CT Fusion Imaging  
*Hongliang Sun*  
(Dept. of Radiology, China-Japan Friendship Hosp.)

Oral & Electronic Poster Presentation 13  
April 17 (Sat.) 16:00~16:50, G301 (Room 2)  
AOCR-JRS Conjoint Scientific Session: Cardiovascular 2  
Moderator: Shingo Kato (Department of Diagnostic Radiology, Yokohama City University)

ARO13-1 The Usefulness of Cardiovascular Magnetic Resonance in the Evaluation of Severe Aortic Stenosis before Transcatheter Aortic Valve Implantation  
*Masahiro Takakado*  
(Dept. of Radiology, Ehime Univ. Graduate School of Medicine, Ehime, Japan)

ARO13-2 Diagnostic Performance of Coronary CT Angiography with Filter Convolution 56 Half-cycle Reconstruction Based on 320-row CT: Comparison with Routine Reconstruction  
*Yi Man*  
(The first affiliated Hosp. of Wenzhou Medical Univ.)

ARO13-3 Low-Attenuation Noncalcified Plaque and Pericoronary Adipose Tissue Evaluated by Coronary CT Angiography: Relationship with Acute Coronary Syndrome  
*Tingting Han*  
(Xi'an Medical College)

ARO13-4 Explore the Advantage of Variable Helical Pitch Technique in Aorta CTA Imaging  
*Kai Xu*  
(Dept. of Radiology, Peking Union Medical College Hosp.)

ARO13-5 Comparison on Image Quality of Two Type Low-dose Scan CE BOOST and TIMEMIP on Blood Capillary of Foot  
*Fei Fei Cai*  
(Dept. of Radiology, Shaoxing People's Hosp.)

---

## AOCR Poster Session

### AOCR Poster Session

#### (On-demand Program)

- APS001 Prospective Study in the evaluation of the role of MR Spectroscopy with MRI of Ring Enhancing lesions in the Brain *Sudhanshu Tonpe*  
(Dept. of Radiology, Apollo Institute of Medical Sciences and Research, India)
- APS002 Artificial Intelligence based Chatbot in Radiology Education *Sudhanshu Tonpe*  
(Dept. of Radiology, Apollo Institute of Medical Sciences and Research, India)
- APS003 Radiomics Based On 18 F-Fdg Pet/Ct In Breast Cancer Detection Using Deep Learning: A Preliminary Study *Sudhanshu Tonpe*  
(Dept. of Radiology, Apollo Institute of Medical Sciences and Research, India)
- APS004 Artificial Intelligence in the evaluation of Acute abdomen on Computed Tomography *Sudhanshu Tonpe*  
(Dept. of Radiology, Apollo Institute of Medical Sciences and Research, India)
- APS005 What are the challenges for radiologists in doing 3D printing modeling in mandibular reconstruction using bone flap? *Shan Shan Cheng*  
(Radiology and Imaging, Queen Elizabeth Hosp., Hong Kong)
- APS006 Ductogram Features of Patients with Single Nipple Discharge – A Single Center 5-year Review *Hoi Ling Chan*  
(Dept. of Radiology, North District Hosp., Hong Kong)

---

## Luncheon Seminar

### Luncheon Seminar 1

April 15 (Thu.) 12:00~12:50, G303+G304 (Room 1)

How can we see the liver from imaging?

Chairperson: Satoshi Goshima (Hamamatsu Univ. Sch. of Medicine, Japan)

1. Recent MR imaging for assessment of NASH

*Kento Imajo*  
(Dept. of Gastroenterology and Hepatology, Yokohama City Univ., Japan)

2. Recent imaging tips for diagnosis of HCC

*Shintaro Ichikawa*  
(Dept. of Radiology, Univ. of Yamanashi, Japan)

Sponsored by: GE Healthcare Japan Corporation

### Luncheon Seminar 2

April 15 (Thu.) 12:00~12:50, G301 (Room 2)

Latest Diagnostic & Treatment on Neuro

Chairperson: Masaaki Hori (Toho Univ. Omori Medical Center, Japan)

1. MRI for Acute Management of Stroke  
~Arterial Spin Labeling as a Key Decision Maker~

*Yoshimasa Niiya*  
(Otaru General Hosp., Japan)

2. New Trends: Hybrid Neuro-Surgery with FlexArm

*Taketo Hatano*  
(Kokura Memorial Hosp., Japan)

Sponsored by: Philips Japan, Ltd.

### Luncheon Seminar 3

April 16 (Fri.) 12:00~12:50, G303+G304 (Room 1)

Expanding the possibilities of diagnostics with innovative CT technology

Chairperson: Noriko Oyama-Manabe (Jichi Medical Univ. Saitama Medical Center, Japan)

1. Thoracic Imaging on High-Spatial-Resolution CT: From Image Quality to Diagnostic Performance *Masahiro Yanagawa*  
(Diagnostic and Interventional Radiology, Osaka Univ. Graduate Sch. of Medicine, Japan)

2. Up to date ASCI guidelines: Pediatric Cardiovascular Imaging with Area Detector CT *Eriko Maeda*  
(Dept. of Radiology, Graduate Sch. of Medicine, Univ. of Tokyo, Japan)

Sponsored by: CANON MEDICAL SYSTEMS CORPORATION

### Luncheon Seminar 4

April 16 (Fri.) 12:00~12:50, G301 (Room 2)

Key Points of Diagnostic Imaging in CNS Region to the Next Stage

Chairperson: Yukio Miki (Osaka City Univ., Japan)

1. "From Diffusion MRI to Human Brain Connectomics"

*Koji Kamagata*  
(Dept. of Radiology Juntendo Univ., Japan)

2. Glymphatic system; Challenges for the visualization by MRI

*Shinji Naganawa*  
(Dept. of Radiology Nagoya Univ., Japan)

Sponsored by: Guerbet Japan KK

### Luncheon Seminar 5

April 17 (Sat.) 12:00~12:50, G301 (Room 2)

CT•MR Clinical Trends & New Findings in Cardiovascular imaging

Chairperson: Kei Takase (Tohoku Univ. Sch. of Medicine, Japan)

1. 4D flow MRI as a Comprehensive Assessment Tool of Hemodynamics and its Application to Cardiac Surgery.

*Keiichi Itatani*  
(Dept. of Cardiovascular Surgery, Cardiovascular Imaging Research Laboratory, Adult Congenital Heart Disease Center, Kyoto Prefectural Univ. of Medicine, Japan)

2. The AMPLIFiED multicenter study: Results and implications for clinical use of dynamic CT perfusion imaging.

*Kakuya Kitagawa*  
(Dept. of Advanced Diagnostic Imaging, Mie Univ. Graduate Sch. of Medicine, Japan)

Sponsored by: Siemens Healthcare K.K.