Oral Presentation Programs

April 15 (Thu)

13:30-14:30 (301)
Neruroradiology Demyelinating disorder/Tumor/ Miscellaneous Akio Hiwatashi

★**ROP1-1** Correlation between Right Entorhinal Cortical Thickness and MMSE Scores using Multi-country Datasets
Koji Yamashita */ Dept. of Radiology, Kyushu Med. Ctr.*

ROP1-2 Assessment of Atrophic Changes of the Brain in Multiple Sclerosis by AI-Based Morphometry
Kazuhiro Tsuchiya */ Dept. of Radiology, Saitama Med Center, Saitama Medical Univ.*

ROP1-3 Combination of Texture Features of Multiparametric MRI to Discriminate Low-Grade from Non-Low-Grade Meningiomas
Yo Oguma */ Dept. of Diagnostic Radiology, Tohoku Univ.*

ROP1-4 What is the Best Parameter to Distinguish PCNSL from Glioblastoma?: a Comparative Study of DSC, ASL, and DWI
Ayano Ishiyama */ Dept. of Radiology, Nagasaki Univ. Hosp.*

ROP1-5 Detection of Carotid Plaque Calcification using Quantitative Susceptibility Map: a Comparison to Conventional Vessel Wall Imaging Techniques
Hideki Ishimaru */ Dept. of Radiology, Nagasaki Univ.*

ROP1-6 Differentiation of Glioblastoma and Lymphoma by Time-dependent DWI
Kiyohisa Kamimura */ Dept. of Radiology, Kagoshima Univ.*

14:50-15:50 (301)
Neruroradiology Degenerative disorder Shingo Kakeda

★**ROP2-1** MR-Guided Focused Ultrasound Thermal Ablation for Brain Connectivity Dysrhythmia: Single-Center Experience for 8 Years
Toshio Yamaguchi */ Research I. of Radiology, Shin-yuri GH*

★**ROP2-2** The DRD3 Ser9Gly Polymorphism-related Brain Volume Changes in Parkinson's Disease: Voxel-based Morphometry
Kenji Ohira */ Dep. of Radiology, Chiba Univ*

ROP2-3 An Image Evaluation of Consecutive Dopamine Neuronal Changes During the Preclinical Phase of Parkinson's Disease Development with Visual Assessment
Katsuaki Akazawa */ Dept. of Health Sciences, Osaka Univ.*

ROP2-4 The Utility of Visual Assessment of Iron Deposition in the Brainstem in Evaluating the Early Stages of Parkinson's Disease Development
Tomoki Hirakawa */ Dept. of Health Sciences, Osaka Univ.*

ROP2-5 Development of an Accurate and Reproducible Evaluation Method for Amyloid Plaque Imaging by Phase Difference-Enhancing (AP-PADRE): Application of Mathematical Morphology.
Akira Arai */ Kousei Sendai Clinic*

ROP2-6 Visualization of the Substantia Nigra Pars Compacta using DANTE T1-SPACE: Differentiation between Healthy Controls and Patients with Parkinson's Disease
Sonoko Oshima */ Dept. of Radiology, Kyoto Univ.*

13:30-14:40 (302)
Chest COVID-19 infection Yasuyuki Kurihara

★**ROP3-1** Clinical Severity and CT Features of the COVID-19 Pneumonia: Focus on CT Score and Laboratory Parameters
Jianghui Duan */ China-Japan Friendship Hosp.*

ROP3-2 The Experiment of Preoperative COVID-19 Chest CT Screening at Our Institution
Satoshi Ishimoto */ Dept. of Radiology, Shiga Univ.*

ROP3-3 Can Deep Learning-based Volumetric Analysis Predict Increased Oxygen Demand in COVID-19 Pneumonia?
Marie Takahashi */ Dept. of.Radiology, TMDU*

ROP3-4 Evaluation of the Clinical Usefulness of Deep Learning-based CT Pneumonia Analysis for Diagnosing COVID-19 Pneumonia
Toshihiro Horii */ Dept. of Radiology. TMDU.*

ROP3-5 Evaluation of the Usefulness of CO-RADS for Patients Suspected of Having COVID-19 in Tokyo Medical and Dental University Hospital
Tomoyuki Fujioka */ Dept. of Diagnostic Radiology, TMDU*

ROP3-6 Diagnostic Performance of CO-RADS Classification of COVID-19 Pneumonia on Chest CT in Non-Epidemic Area
Mayuko Kishimoto */ Dept. of Radiology, Yokohama City Univ.*

ROP3-7 Assessment of Teleradiology Service for COVID-19 Pneumonia
Tsuyoshi Morimoto */ Dept. of Radiology, St. Marianna Univ.*

14:50-15:50 (302)
Chest Tumor/Miscellaneous Shingo Iwano

ROP4-1 Manifestations of Solitary Cavitary Lung Cancer on CT
Ayumi Ihara-Nishishita */ Dept. of Radiology, Kagawa Univ. Sch. of Medicine*

★**ROP4-2** Image Quality and Nodule Detection in Submillisievert Chest Ultra-Low-Dose CT with Deep Learning Reconstruction Compared to Standard Dose CT
Lan Song */ Dept. of Radiology, Peking Union Medical College Hosp.*

★**ROP4-3** WITHDRAWN

ROP4-4 Differential Diagnosis between Low-risk and High-risk Thymoma: Comparison of Diagnostic Performance of Radiologists with and without Deep Learning Algorithm
Yuriko Yoshida */ Dept. of Radiology, Osaka Univ.*

★：English Presentation

★**ROP4-5** Serial Changes of HRCT Findings in Systemic Sclerosis-Related Interstitial Lung Disease (SSc-ILD)
Ryoko Egashira */ Dept. of Radiology, Saga Univ*

★**ROP4-6** Kerley's a Line Represents Thickened Septal Plates between Lung Segments: Confirmation using 3D-CT Lung Segmentation Analysis
Nanae Tsuchiya */ Dept. of Radiology, Ryukyu Univ.*

13:30-14:20 (303)
Hepatobiliary/Pancreras Diffuse Liver Disease
Kengo Yoshimitsu

ROP5-1 Analysis of Computed Tomography Density of Liver before and after Amiodarone Administration
Masazumi Matsuda */ Dept. of Radiology, Akita Univ.*

ROP5-2 Portal Venous Hemodynamics with an Abdominal 4D Flow MR Imaging in Patients with and without Chronic Liver Disease
Atsushi Higaki */ Dept. of Radiology, Kawasaki Medical Sch.*

ROP5-3 Assessment of Heterogeneity of Liver Fibrosis using Extracellular Volume Fraction Obtained by Dual-energy Computed Tomography
Kumi Ozaki */ Dept. of Radiology, Fukui Univ.*

ROP5-4 Effect of Type 2 Diabetes to Gd-EOB-DTPA Liver Uptake
Soma Kumasaka */ Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma Univ.*

★**ROP5-5** Application of Gd-EOB-DTPA Enhanced MRI Based Radiomics in the Quantitative Assessment of Liver Reserve Function Patients with Liver Cirrhosis
WEI ZHOU */ Dept. of Radiology, Huzhou Central Hosp., Affiliated Central Hosp. of Huzhou Univ. and Zhejiang Univ. School of Medicine*

14:50-15:40 (303)
Hepatobiliary/Pancreras Hepatic Tumor
Kazuhiko Ueda

ROP6-1 Colorectal Liver Metastasis: Interobserver Agreement and Pathological Correlation of CT Morphologic Criteria
Misato Sone */ Dept. of Radiology, Iwate Medical Univ.*

ROP6-2 Utility of Iodine Maps Derived from Deep Learning-based Spectral Imaging for the Identification of Arterial Hypervascularity of Hepatocellular Carcinoma
Keigo Narita */ Dept. Diagnostic Radiology. Hiroshima Univ.*

ROP6-3 Deep Learning Based Image Reconstruction in Dynamic Contrast-enhanced Abdominal CT: Image Quality and Lesion Detection among Reconstruction Strength Levels
Tetsuro Kaga */ Dept. of Radiology, Gifu Univ*

ROP6-4 What is the "Washout" of Hepatocellular Carcinoma as Observed on CT?: Consideration Based on the Concept of Extracellular Volume Fraction
Keiko Sakamoto */ Dept. of Radiology, Fukuoka Univ.*

★**ROP6-5** Early Recurrence Prediction for Single Hepatocellular Carcinoma after Curative Resection with Deep Learning Radiomics Based on Preoperative CT Images
Jifei Wang */ Dept. of Radiology, The first affiliated Hosp. of Sun Yat-sen Univ.*

13:30-14:30 (304)
Interventional Radiology Embolization
Akira Yamamoto

ROP7-1 Timing of Intervention of Transarterial Chemotherapy as a Posterior Treatment for Refractory Colorectal Liver Metastases
Akihiko Seki */ Dept. of Medical oncology, Suita Tokushukai Hospital*

ROP7-2 The Effect of Ovarian Arteries on the Use of PABO in Patients with Coexisting Placenta Accreta and Placenta Previa
Hiroyuki Tokue */ Dept. of Radiology, Gunma Univ.*

ROP7-3 Determination of the Optimal Ratio of N-butyl Cyanoacrylate-lipiodol-iopamidol as a New Liquid Embolic Material
Kodai Fukuda */ Dept. of Radiology. Wakayama Medical Univ.*

ROP7-4 Transcatheter Arterial Embolization for Gastrointestinal Bleeding: Comparison of NBCA-using Group and Non-using Group Focusing on Rebleeding and Ischemia
Motoki Nakamura */ Dept.of Radiology,Yokohama City univ.*

ROP7-5 Comparison with a Microballoon Catheter and Thin-tipped Microcatheter on Super-selective Transarterial Catheter Embolization for Small Hepatocellular Carcinoma
Masaki Ishikawa */ Dept. of Diagnostic Radiology, Asa Citizens Hosp.*

ROP7-6 Effectiveness and Clinical Implications of Arterial Embolization for Acute Hemorrhage Associated with Chronic Active Epstein-Barr Virus Infection
Mitsuhiro Kishino */ Dept. of Radiology. TMDU*

14:50-15:30 (304)
Interventional Radiology Vascular Hiroshi Kondo

ROP8-1 Quantification of Respiratory Movement of the Vessels in Patients with Primary Aldosteronism
Tomohiro Kikuchi */ Dept. of Radiology, Jichi Medical Univ. Hospital*

ROP8-2 Modified "Up-and-over" Technique for Endovascular Treatment of Type 1b Endoleak after EVAR
Takeaki Dotsu */ Dept. of Radiology, Oita Univ.*

ROP8-3 Initial Treatment Result of Intracranial Aneurysms using the PIPELINE FLEX with SHIELD Technology
Kaoru Myouchin */ Dept. of Radiology and Interventional Radiology Center, Nara Medical Univ.*

ROP8-4 Patient Characteristics and Imaging Findings Predicting Difficult Cases of Adrenal Venous Sampling
Soma Kumasaka */ Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma Univ.*

13:30-14:20 (311+312)
Nuclear Medicine Miscellaneous 1 Atsutaka Okizaki

ROP9-1 Evaluation of Hyperglycometabolic Area in Malignant Glioma with FDG/Methionine Index Imaging
Kazukuni Kirii / *Divis. of diagnostic radiology, Yamagata Univ.*

ROP9-2 Assessment of Liver Reserve Capacity in Patients after Carbon-ion Radiotherapy for Liver Tumors using ^{99m}Tc-GSA Scintigraphy
Kana Yamazaki / *QST, NIRS*

ROP9-3 Utility of Preoperative FDG-PET Quantitative Parameters for Salivary Gland Cancer: a Retrospective Study
Mika Matsushita / *Dept. of Radiology, Kansai Medical Univ.*

ROP9-4 Relationship between FDG Uptake and the Neutrophil to Lymphocyte Ratio in Patients with Colon Cancer.
Toshiya Ensako / *Dept. of Radiology, Kagawa Univ.*

★**ROP9-5** Validation of Quantitative Parameters Derived from 99mTc-GSA Liver Scintigraphy to Evaluate Liver Function
Arman Nessipkhan / *Dept. of Radioisotope Medicine, Atomic Bomb Disease Institute, Nagasaki Univ.*

14:50-15:50 (311+312)
Uroradiology Kidney Atsushi Nakamoto

★**ROP10-1** Texture Analysis with Machine Learning to Differentiate between Fat-poor AML and Non-clear Cell RCC: Model Development and External Validation
Yuki Arita / *Dept. of Radiology, Keio Univ.*

ROP10-2 Diagnostic Performance of Adrenal Adenoma in Patients with Primary Aldosteronism on Dual-energy CT
Kento Hatakeyama / *Dept. of Radiology. Akita Red Cross Hos.*

ROP10-3 Multiparametric MR Imaging in Diabetic Nephropathy: New Insights to Evaluate Early Diabetic Nephropathy Noninvasively
Akira Yamamoto / *Dept. of Radiology, Kawasaki Medical Sch.*

ROP10-4 Usefulness for Classification of Chronic Kidney Disease Severity by BOLD-MRI using a TLCO Method
Yuki Hara / *Dept. of Radiology, Saitama Medical Univ.*

★**ROP10-5** Radiomics-based Method for Diagnosis of Calciphylaxis in Patients with Chronic Kidney Disease using Computed Tomography
Qian Yu / *Dept. of Radiology, Zhongda Hosp., Southeast Univ.*

★**ROP10-6** Prediction of Stone-free Status after Laser Lithotripsy for Proximal Ureteral Calculi: A Decision Tree Model using Three-dimensional CT Texture Analysis
Rui Wang / *Dept. of Radiology, Second People's Hosp. of Yunnan Province (China)*

16:00-16:50 (311+312)
Artificial Interigence 1 Shigeru Kiryu

ROP11-1 Low-dose Whole-body CT using Deep Learning Image Reconstruction: Image Quality and Lesion Detection
Yoshifumi Noda / *Dept. of Radiology, Gifu Univ.*

ROP11-2 Development of Temporal Subtraction CT Images using Deep Learning to Detect Vertebral Bone Metastases
Sodai Hoshiai / *Dept. of Radiology. Univ. of Tsukuba*

ROP11-3 Texture Analysis of Muscle MRI: Machine Learning-Based Classifications in Idiopathic Inflammatory Myopathies
Keita Nagawa / *Dept. of Radiology, Saitama Med Univ.*

ROP11-4 Anomaly Detection in the Chest of Whole-Body FDG-PET/CT using Bayesian Deep Learning
Takahiro Nakao / *Dept. of CDRPM, The Univ. of Tokyo*

ROP11-5 Effect of the Number of Training Images on the Performance of a CNN Model for CT-Based Lymph Node Segmentation
Munemura Suzuki / *Plusman LLC*

17:00-17:30 (311+312)
Radiation Oncology CNS Yoshiyuki Suzuki

★**ROP12-1** Indications of High-precision Radiotherapy for Intramedullary Spinal Lesions
Yoshimasa Mori / *Ctr for Advanced IGRT, Shin-Yurigaoka General Hsp*

ROP12-2 Treatment Results of Whole Brain Radiotherapy with Simultaneous Integrated Boost
Hiro Okawa / *Dept. of Radiology, Kagawa Prefectural Central Hosp.*

ROP12-3 Trends in the Selection of Initial Brain Radiation Therapy for Brain Metastases from NSCLC According to the Expected Prognosis
Hajime Higaki / *Dept. of Radiation Therapy, IAA NHO Hokkaido Cancer Center*

13:30-14:30 (313+314)
PACS/Miscellaneous Hidefumi Fujisawa

★**ROP13-1** Proposal on the Bidding Integration of Server Hardwares of HIS and PACS, and on the Introduction of Unified Storage
Hiroshi Kondoh / *Div. of Medical Informatics, Tottori Univ. Hosp.*

★**ROP13-2** Age-dependence of Chemotoxic Acute Adverse Effects (AARs) after Ccontrast-enhanced CT and the Effect of Abolishing Instructions to Fast
Yoshito Tsushima / *Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma Univ.*

★**ROP13-3** Assessment of Accuracy, Repeatability, and Reproducibility of T1 and T2 Values Measured by 3D-MR Fingerprinting with Different Dictionary Density
Krishna Pandu Wicaksono / *Dept. of Radiology, Kyoto Univ.*

ROP13-4 An Effective Fail-safe Alert System Handling Significant Unexpected Findings (SUFs) in Radiological Reports
Tomoyuki Noguchi / *Dept. of Radiology, Kyushu Med. Center*

ROP13-5 Analysis of Radiologists' Interpretation Reports Based on Natural Language Processing
Yuta Yanagisawa / *Dept. of Diagnostic Radiology, Tohoku Univ.*

★**ROP13-6** Visceral Obesity and Lipid Profile in Chinese Adults with Normal Body Mass Index
Yutong Lu / *Graduate School of Health Sciences, Hokkaido Univ.*

★：English Presentation

14:50-16:00 (313+314)
Cardiovascular Coronary Artery/Miscellaneous
Masahiro Higashi

ROP14-1 Global 3D Maximum Principal Strain Imaging using Cardiac CT in Patients with Severe AS: Comparison with 2D Feature-Tracking MRI
Kazuki Yoshida / *Dept. of Radiology, Ehime Univ.*

ROP14-2 Can Myocardial Susceptibility Quantification be an Imaging Biomarker for Cardiac Amyloidosis?
Seitaro Oda / *Dept. of Diagnostic Radiology, Kumamoto Univ.*

ROP14-3 Low Enhancement of Left Atrial Appendage on Computed Tomography and Risk of Recurrence after Ablation in Patients with Atrial Fibrillation
Taisuke Nakamura / *Dept. of Radiology, Yokohama City Univ.*

★**ROP14-4** Characteristics of the Left Ventricular Three-dimensional Maximum Principal Strain using Cardiac Computed Tomography in Patients with Severe Heart Failure
Takanori Kouchi / *Dept. of Radiology, Ehime Univ.*

★**ROP14-5** ^{13}N-ammonia PET-derived Myocardial Strain: First Challenge for Patients with Coronary Artery Disease
Yurie Shirai / *Dept. of Diagnostic Imaging, TWMU*

★**ROP14-6** Subtraction Coronary CT Angiography: Diagnostic Confidence, Accuracy and Interobserver Agreement in Segments with Severe or Non-severe Calcification
Lixue Xu / *Dept. of radiology, Capital Medical Univ. affiliated Beijing Friendship Hosp.*

★**ROP14-7** Improved Image Quality of Coronary Artery Stent using Forward Projected Model-based Iterative Reconstruction Solution(FIRST) in Cardiac CT Angiography
Likun Cao / *Dept. of Radiology, Peking Union Medical College Hosp.*

16:20-17:10 (313+314)
AOCR-JRS Conjoint Scientific Session: Chest 1
Masahiro Endo

★**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 Paramaters 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 Submillisievrt 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.*

13:30-14:20 (F205+206)
AOCR-JRS Conjoint Scientific Session: Musculoskeletal
Katsuyuki Nakanishi

★**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** Diagnostic Accuracy of Lipoma and Atypical Lipomatous Tumor using MRI
Carol Sheung Yan Lo / *Dept. of Radiology, United Christian Hosp.*

14:30-15:30 (F205+206)
AOCR-JRS Conjoint Scientific Session: AI, Radiomics
Atsushi Kono

★**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.*

15:40-16:00 (F205+206)
AOCR-JRS Conjoint Scientific Session: Radiation Oncology Fumiaki Isohashi

★**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.*

16:00-16:50 (G301)
AOCR-JRS Conjoint Scientific Session: Neuro, Head, and Neck 1 Hisashi Tanaka

★**ARO5-1** Correlation between Conventional and New Parameters on CEST Imaging by Multi Pool Model and ^{11}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.*

April 16 (Fri)

9:30-10:40 (301)
Radiation Oncology Prostate Cancer Yoshiyuki Shioyama

★**ROP15-1** Long-term Clinical Outcomes after 51.6 Gy (RBE) in 12-fractionated Carbon-ion Radiotherapy for Localized Prostate Cancer
Goro Kasuya */ QST hospital*

★**ROP15-2** Effects of Hydrogel Spacer in Hypofractionated Proton Beam Therapy for Prostate Cancers
Nobuyoshi Fukumitsu, Indra */ Dept. of Rad Oncol., Kobe Proton Center*

★**ROP15-3** PSA Kinetics after Heavy-ion Radiation Therapy with Spot Scanning Method for Prostate Cancer Monotherapy
Osamu Suzuki */ Dept. of Radiology, Osaka HIMAK*

ROP15-4 Robustness Evaluation of Fiducial Marker-based Heavy-ion Radiotherapy for Prostate Cancer
Hiroya Shiomi */ Osaka HIMAK*

ROP15-5 The Impact of Daily Urinary Volume Variations and Prostate Volume on Prostate Position During Radiotherapy
Kentaro Nishioka */ Dept. of Radiation Medical Science and Engineering, Hokkaido Univ.*

ROP15-6 Comparative Studies on Rectal Dose between Patients with and without Hydrogel Spacer in Prostate Cancer Treated by Volumetric-modulated Arc Radiotherapy.
Saori Tatsuno */ Dept. of Radiation Oncology, Ishikiriseiki Hosp.*

ROP15-7 Initial Experience of using Hydrogel Spacer for Prostate Cancer Brachytherapy
Fumitaka Ito */ Dept. of Radiation Oncology Fujita Health Univ.*

10:50-11:40 (301)
Radiation Oncology Abdomen/Gynecology Shingo Kato

★**ROP16-1** Relationship between the Type of CD8 Invasion and Prognosis in Patients with Cervical Cancer Treated with Definitive Radiotherapy
Masanori Someya */ Dept. of Radiology, Sapporo Med Univ.*

★**ROP16-2** Dosimetric Comparison of Proton Beam Therapy and Photon VMAT in Patients with Multiple Small-sized Liver Tumors: a Preliminary Study
Yusuke Uchinami */ Dept. of Radiation Oncology, Hokkaido Univ.*

ROP16-3 WITHDRAWN

ROP16-4 Dose Distribution of Definitive Intensity-modulated Radiation Therapy for Cervical Cancer
Ryosuke Takenaka */ Dept. of Radiology, U Tokyo Hosp.*

ROP16-5 Definitive Radiotherapy for Uterine Cervix Cancer in Elderly: Outcomes and Adverse Effects
Yusaku Miyata */ Dept. of Radiology, Kurume Univ.*

15:50-16:50 (301)
Neruroradiology Vascular/Perfusion Akira Kunimatsu

★**ROP17-1** Diabetes-Associated Cognitive Dysfunction and Its Correlation with 3D-ASL Perfusion and the VEGF Expression in the Hippocampus in T2DM Rat Model
Juwei Shao */ Dept. of Radiology, No. 2 hosp.*

ROP17-2 Hemodynamic Changes after STA-MCA Bypass: the Comparison between 4D Flow MRI and Intraoperative MCA Pressure Measurements
Tetsuro Sekine */ Dept. of Radiology, NMS Musashi-Kosugi Hosp.*

ROP17-3 Effective Quantitative Parameters of Vessel Wall Imaging in Distinguishing Unstable from Stable Intracranial Aneurysms
Naoko Mori */ Dept. of Diagnostic Radiology, Tohoku Univ.*

ROP17-4 The Influence of Bandwidth on the Enhancement along the Normal Superficial Temporal Arteries on Gadolinium-enhanced Vessel Wall Imaging
Tomonobu Tani */ Dept. of Radiology. Fukuoka Univ. Chikushi Hosp.*

★：English Presentation

★**ROP17-5** The Value of Multiple-phase CTA Assessment of Collateral Circulation Status and Prognosis of Acute Ischemic Stroke
Ii shuang shen / *Dept. of Radiology. Jian shui county of yunnan province people's Hosp.*

★**ROP17-6** A Follow-up Study of One Stop CT Perfusion for Quantitative Evaluation of Moyamoya Disease after Surgery Treatment
Dan Wei / *Zhongda Huiya Hosp., Huizhou City, Guangdong Province, China*

17:00-18:10 (301)
Neruroradiology Technique/Miscellaneous Masaaki Hori

★**ROP18-1** Proton MRS Measurement of the Human Hippocampus at 7T
Tomohisa Okada / *HBRC, Kyoto Univ.*

★**ROP18-2** The Frequency of the Incidental T2 Hyperintensities in the Medial Part of the Bilateral Globus Pallidus, Probably an Age-Related Finding
Jun Oyama / *Dept. of Radiology, TMDU*

★**ROP18-3** Frequency Analysis for the CSF Signal of the Double Parallel Tags Time-SLIP Measurement
Toshiaki Taoka / *Dept. of Radiology, Nagoya Univ.*

ROP18-4 Intravenous Enhanced MR Imaging in the Evaluation of CSF Leak in Spontaneous Intracranial Hypotension: Comparison with MR Myelography
iichiro Osawa / *Dept. of Radiology. Saitama Medical Univ. Hosp.*

ROP18-5 Improved Subthalamic Nucleus by Optimization of Synthetic MRI
Sayuri Tatsuo / *Dept. of Radiology, Hirosaki Univ*

ROP18-6 Usefulness of Contrast-enhanced 3D-T1WI and Contrast-enhanced 3D-FLAIR in the Diagnosis of Lower Cranial Neuropathy
Naoki Fukuyama / *Dept. of Radiology, Ehime Prefectural Central Hosp.*

★**ROP18-7** Structural MRI-based Geometric Measures for Transcranial Brain Stimulation
Hanna Lu / *Neuromodulation Lab, The Chinese Univ. of Hong Kong*

9:30-10:10 (302)
Artificial Interigence 2 Masatoshi Hori

★**ROP19-1** Image Super-Resolution for Conventional Cerebral Angiograms using Convolutional Neural Network
Shuichi Tanoue / *Dept of Radiology, Kurume Univ*

★**ROP19-2** Estimation of Time-activity Curve of Arterial Plasma in the 18F-FDG Dynamic PET Study using Deep-learning
Chietsugu Katoh / *Health Sciences, Hokkaido Univ,*

★**ROP19-3** Usefulness of SUVmax of FDG PET-CT for Lesion Localization: a Study of Real-world Data
Kenji Hirata / *Dept. of Diagn. Imaging, Hokkaido Univ.*

ROP19-4 Diagnoses of Unruptured Cerebral Aneurysms with Magnetic Resonance Angiography: Modification of Physicians' Assessment after Reading of Computer-Aided Diagnosis System
Yuki Shimada / *MMGH*

10:50-11:40 (302)
Chest Vascular/Perfusion Tomohisa Okuma

ROP20-1 Correlation between Lung Perfusion Blood Volume and the Anatomical Features of a Thrombus: Evaluation using Dual-energy Computed Tomography
Tetsuhiro Hirata / *Dept. of Radiology, Niigata Univ.*

ROP20-2 Dual-energy CT Findings in Perinatal Dyspnea of Pregnant or Postpartum Women: Comparison with Women Suspected of Having Venous Thromboembolism
Munemasa Okada / *Dep. of Radiology, Yamaguchi Univ.*

★**ROP20-3** Quantitative Perfusion Evaluation of Acute Pulmonary Embolism by Subtraction Iodine Mapping CT in Preoperative Gynecologic Cancer Patients
Tingting Wang / *Cancer Hosp. Fudan Univ. Affiliated*

★**ROP20-4** Evaluation of Lung Perfusion by Dynamic Chest Radiography in Chronic Thromboembolic Pulmonary Hypertension: Comparison with Lung Perfusion Scintigraphy
Yuzo Yamasaki / *Dept. of Clinical Radiology, Kyushu Univ.*

ROP20-5 Usefulness of High-resolution Dynamic Contrast-enhanced MRA with Iterative TWIST Reconstruction for Pulmonary AVF
Hiroyuki Uetani / *Dept. of Radiology, Kumamoto Univ.*

9:30-10:20 (303)
Breast Tumor 1 Takayuki Yamada

★**ROP21-1** Morphology of Ductal Carcinoma *in situ* on Ultrafast Dynamic Contrast-Enhanced MRI: Visibility of Clustered Ring
Maya Honda / *Dept. of Diag. Im. Nuc. Med, Kyoto Univ.*

ROP21-2 Effectiveness of Ultrafast DCE-MRI for the Evaluation of the Presence and Extension of Residual Invasive Breast Cancer after Neoadjuvant Chemotherapy
Erina Kato / *Dept. of Diagnostic Radiology, Tohoku Univ.*

★**ROP21-3** Diagnostic Performance of Quantitative Pharmacokinetic Parameters Based on Ultrafast Dynamic Contrast-Enhanced (DCE) MRI of the Breast
Ken Yamaguchi / *Dept. of Radiology, Saga Univ*

★**ROP21-4** DWI-based Response Evaluation after Neoadjuvant Systemic Treatment of Breast Cancer: Contribution of ADC Value and Subtype in Diagnostic Performance
Rie Ota / *Dept. of Radiology, Kyoto Univ.*

ROP21-5 Quantitative Analysis of Contrast-Enhanced Ultrasound Images using U-net Segmentation in Invasive Breast Cancer: Correlation with Histological Microvessel Density
Kenichi Higuchi / *Depart. of Diagnostic Radiology, Tohoku Univ. Graduate School of Medicine*

10:50-11:40 (303)
Breast Tumor 2 Masako Kataoka

★**ROP22-1** Predictive Value of Preoperative 320 Row Computed Tomography for Axillary Lymph Nodes Metastasis in Patients with Breast Cancer
Lihua Wang / *Cancer Hosp. of China Medical Univ.*

ROP22-2 Dual-Energy CT Evaluation of Axial Lymph Node Metastasis in Patients with Breast Cancer using Quantitative Parameters
Kanako Terada / *Dept. of Radiology, Kanazawa Univ.*

ROP22-3 Texture Analysis of High-Resolution 3D T2-Weighted Images for Diagnosis of Lymph Node Metastasis of Breast Cancer
Hiroaki Shimizu / *Dept. of Diagnostic Radiology, Tohoku Univ.*

ROP22-4 Feasibility of Ultrafast Dynamic Magnetic Resonance Imaging for the Diagnosis of Axillary Lymph Node Metastasis of the Breast Cancer
Yuka Yashima / *Dept. of Radiology, TMDU*

★**ROP22-5** Comparison of Contrast-enhanced Digital Mammography and Breast MRI in the Evaluation of Breast Cancer: Difference between Postmenopausal- and Premenopausal Women
Sachiko Yuen / *Dept. of Breast Surg and Oncol, Shinko Hosp.*

15:50-16:30 (303)
Artificial Interigence 3 Yasuyuki Kobayashi

ROP23-1 Deep-learning-based Image Super Resolution for Super High-resolution Computed Tomography
Mizuho Nishio / *Dept. of Radiology, Kobe Univ.*

ROP23-2 Automated Posterior Fossa Segmentation of MR Images for Three-dimensional Visualization of Neurovascular Anatomy using Deep Learning
Naoki Yoshioka / *Dept. of Radiology, Narita Hp., IUHW*

ROP23-3 Data Contamination and Curation in Training Deep Learning
Tomoyuki Noguchi / *Dept. of Radiology, Kyushu Med. Center*

ROP23-4 Developing Doctor-in-the-Loop Platform for Exploiting Medical Data in Hospital
Mototaka Miyake / *Dept. of Radiology, NCCH*

17:00-17:40 (303)
Hepatobiliary/Pancreras Techniques Tatsuya Gomi

ROP24-1 Usefulness of Variable-rate Selective Excitation in Hepatic Diffusion-weighted Imaging with Multi-band Imaging
Takeshi Nakaura / *Dept. of Diagnostic Radiology, Kumamoto Univ.*

ROP24-2 MR Assessment of Liver Function using APT Imaging: a Preliminary Result
Keisuke Ishimatsu / *Dept. of Radiology, Kyushu Univ.*

ROP24-3 Custom-made Scan Delay for Late Hepatic Arterial or Pancreatic Parenchymal Phase in Dynamic Contrast-Enhanced CT with Bolus-Tracking Method
Yoshifumi Noda / *Dept. of Radiology, Gifu Univ.*

★**ROP24-4** Multitargeting Strategy using Tetrathiomolybdate and Lenvatinib: Maximizing Anti-angiogenesis Activity in a Preclinical Liver Cancer Model
Yuan Wan / *Dept. of Interventional Radiology, the First Affiliated Hosp. of Sun Yat-sen Univ.*

9:30-10:30 (311+312)
Uroradiology Prostate/Miscellaneous Shigeyoshi Soga

★**ROP25-1** Compressed Sensing-Sensitivity Encoding (CS-SENSE) May Improve the Image Quality of 3D T2-weighted Turbo Spin-echo Imaging in Prostate MRI: Preliminary Study
Yoshiko Ueno / *Dept. of Radiology, Kobe Univ.*

ROP25-2 Is Glucagon Needed to Improve the Image Quality of T2-weighted and Diffusion-weighted Imaging in Prostate MRI?
Sakiko Kageyama / *Dept. of Radiology, Tohoku Univ.*

ROP25-3 CT Findings of Nontraumatic Bladder Rupture: a Retrospective Analysis of 10 Cases
Hideki Kunichika / *Dept. of Radiology, Higashiosaka MC*

ROP25-4 Evaluation of Extraprostatic Tumor Extension of Patients who Underwent Robot-Assisted Prostatectomy on MRI
Motoyuki Katayama / *Dept. of Radiology, Seirei Hamamatsu Hosp.*

ROP25-5 Amide Proton Transfer MR Imaging (APT-MRI) using a 3D Acquisition for Detection and Characterization of Prostate Cancer: Comparison to DWI.
Ayumu Kido / *Dept. of Radiology, Div. of Diagnostic Radiology, Kawasaki Med Sch.*

ROP25-6 MRI Findings of Prostatic Utricle Cyst after Neoadjuvant Chemotherapy
Fumiyasu Tsushima / *Dept. of Radiology, Hirosaki Univ.*

10:50-11:30 (311+312)
Gastrointestinal Masanobu Mizuguchi

★**ROP26-1** CT Finding of Gastric Metastasis
Shota Tanaka / *Dept. of Radiology, Shimane Univ.*

ROP26-2 Image Quality Improvement using Iterative Noise Reduction for MR Enterography in Crohn's Disease
Ryosuke Watanabe / *Dept. of Radiology, TMDU*

★**ROP26-3** Machine Learning CT Radiomics can Improve Lymph Node Metastasis Prediction in Gastric Cancer
Jing Li / *Henan Cancer Hosp.*

★**ROP26-4** Optimization of the Tumour Response Threshold in Advanced Gastroenteropancreatic Neuroendocrine Carcinomas Treated with Cisplatin/Etoposide Combined Chemotherapy
Yangdi Wang / *The First Affiliated Hosp. of Sun Yat-Sen Univ.*

15:50-16:40 (311+312)
Radiation Oncology Lung Cancer 1 Takashi Uno

ROP27-1 Prospective Exploratory Study of the Relationship between Radiation Pneumonitis and Transforming Growth Factor-β1 in Exhaled Breath Condensate
Shigeo Takahashi / *Dept. of Radiation Oncology, Kagawa Univ.*

ROP27-2 The Clinical Result of Stereotactic Body Radiotherapy for Non-small Lung Cell Cancer in Patients Aged ≥ 80 Years
Kenta Watanabe / *Dept. of Radiology, Okayama Univ.*

★：English Presentation

ROP27-3 Clinical Results of Palliative Radiotherapy for Malignant Airway Obstruction and Obstructive Pneumonia in Lung Cancer
Shuichi Kondo / *Dept. of Radiation Oncology, Saitama Medical Univ.*

ROP27-4 Sarcopenia is Associated with Poor Prognosis after Concurrent Chemoradiotherapy for Patients with Stage III Non-small Cell Lung Cancer
Kuniaki Katsui / *Dept. of Proton Beam Therapy, Okayama University*

ROP27-5 Hypofractionated VMAT for Stage III Non-small Cell Lung Cancer
Shigetoshi Shimamoto / *Dept. of Radiation Oncology, OGMC*

17:00-18:00 (311+312)
Radiation Oncology Lung Cancer 2
Yasumasa Nishimura

ROP28-1 Initial Experience of Durvalumab after Chemoradiation Therapy in Patients with Locally Advanced Non-small Cell Lung Cancer
Shuhei Takahashi / *Dept. of Radiology, Obihiro Kosei Hosp.*

ROP28-2 A Study of Radiation Pneumonitis in Patients with Locally Advanced Lung Cancer Treated with Radical Chemoradiotherapy Followed by Durvalumab
Motoyasu Shido / *Dept.of RT,National Hosp. Organization,Hokkaido Cancer Center*

ROP28-3 Early Experience in using Durvalumab after Chemoradiotherapy for Non-Small Cell Lung Cancer
Shinichiro Toyoshima / *Dept. of Radiology, Toyama Prefectural Central Hosp.*

ROP28-4 Symptomatic Radiation Pneumonitis in Non-small Cell Lung Cancer Patients Treated with Concurrent Chemoradiotherapy and Consolidation Durvalumab: A Multicenter Retrospective Study
Takashi Shintani / *Dept. of Radiology, Japanese Red Cross Fukui Hosp.*

ROP28-5 Radiation Pneumonitis after Chemoradiotherapy with IMRT Followed by Durvalumab for Locally Advanced Non-small Cell Lung Cancer: a Multi-institutional Retrospective Analysis
Hiroshi Mayahara / *Dept. of Radiation Oncology, Kobe Minimally-invasive Cancer Center*

ROP28-6 Association of Clinical and Imaging Factors with Pathological Complete Response to Preoperative Chemoradiotherapy for Locally Advanced Non-Small Cell Lung Cancer
Hiroki Ego / *Faculty of Med. Kyoto Univ.*

9:30-10:20 (313+314)
AOCR-JRS Conjoint Scientific Session: Neuro, Head, and Neck 2
Hidemasa Takao

★**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.*

10:50-11:40 (313+314)
AOCR-JRS Conjoint Scientific Session: Chest 2
Takeshi Kubo

★**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 Submillisievrt CT
Yun Wang / *Dept. of Radiology, Peking Union Medical College Hosp., Chinese Academy of Medical Sciences*

15:50-16:40 (313+314)
AOCR-JRS Conjoint Scientific Session: Cardiovascular 1
Munemasa Okada

★**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, Bejing Friendship Hosp. Capital Medical Univ.*

17:00-18:00 (313+314)
AOCR-JRS Conjoint Scientific Session: Gastrointestinal
Taro Ichikawa

★**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.*

16:00-16:50 (G301)
AOCR-JRS Conjoint Scientific Session: Genitourinary
Yoshitaka Okada

★**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 Peritoneii: MR Findings
Yumiko O. Tanaka / *Diagnostic Imaging Dept., Cancer Institute Hosp. of Japanese Foundation for Cancer Research, Tokyo, Japan,Dept. of Diagnostic & Interventional Radilogy, 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*

April 17 (Sat)

16:00-16:40 (301)
Autopsy Imaging Seiji Yamamoto

★**ROP29-1** Postmortem CT Findings of COVID-19
Yohsuke Makino / *Dept. of Forensic Medcine, Univ. Tokyo.*

ROP29-2 Evaluation of Aortic Injury on Post-mortem CT after Road Traffic Accidents
Shinjiro Aso / *Diagnostic Radiology, Yokohama city Univ.*

ROP29-3 Lung Density on Post-mortem Computed Tomography using Three-dimensional Data: A Comparison between Fresh-water and Salt-water Drowning
Makoto Sugawara / *Dept. of Radiology. Akita Univ.*

ROP29-4 Objective Fracture Evaluation by Postmortem 3D-CT Fracture Score
Hideki Hyodoh / *Dept. of Forensic Medicine, Hokkaido Univ.*

16:00-16:50 (302)
Radiation Oncology Breast Kayoko Tsujino

★**ROP30-1** Postoperative Chest Wall/Breast Irradiation with or without Supraclavicular Irradiation in Patients with Node-Positive Breast Cancer
Tomohiro Katagiri / *Dept. of Radiation Oncology, Shizuoka City Shizuoka Hosp.*

★**ROP30-2** Curative Tomotherapy to Breast Cancer with Ipsilateral/Contralateral Regional Node Recurrence without Distant Metastases, Results and the New Task Revealed
kazushi kishi / *SAFRA*

ROP30-3 A Role of Boost Radiotherapy Revealed by Long-Term Observation of Breast-Conserving Patients
Naoko Shimizu / *Dept. of Radiation Oncology, Keiyukai Sapporo Hosp.*

ROP30-4 Three Cases of Breast Involvement of Malignant Lymphoma Treated by External Beam Radiotherapy
Aiko Koba / *Dept. of Radiation Oncology, Kansai Rosai Hospital*

ROP30-5 A Study on the Safety and Efficacy of Hypofractionated Radiotherapy for Patients with Postoperative Breast Cancer in East and Southeast Asian Countries
Sawa Kono / *FNCA*

★：English Presentation

13:30-14:40 (303)
Pediatric Eiji Oguma

★**ROP31-1** The Incidences of Intraventricular Hemorrhage in Low-birth-weight Infants: Assessment by MRI
Katsumi Hayakawa / *Dept. of Diagnostic Radiology, Red Cross Kyoto Daiichi Hosp*

★**ROP31-2** The Evaluation of Brain Perfusion Abnormalities in Children with ADHD as Assessed by Multi-delay Arterial Spin Labeling
Oyundari Gonchigsuren / *Dept. of Radiology and Radiation Oncology, Tokushima Univ.*

ROP31-3 Incidence of Cerebellar Injury in Low-Birth-Weight Infants and the Relationship between Cerebellar Injury and Neurodevelopmental Outcome
Masakazu Nishimoto / *Dept. of Radiology, Kyoto Pref. Univ. Med*

ROP31-4 Signal Intensity and Volume of Pituitary and Thyroid Glands in Preterm and Term Infants on MRI
Sayo Otani / *Dept. of Radiology, Kyoto Univ.*

ROP31-5 Assessment of Mediastinal Shift Angle in Congenital Pulmonary Airway Malformation: A New Fetal MRI Indicator of Congenital Lung Disease
Jun Tsukamoto / *Dept. of Radiology, National Center for Child Health and Development.*

ROP31-6 Comparison of Imaging Quality in the Lung MRI between 3D-USV and PETRA Sequences
Yuka Morita / *Dept. of Radiology, Kanagawa Children's Medical Center*

ROP31-7 Utility of Magnetic Resonance Urography in Children Suspected of Having Single-system Ectopic Ureter: Comparison to 99mTc-DMSA Scintigraphy
Mikiko Miyasaka / *Dept. of Radiology, NCCHD*

15:00-15:40 (303)
Interventional Radiology Ablation Toshihiro Iguchi

ROP32-1 Evaluation of the Ablated Zone of Microwave Ablation with High Power and Short Time of Normal Swine Lungs
Toshihiro Iguchi / *Depart. of Radiology, Okayama Univ.*

ROP32-2 Evaluation of Arterial Residuals in the Ablated Renal Parenchyma after Cryoablation of Renal Cell Carcinoma
Soichiro Kajita / *Dept. of Radiology, Okayama Univ.*

ROP32-3 Evaluation of the Incidence of Pneumatocele Related to Lung RFA and the Clinical Course of Patients with Pneumatocele
Koji Tomita / *Dept. of Radiology. Okayama Univ. Hosp.*

ROP32-4 Combination Therapy by Transarterial Injection of Miriplatin-iodized Oil Suspension with RFA Versus MWA for Small Hepatocellular Carcinoma
Noriyuki Miyamoto / *Dept. of Radiology, Obihiro Kosei*

16:00-16:40 (303)
Interventional Radiology Miscellaneous Daisuke Abo

★**ROP33-1** A Comparative Study of 3D Imaging Simulation for Virtual Active Self-training Intervention Regarding PVP Procedure
Fumiya Uchiyama / *Dept. of Radiology, Japanese Red Cross Hospital*

ROP33-2 Accuracy Verification of New Needle Angle Measurement Application using Augmented Reality Technology
Kazufumi Suzuki / *Dept. of Diag Imag and Nuc Med, Tokyo Women's Medical Univ.*

ROP33-3 Efficacy of Dynamic Contrast-enhanced CT Lymphangiography with Water-soluble Iodine Contrast Media in Microminipig: Comparison with Dynamic Contrast-enhanced MR Lymphangiography
Yukichi Tanahashi / *Dept. of Radiology, Hamamatsu University School of Medicine*

ROP33-4 CT-guided Biopsy for Anterior Mediastinal Tumors
Noriaki Yuasa / *Dept. of Radiology, Steel Memorial Muroran Hospital*

16:20-16:40 (304)
AOCR-JRS Conjoint Scientific Session: Breast Hiroko Satake

★**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 [89Zr]Zr-DFO-trastuzumab for Her2 PET in Breast Cancer Xenograft-bearing Mice
Nannan Zhao / *Cancer Hosp. of China Medical Univ., Liaoning Cancer Hosp. & institute*

9:30-10:20 (311+312)
Radiation Oncology Head and Neck Takeshi Kodaira

★**ROP34-1** Patterns of Failure and Late Toxicities in Hypopharyngeal Cancer with Intensity-modulated Radiotherapy (IMRT): a Retrospective Analysis
Manami Otsuka / *Dept. of Radiation oncology, Hokkaido Univ.*

ROP34-2 Preliminary Results of Proton Beam Therapy (PBT) for Rare Head and Neck Tumors
Koichi Yasuda / *Dept. of Radiation Oncology, Hokkaido Univ. Hosp.*

ROP34-3 Efficacy and Toxicities of Intensity-modulated Radiotherapy for Head and Neck Squamous Cell Carcinoma of Unknown Primary
Shuang Zhang / *Dept. of Radiology Oncology, Kyoto Univ. Hosp.*

ROP34-4 Treatment Outcome of Intensity-Modulated Radiation Therapy for Olfactory Neuroblastoma
Takashi Mori / *Dept. of Radiation Oncology, Hokkaido Univ. Hosp.*

ROP34-5 Prognostic Significance of Pretreatment Neutrophil-to-lymphocyte Ratio in Patients with Squamous Cell Carcinoma of the External Auditory Canal and Middle Ear
Kenji Makita / *Dept. of Radiology, Ehime Univ.*

10:50-11:50 (311+312)
Radiation Oncology Gastrointestinal Katsuyuki Karasawa

ROP35-1 The Efficacy of Palliative Radiotherapy for Bleeding from Advanced Gastric Cancer
Masashi Taka / *Dep. of radiation oncology, Kouseiren Takaoka Hosp.*

ROP35-2 Neoadjuvant Short-course Hyperfractionated Accelerated Radiotherapy for Rectal Cancer: Initial Results of a Single Institutional Experience.
Hiroyuki Yokoyama */ Dept. of Radiation Oncology, Meiwa Cancer Clinic*

ROP35-3 Recurrence Patterns after Chemoradiotherapy for Stage I Thoracic Esophageal Cancer and Long-term Observation Results of the Recurrence Treatment
Tomohiko Miyazaki */ Dept. of Radiation Oncology, keiyukai Sapporo Hosp.*

ROP35-4 The Initial Treatment Results of IMRT for Thoracic Esophageal Cancer
Kento Hisazumi */ Dept. of Radiology, Kagawa Prefectural Central Hosp.*

ROP35-5 WITHDRAWN

ROP35-6 Preoperative CRT Followed by Planned Surgery in Borderline Resectable Esophageal Cancer: Relationships among Pathological CRT Effect, Surgical Cure, and Survival
Miyako Myojin */ Dept. of Radiation Oncology, Keiyukai Hosp.*

13:30-14:30 (311+312)
Breast PET/MRI/Miscellaneous Kazunori Kubota

ROP36-1 Direct Comparison between Silicon Photomultiplier-based and Conventional PET/CT in Patients of Breast Cancer
Naoto Kawaguchi */ Dept. of Radiology, Ehime Univ.*

ROP36-2 Prediction of Survival by Morphological and Quantitative dbPET Parameters in Patients with Breast Cancer
Shunsuke Yuge */ Dept. of Diagnostic Imaging, Kyoto Univ.*

★**ROP36-3** Initial Experience with Digital PET/CT for Patients with Breast Cancer
Mio Mori */ Dept. of Radiology, TMDU*

ROP36-4 Examination of the Usefulness of Deep Ensemble Learning for Image Classification of PET/CT in Breast Cancer
Kanae Takahashi */ Dept. of Radiology, TMDU.*

ROP36-5 Breast MR Elastography with External Vibration to the Back: Initial Experiences
Emi Yamaga */ Dept. of Radiology, TMDU*

ROP36-6 Experience of using Synthetic MRI in the Breast: Image Quality Evaluation and Case Presentation
Tomoyuki Fujioka */ Dept. of Diagnostic Radiology, TMDU*

15:00-15:40 (311+312)
Obsterics/Gynecology Fumi Kato

★**ROP37-1** Effective Texture Features for Predicting Placenta Accreta Spectrum using T2-weighted Images
Hainan Ren */ Dept. of Diagnostic Radiology, Tohoku Univ.*

★**ROP37-2** WITHDRAWN

ROP37-3 Evaluation of Preoperative Imaging and Clinical Staging for Uterine Serous Carcinoma
Ayumi Shirahase */ Dept. of Radiology, Shiga Univ. of Med. Sci.*

ROP37-4 CT and MR Imaging Characteristics of Ovarian Mature Cystic Teratoma with Anti-N-methyl D-aspartate Receptor Encephalitis
Masaya Kawaguchi */ Dept. of Radiology, Gifu Univ.*

16:00-16:50 (311+312)
Chest Airway/Miscellaneous Akinaga Sonoda

★**ROP38-1** Maximum Inspiration Differential Projection of Respiratory Frequency-Tunable Imaging using Cine X-Ray Imaging between Healthy Volunteers and Patients with Mild COPD
Takehiko Abe */ Mediott Inc. /Radwisp*

ROP38-2 Correlation between Lung Volumes on Upright CT and Measurements on Pulmonary Function Test in Patients with COPD: Comparison with Supine CT
Yoshitake Yamada */ Dept. of Radiology, Keio Univ.*

★**ROP38-3** Data Reconstruction at Lower Photon Energy with Standard Kernel Enhance Peripheral Bronchial Recognition on Computed Tomography: Assessment by Dual-energy Scanner
Yukihiro Nagatani */ Dept. of Radiology, SUMS*

ROP38-4 Bronchiectasis in Rheumatoid Arthritis: Quantitative Evaluation using Ultrahigh-resolution CT and Correlations with Clinical/Radiological Findings
Tsubasa Koguchi */ Dept. of Radiology, Kanagawa Cardiovascular & Respiratory Ctr.*

ROP38-5 Feasibility of Regional Volume Change Measurement with Spherical Dynamic Mask on Dynamic-ventilation Computed Tomography for Connective Tissue Disease Interstitial Lung Disease
Ryo Uemura */ Dept. of Radiology, SUMS.*

9:30-10:10 (313+314)
AOCR-JRS Conjoint Scientific Session: Interventional Radiology Keigo Osuga

★**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 provicial 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.*

10:50-11:40 (313+314)
Hepatobiliary/Pancreras Pancreras/Biliary System Katsuhiro Sano

★**ROP39-1** CT Findings of Lenvatinib-induced Pancreatobiliary Complications
Moto Nakaya */ Dept. of Radiology, Tokyo Univ.*

★：English Presentation

ROP39-2 Classification and Detection of Malignant Features of IPMNs: Interobserver Agreement of CT Diagnosis
Eisuke Mukaida / *Dept. of Radiology, Iwate Medical Univ.*

ROP39-3 Detection of Small PDAC with Dual-layer Spectral Detector CT: Value of Adding Virtual Monoenergetic Imaging to Conventional Polyenergetic Imaging
Yosuke Fujisaki / *Dept. of Radiology, Kagoshima Univ.*

ROP39-4 MR Imaging Findings to Exclude Occult Malignancy in the Localized Intrahepatic Biliary Duct Dilatation with Non-mass-forming on Dynamic CT
Kenichiro Okumura / *Dept. of Radiology, Kanazawa Univ.*

ROP39-5 Investigation of Risk Factors for Pancreatic Exocrine Insufficiency using 3T Multiparametric MR Imaging
Hidemitsu Sotozono / *Dept. of Radiology, Kawasaki Medical Sch.*

13:30-14:20 (313+314)
Musculoskeletal Tsutomu Inaoka

ROP40-1 Quantitative MRI UTE-T2* Mapping of Graft after Anterior Cruciate Ligament Reconstruction
Miho Okuda / *Dept. of Radiology, Kanazawa Univ. Hosp.*

ROP40-2 Qualitative and Quantitative Study of Diagnostic Performance of Dual-Energy CT for Bone Metastases
Yoshinobu Ishiwata / *Dept. of Radiology, Yokohama City Univ.*

ROP40-3 Electron Density of Lumbar Intervertebral Disc Degeneration: a Preliminary Study
Masanori Nakajo / *Dept. of Radiology, Kagoshima Univ.*

★**ROP40-4** Gouty Nodule: Diagnostic Value of Energy Spectrum CT
Hai yan QIN / *Dept. of Medical Imaging,Fourth Affiliated Hosp. of Harbin Medical Univ.*

★**ROP40-5** Tibial Osteofibrous Dysplasia: Are You Certain It is Non-aggressive? Are You Certain about the Diagnosis?
King Him Fung / *Dept. of Radiology and Imaging, Queen Elizabeth Hosp.*

15:00-15:40 (313+314)
Head and Neck Tumor Yasutaka Fushimi

ROP41-1 Imaging Findings of Extracapsular Invasion of Carcinoma Ex Pleomorphic Adenoma
Akira Akutsu / *Dept. of Radiology, Chiba Univ.*

ROP41-2 Different Imaging Findings between Histological Subtypes of Thyroid Lymphoma
Tomohiro Ando / *Dept. of Radiology, Gifu Univ.*

ROP41-3 Examination of Imaging Parameters for Diagnosis of HPV in Oropharyngeal Cancer.
Yuta Kawamura / *Dept. of Radiology, Yamagata Univ.*

ROP41-4 Differential Diagnosis of Benign Parotid Gland Tumors: Comparison of Results between Chemical Exchange Saturation Transfer MR Imaging and Apparent Diffusion Coefficient Map
Tomo Miyata / *Dept. of Radiology, Osaka Univ.*

16:00-16:50 (F205+206)
Nuclear Medicine Genitourinary Kazuhiro Kitajima

★**ROP42-1** Risk Stratification using Volumetric and Texture Analyses of Preoperative ^{18}F-FDG-PET/CT in Patients with Endometrial Cancer
Masatoyo Nakajo / *Dept. of Radiology, Kagoshima Univ.*

★**ROP42-2** F18-PSMA-1007 PET: Improvement in Lesion Detectability with Digital SiPM-PET Scanner
Tadashi Watabe / *Dept of Nuclear Medicine, Osaka University*

★**ROP42-3** Detection Efficacy of PET/CT with ^{18}F-FSU880 in Patients with Biochemical Recurrence of Prostate Cancer
Tomoaki Otani / *Dept. of Radiology, Kyoto Univ*

★**ROP42-4** Prognostic Values of Regional Bone Scan Indices Measured by VSBONE for Patients with Prostate Cancer
Eitaro Kidera / *Dept. of Diagnostic Imaging and Nuclear Medicine, Kyoto Univ.*

ROP42-5 Comparable Diagnostic Accuracy with Whole-body MRI and I-123/I-131 mIBG Images in Patients with Metastatic Pheochromocytoma and Paraganglioma
Hiroshi Mori / *Dept. of Nuclear Medicine, Kanazawa Univ.*

16:00-16:50 (G301)
AOCR-JRS Conjoint Scientific Session: Cardiovascular 2 Shingo Kato

★**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.*

April 18 (Sun)

9:30-10:30 (311+312)
Cardiovascular Vascular Shigeo Okuda

★**ROP43-1** 320-row CT Single Volume Acquisition with ECG-gating:A 4D-multi-phase CFA Assessment for Standford Type A Aortic Dissection
Miao Wei / *Dept. of Radiology. The First Affiliated Hosp. of Chongqing Medical Univ.*

ROP43-2 Prediction of Vasodilation after Type a Aortic Dissection Artificial Blood Vessel Replacement using TKE of 4D Flow MRI
Sayaka Shirai / *Dept. of Radiology, Nippon Medical School*

★**ROP43-3** Development of a Deep Learning-based Screening System for an Aortic Dissection in Contrast-enhanced Computed Tomography Images
Tomoki Wada / *Dept. of Radiology, Bokutoh Hosp.*

ROP43-4 New Bolus-Tracking Technique in Single-source Dual-Energy CT Angiography: Optimization of Triggers for Each Kev Monochromatic Image and Iodine Reduction
Takayuki Mori / *Dept. of Radiology, Gifu Univ.*

ROP43-5 Low-Tube-Voltage Whole-Body CT Angiography with Extremely Low-Iodine Dose: Comparison between Deep Learning-Based and Adaptive Statistical Iterative Reconstructions
Nobuyuki Kawai / *Dept. of Radiology, Gifu Univ.*

★**ROP43-6** Persistent Left Superior Vena Cava with Absent Right Superior Vena Cava in Adults: CT Findings and Arrhythmia
Tamaki Ichikawa / *Dept. of Radiology, Tokai Univ.*

10:50-11:30 (311+312)
Nuclear Medicine Miscellaneous 2 Tohru Shiga

ROP44-1 Impact of Respiratory Mobility on PET Quantification: a Study using Respiratory-gated PET/CT
Yumiko Kono / *Dept. of Radiology, Kansai Medical Univ.*

ROP44-2 The Comparison between Lugano and RECIL Criteria in Predicting the Relapse of FDG-avid Lymphoma
Keisuke Sato / *Dept. of Radiol. Fukuoka Univ.*

ROP44-3 The Usefulness of Volume-based FDG-PET Parameters in Prognostic Stratification of DLBCL with a Complete Metabolic Response to Initial Treatment.
Shinji Tsuda / *Dept. Radiology, Fukuoka Univ.*

ROP44-4 Evaluation of Serotonin Transporter in I-123-FP-CIT SPECT Imaging in Patients with Parkinsonian Syndrome
Kazuya Takahashi / *Dept. of Radiology, Fujita Health Univ.*

9:30-10:20 (313+314)
Radiation Oncology Pediatric/Miscellaneous
Hideyuki Sakurai

★**ROP45-1** Effects of Tumor Cell P53 Status, ^{10}B Delivery Agent Type and Concentration on the Biological Effectiveness of Neutron Capture Therapy
Shin-ichiro Masunaga / *Particle Radiat. Biol., Div. Radiat. Life Sci., Inst. Integr. Radiat. Nucl. Sci., Kyoto Univ.*

★**ROP45-2** Imaging and Treatment of Primary and Metastatic Tumors by Immunotherapy and Management of Abscopal-Effects by Reducing Circulating-Tumor-Cells-cluster-formation Through Radiation-Targeted Particles.
Satoshi Harada / *Dept. Radiology. Iwate-Med. Univ.*

ROP45-3 Factors Affecting Local Control of Bone Metastases after Radiotherapy in Long-term Survivors
Kenji Makita / *Dept. of Radiology, Ehime Univ.*

ROP45-4 A System for Data Integration and Analysis of Dose-volume Histograms by Linking to Clinical Data Sets
Norihiro Aibe / *Dept. of Radiology, Kyoto Prefectural University of Medicine*

ROP45-5 Proton Beam Therapy for Pediatric Cancer under General Anesthesia
Takayuki Hashimoto / *Dept. of Radiation Oncology, Hokkaido Univ.*

10:50-11:30 (313+314)
Radiation Oncology Whole Body/Multi Parts
Masatoshi Hasegawa

★**ROP46-1** Clinical Outcomes of Palliative Radiotherapy for Advanced-Stage or Recurrent Diffuse Large B-Cell Lymphoma
Tomohiro Katagiri / *Dept. of Radiation Oncology, Shizuoka City Shizuoka Hosp.*

ROP46-2 Oncological Outcome and Recurrence Pattern Analysis after Definitive Radiotherapy for Patients with MALT Lymphoma
Atsuto Katano / *Dept. of Radiology, Tokyo Univ.*

ROP46-3 Comparison of Information Needs and Sources between Patients with Prostate and Cervical Cancer at Their Decision-making of Radical Treatments
Masanari Minamitani / *Dept. of Radiology, the Univ. of Tokyo*

ROP46-4 Initial Experience of Carbon-ion Therapy in Osaka Heavy-Ion Therapy Center
Masashi Chatani / *Osaka HIMAK*