

Oral Presentation Programs

April 13 (Thu.)

13:30-14:10 (311+312)

Digestive System and Others Daisuke Tsurumaru
Masanori Imuta

ROP1-1 Risk Stratification of Esophageal Variceal Bleeding using 4D Flow MRI
Atsushi Higaki / Dept. of Radiology, Kawasaki Med Sch.

ROP1-2 Blood Flow Evaluation in Budd-Chiari Syndrome using 4D Flow-MRI
Nanae Tsuchiya / Dept. of Radiology, Ryukyuu Univ.

ROP1-3 Impact of Ultra-high-resolution CT in Preoperative Evaluation of Posterior Gastric Artery: Comparison with Conventional CT
Koki Kaketaka / Dept. of Radiology, Osaka Univ.

ROP1-4 Image Quality of Esophageal Cancer on Dual-energy Spectral CT with Deep Learning-based Image Reconstruction (DLIR).
Noriko Kikuchi / Dept. of Future Diag. Radiology, Osaka Univ.

14:50-15:30 (311+312)

Physics and Others1 (Autopsy Imaging/Radiation Dose) Maiko Yoshida
Wataru Fukumoto

★**ROP2-1** Relation between Intravascular and Intra-organ Gas Density on Postmortem CT and Putrefaction
Maiko Yoshida / Dept. of Legal Medicine, Chiba Univ.

ROP2-2 Chest Findings in Infants using Postmortem CT
Hideki Hyodoh / Dept. Forensic Medicine, Fukui Univ.

ROP2-3 Impact of Introduction of Deep Learning-based Reconstruction on the Radiation Dose in Various Clinical CT Examinations
Naoki Kobayashi / Dept. of Diagnostic Radiology, Kumamoto Univ.

ROP2-4 Treatment and Imaging of Primary and Metastatic Tumor, Through Targeted Immunotherapy, Abscopal Effect, and Impaired Metastasis Colonization, using Radiation-Directed Particles.
Satoshi Harada / Dept. of Radiology, Iwate Med. Univ.

15:50-16:40 (311+312)

Interventional Radiology1 (Embolization) Marie Osawa
Shinsaku Yata

ROP3-1 Transcatheter Arterial Embolization for Cirroid Renal Arteriovenous Malformations: Usefulness of the Triaxial System and N-butyl-2-cyanoacrylate
Masashi Shimohira / Dept. of Radiology, Nagoya City Univ.

ROP3-2 Clinical Experience of Wedged Injection of NBCA using a Microballoon Catheter (B-Glue)
Maki Hirao / Dept. of Radiology, Nagasaki Univ.

ROP3-3 A Study of Retroperitoneal Hemorrhage Triggered by COVID-19
Yasuyuki Ono / Dept. of Radiology, Kansai Medical Univ.

ROP3-4 A Retrospective Study of Uterine Artery Embolization for Symptomatic Uterine Fibroids
Yuki Tanaka / Dept. of Radiology, Kansai Medical Univ.

ROP3-5 Safety and Efficacy of Transcatheter Arterial Embolization for Small Intestinal Bleeding
Shuto Miyamura / Dept. of Radiology, Nagasaki Medical Center

17:00-18:00 (311+312)

Interventional Radiology2 (Nonvascular) Yoshiki Asayama
Rika Yoshimatsu

ROP4-1 Prospective Evaluation of the Number of Cores of Biopsy for Renal Tumor: Are Multiple Cores Preferable?
Toshihiro Iguchi / Dept. of Radiological Technology, Okayama Univ.

ROP4-2 Percutaneous Cryoablation for Metastatic Renal Tumors: A Retrospective Evaluation of Safety and Efficacy
Takahiro Kawabata / Dept. of Radiology, Okayama Univ.

ROP4-3 Percutaneous Cryoablation for Malignant Renal Tumors Contacting with High-risk Adjacent Organs
Shoma Nagata / Dept. of Radiology, Okayama Univ. Hosp.

★**ROP4-4** Robot-assisted CT-guided Biopsy: A Preliminary Phantom Study
Tatsuya Kawai / Dept. of Radiology, Nagoya City Univ.

ROP4-5 Feasibility of 3D CT-guided Puncture using Area Detector CT
Takeshi Matsumoto / Dept. of Radiology, Nara Univ.

★**ROP4-6** Role of USG Guided Drainage in Amebic Liver Abscess
Rohan Chaube / Dept. of Radiology, MMIMSR, MM Univ. Mullana Ambala Haryana India

13:30-14:20 (313+314)

Pediatrics Chihiro Tani
Kumiko Nozawa

ROP5-1 Evaluation of Image Quality of Portable Chest X-Rays in Children: A Comparison with and without Noise Reduction and Edge Enhancement Filters
Atsuko Fujikawa / Dept. of Radiology, St. Marianna Univ.

ROP5-2 Investigation of the Prognostic Ability of the Detailed MRI Scoring System for Hypoxic Ischemic Encephalopathy
Masakazu Nishimoto / Dept. of Radiology, Kyoto Pref. Univ. Med.

ROP5-3 A Study of Regional Cerebral Blood Flow in Children by Arterial Spin Labeling Images
Saho Irahara / Dept. of Radiology, Tokushima Univ. Hosp.

ROP5-4 Novel Screening Method of High palate Due to Congenital Myopathy using Neonatal Brain Magnetic Resonance Imaging
Misaki Shoji / Dept. of Radiology, Nihon Univ.

★ : English Presentation

ROP5-5 Prenatal MRI Diagnosis of Fetal Esophageal Atresia: Proposed Addition of a Quantitative Index
Yukiko Michishita / Dept. of Radiology, NCCHD

14:40-15:20 (313+314)

Radiation Oncology1 (Digestive System/ Others)
Yuichiro Tsurugai
Naoko Sanuki

★**ROP6-1** Immunotherapy Immediately after High-precision Radiotherapy (IIART) for Unresectable Advanced Pancreatic Ductal Adenocarcinoma (uaPDAC) - a Cohort Study on 45 Patients-
Kazushi Kishi / SAFRA, Hokkaido Ohno Mem Hp

ROP6-2 Long-term Results of CT Image-guided Proton Beam Therapy for Hepatocellular Carcinoma
Shigeyuki Takamatsu / Dept. Radiation Therapy, Kanazawa Univ.

ROP6-3 Four Cases of Postoperative Lymph Node Recurrence of Esophageal Cancer with Long-term Survival Achieved by Chemoradiotherapy
Yukio Akagi / Hiroshima Heiwa Clinic, High Precision Radiotherapy Center

ROP6-4 Changes in Overall Treatment Time of Radiotherapy Over the Past 20 Years at Our Hospital
Yasushi Hamamoto / Dept. of Radiation Oncology, Shikoku Cancer Center

15:30-16:40 (313+314)

Nuclear Medicine1 (Neuroradiology/Head and Neck/ Others)
Masatoyo Nakajo
Hitomi Iwasa

ROP7-1 Analysis of Various rCBF SPECT and MRI Parameters in Parkinson Disease at Several Different Clinical Stages
Mai Takahashi / Dept. of Radiology, Fukuoka Univ.

ROP7-2 The Usefulness of Combined Analysis using CIScore and VSRAD Parameters for Differentiating between Dementia with Lewy Body and Alzheimer Disease.
Gaku Honda / Dept. of Radiology, Fukuoka Univ

ROP7-3 Relationship between Recurrence-free Survival and Changes in Pre- and Post-radioiodine Therapy Serum Thyroglobulin Levels in Patients with Thyroid Cancer
Ken Watanabe / Dept. of Radiology, Jikei Univ.

ROP7-4 The Effect of Glucose Intolerance on the Physiological Accumulation of Salivary Glands and Palatine Tonsils on FDG-PET
Koya Nakatani / Dept. of Diagnostic Radiology, Kurashiki Central Hosp.

ROP7-5 FDG PET in Patients with Peripheral Spondyloarthritis: Correlation with Serum Biomarkers
Yuri Manabe / Dept. of Radiology, Kagawa Univ.

ROP7-6 Comparative Study of FDG Physiological Accumulation in Small Structures with SiPM PET and Conventional PET
Shiro Watanabe / Dept. of Nuclear Medicine, Hokkaido Univ. Hosp.

★**ROP7-7** Per-deglutition Scan of Hypopharynx.
Shrikant V Solav / SPECTLAB Nuclear Medicine Services

17:00-17:40 (313+314)

Neuroradiology1 (Degenerative/Demyelinating Disorder)
Kyo Noguchi
Takashi Katsube

ROP8-1 Assessment of Atrophic Changes of the Brain in Multiple Sclerosis by AI-based MR Imaging Morphometry (The 2nd Report)
Kazuhiro Tsuchiya / Dept. of Radiology, JR Tokyo Gen. Hosp.

ROP8-2 Choroid Plexus Enlargement in Mild Cognitive Impairment (MCI) on MRI: A Large Cohort Study
Yoshihito Umemura / Dept. of Radiology, Hirosaki Univ.

ROP8-3 Comprehensive Evaluation of Brain Volumetry and 4D Flow MRI Cerebral Blood Flow Quantification for Dementia Patients
Seigoh Happoh / Dept. of Radiology, Nippon Med Sch.

ROP8-4 Usefulness of Dynamic Contrast-enhanced MRI Ktrans in Differentiating Neuropsychiatric Systemic Lupus Erythematosus from Non-neuropsychiatric: A Preliminary Study
Satoru Ide / Dept. of Radiology, Univ. of Occupational and Environmental Health

April 14 (Fri.)

8:20-9:20 (311+312)

Hepatobiliary Pancreas1 (Liver)
Norihide Yoneda
Megumi Matsuda

ROP9-1 Deep Learning-based Spectral CT Imaging to Identify Arterial Hypervascularity of Hepatocellular Carcinoma in Obese Patients
Keigo Narita / Diagnostic Radiology, Hiroshima Univ.

ROP9-2 Utility of Triple Arterial Phase Images using Parallel Imaging and Compressed Sensing Reconstruction for Gadoteric Acid-enhanced Liver MR Imaging
Wataru Toshimori / Dept. of Radiology, Ehime Univ.

ROP9-3 Value of Gadoteric Acid-enhanced MR Imaging for Preoperative Prediction of Future Liver Regeneration after Hemihepatectomy
Nobuhiro Fujita / Dept. of Clinical Radiology, Kyushu Univ.

ROP9-4 Changes in Etiology and Imaging Findings in Primary Liver Cancer in Our Institute
Junya Tsuzaki / Dept. of Radiology, Keio Univ.

ROP9-5 5mm-Slice Diffusion-weighted Imaging of the Whole Liver with Deep Learning Technology: Historical Comparison with Conventional Reconstruction Technique
Keisuke Sato / Fukuoka Univ, Dept. of Radiology.

★**ROP9-6** Diffusion Weighted Imaging and Intravoxel Incoherent Motion Magnetic Resonance Imaging Are Potential Lenvatinib Treatment Response Biomarkers for Advanced Hepatocellular Carcinoma
Yu Zhang / Dept. of Radiology, Kanazawa Univ. Graduate School of Medical Science

9:30-10:40 (311+312)

Nuclear Medicine2 (Chest, Cardiovascular, and Digestive System)
Mana Ishibashi
Kentaro Takanami

ROP10-1 Physiological Myocardial 18F-FDG Uptake Analysis and Comparison with Findings in Cardiac Sarcoidosis
Takashi Norikane / Dept. of Radiology, Kagawa Univ.

ROP10-2 Relationship between Age of Onset and Amount of Myocardial Amyloid Deposition in Wild-type Transthyretin Cardiomyopathy using ^{99m}Tc-pyrophosphate Scintigraphy
Shinya Shiraishi / Dept. of Diagnostic Radiology, Kumamoto Univ.

ROP10-3 Predicting the Pathological Invasiveness of Early Lung Adenocarcinoma using the Deauville Criteria: Reliability and Validity
Miki Nishimori / Dept. of Diagnostic and Interventional Radiology, Kochi Univ.

ROP10-4 FDG-PET/CT Texture Analysis in Predicting Treatment Response to Preoperative Chemotherapy for Esophageal Cancer
Yumiko Kono / Dept. of Radiology, Kansai Medical Univ.

ROP10-5 Usefulness of FDG-PET using Deep Learning Image Reconstruction Method in the Diagnosis of Liver Metastasis
Jumpei Suyama / Dept. of Radiology, Kyorin Univ.

★ **ROP10-6** Value of Volumetric Analysis of ¹⁸F-FDG-PET/CT for Predicting the Prognosis in Patients with Gallbladder Cancer
Masatoyo Nakajo / Dept. of Radiology, Kagoshima Univ.

★ **ROP10-7** 18F-FDG PET/CT Radiomics Based-machine Learning Facilitates the Prediction of Mediastinal Lymph Node Metastasis in Non-small Cell Lung Cancer
Long Chen / Dept. of PET/CT Center, Yunnan Cancer Hosp., The Third Affiliated Hosp. of Kunming Medical Univ.

10:50-11:10 (311+312)

Head and Neck
Naoko Saito
Naruhide Kimura

ROP11-1 Evaluation with CT Based Texture Analysis for Predicting Extra Nodal Extension in Patients with Oropharyngeal Cancer with P16-positive
Yuki Natsuyama / Dept. of Diagnostic Radiology, SMUIMC

ROP11-2 Evaluation of the Low Middle Cranial Fossa on CT: A Comparison in Patients with and without Cholesteatoma
Takatsune Kawaguchi / Dept. of Radiology, Nagoya City Univ.

16:45-17:15 (311+312)

Cardiovascular1 (Coronary CTA)
Masafumi Kidoh
Fuminari Tatsugami

ROP12-1 Dual-Energy CT Angiography: Comparison between Two Rapid kV-Switching Dual-Energy CT Scanners
Tetsuro Kaga / Dept. of Radiology, Gifu Univ.

ROP12-2 Feasibility of Multistatic Scanning with Four-dimensional Similarity Filter in Low-dose Myocardial Computed Tomography Perfusion Imaging
Yuta Yamamoto / Dept. of Radiology, Ehime Univ.

★ **ROP12-3** Relationship between Coronary Flow Vorticity and Functional Plaque Progression in Patients with Diabetes Mellitus
Nobuo Tomizawa / Dept. of Radiology, Juntendo Univ.

8:20-9:00 (313+314)

Radiation Oncology2 (Chest/ Breast)
Shigeo Takahashi
Mariko Kawamura

ROP13-1 Comparison of Recurrence Pattern after Stereotactic Body Radiation Therapy for Early-stage Lung Cancer of Adenocarcinoma and Squamous Cell Carcinoma
Nozomi Kita / Dept. of Radiology, Nagoya City Univ.

ROP13-2 Prediction of Treatment Response in NSCLC using Peripheral Blood Lymphocyte TCR Repertoire Analysis.
Masanori Someya / Dept. of Radiology, Sapporo Med Univ.

ROP13-3 Effects of Curative Chemoradiotherapy using Accelerated Hyperfractionated Irradiation for Limited Stage Small Cell Lung Cancer
Masashi Taka / Dept. of Radiotherapy, Toyama Prefectural Central Hosp.

★ **ROP13-4** Efficacy and Feasibility of High-dose Hyperfractionated Radiotherapy for Small-cell Lung Cancer
Yasuhito Hagiwara / Dept. of Radiology, Div. of Radiation Oncology, Yamagata Univ.

9:20-10:10 (313+314)

Chest1 (Neoplasm1)
Hiroyuki Ishikawa
Makiko Murota

ROP14-1 Estimation of Tumor Extracellular Volume Fraction with CT for Predicting the Overall Survival in Patients with Unresectable Non-small Cell Lung Cancer
Hiroaki Nagano / Dept. of Radiology, Kagoshima Univ.

ROP14-2 Systemic Chemotherapy with Anti-PD-L1 Antibody Therapy for Patients with Unresectable Non-Small Cell Lung Cancer : Evaluation with CT Based Texture Analysis
Jun Suzuki / Dept. of Radiology, Saitama Medical Univ. International Hosp.

ROP14-3 Analysis of Surgically Resected Primary Lung Cancer with Dual Energy Spectral Computed Tomography
Masashi Imajo / Dept. of Radiology, Kagawa Univ.

ROP14-4 Usefulness of Extracellular Volume Fraction (ECV) Quantified by Dual-Energy CT for Predicting Thymic Carcinoma.
Shuhei Doi / Dept. of Radiology, Osaka Univ.

★ **ROP14-5** Comparison of CT Perfusion Quantitative Measurements in Non-small Lung Cancer using Different Mathematical Models
Yanyan Xu / Dept. of Radiology, China-Japan Friendship Hosp.

10:30-11:30 (313+314)

Neuroradiology2 (Ohters)
Yuki Shinohara
Fumiyo Higaki

ROP15-1 The Significance of Time-course Change of Perivascular Space among Community-dwelling Elderly
Yasuhiro Sugai / Dept. of Radiology, Yamagata Univ.

★ : English Presentation

ROP15-2 Enlarged Perivascular Spaces in the Cerebral White Matter are Associated with Years Since the First Injury in Retired Professional Boxers
Mari Miyata / *QST*

★ **ROP15-3** Strategy of MR-guided Focused Ultrasound Thalamotomy Based on Localization of Tremor and Somatotopy in the Ventral Intermediate Nucleus
Toshio Yamaguchi / *IAFUS*

ROP15-4 Contrast Enhancement of the Olfactory Recess using Heavily T2-weighted 3D FLAIR
Koichiro Matsuura / *Dept. of Radiology, Saitama Univ*

★ **ROP15-5** Assessment of Characteristics of Imaging Biomarkers for Quantifying Anterior Cingulate Cortex Changes: A Twin Study of Normal Brain
Hiroto Takahashi / *Dept of Radiology, Osaka Univ*

★ **ROP15-6** Automatic Segmentation Volumetry of the Posterior Limb of the Internal Capsule and Clinical Outcomes in Very Preterm Infants
Malik Galijasevic / *Dept. of Neuroradiology, Medical Univ. of Innsbruck*

16:45-17:25 (313+314)

Hepatobiliary Pancreas2 (Pancreatic Cystic Lesion/ Others)
Akihiro Nishie
Tomoko Hyodo

ROP16-1 Image Comparison between IOPN and IPMN
Yoshihisa Kodama / *Dept. of Radiology, Teine Keijinkai Hosp.*

★ **ROP16-2** CT and MRCP Assessment of Worrisome Features and High-risk Stigmata in Pancreatic Intraductal Papillary Mucinous Carcinoma
Kastumi Hayakawa / *Dept. of Diagnostic Radiology, Red Cross Kyoto Daiichi Hosp*

★ **ROP16-3** Effect of Pancreatic Cystic Lesion on Pancreatic Quantitative Multiparameter Including Native T1 Value, Fat Fraction, and R2* Value
Hiroyuki Morisaka / *Dept. of Radiology, Univ. of Yamanashi*

ROP16-4 Usefulness of Breath-hold T2-weighted Image (T2WI) of the Pancreas with Deep Learning-based Reconstruction Compared to Respiratory-gated Turbo Spin Echo T2WI.
Tomofumi Nonaka / *Dept. of Radiology, Shinshu Univ.*

April 15 (Sat.)

8:20-9:10 (311+312)

Others
Seitaro Oda
Kanako Kumamaru

ROP17-1 Countermeasures Against High-risk Incidental CT Findings: Approach with Alert System by Radiologists
Seitaro Oda / *Dept. of Radiology, Kumamoto Univ.*

ROP17-2 Kounis Syndrome: Acute Coronary Syndrome Following Anaphylactic Reaction Induced by Contrast Medium
Kanako Kojo / *Dept. Radiology, NHO Shizuoka Medical Center*

ROP17-3 National Trends in CT and MRI Utilization During the Covid-19 Pandemic: A Nation-wide Claims Database Study
Kanako Kumamaru / *Dept. of Radiology, Juntendo Univ.*

ROP17-4 Countermeasures for Radiology Departments in Hospital Cybersecurity
Hiroshi Kondoh / *Kyoritsu Onsen Hosp.*

★ **ROP17-5** Diagnostic Approach and Role of Imaging in Management of Penetrating Neck Injuries
Snehal I. Kose / *Dept. of Radiodiagnosis, All India Institute of Medical Sciences, New Delhi*

9:20-10:30 (311+312)

Radiation Oncology3 (Neuroradiology, Head and Neck)
Megumi Uto
Yosuke Ota

★ **ROP18-1** Initial Experience of Tumor Bed Stereotactic Radiotherapy for Resected Brain Metastases in Our Hospital.
Toshimichi Nakano / *Dept. of Radiology and Radiation Oncology, Niigata Univ.*

ROP18-2 Whole-brain Radiotherapy with Simultaneous Integrated Boost to Multiple Brain Metastases using Volumetric Modulated Arc Therapy
Shinichiro Toyoshima / *Dept. of Radiation Oncology, Toyama Prefectural Central Hos.*

ROP18-3 Methyl-11C-L-methionine Positron Emission Tomography for Radiotherapy Planning for Malignant Glioma
Hikaru Niitsu / *Dept. of Radiation Oncology, Tsukuba Univ*

ROP18-4 Proton Beam Therapy for External Auditory Canal and Middle Ear Cancer
Masanori Machida / *Dept. of Radiation Oncology, Southern TOHOKU Proton Therapy Center*

ROP18-5 The Oncologic Outcomes of I-131 Adjuvant Therapy for Differentiated Thyroid Cancer.
Masahito Okabe / *Dept. of Radiology, Okayama Univ.*

ROP18-6 Immunohistological Evaluation of Patients Treated with Intra-arterial Chemoradiotherapy and Surgery for Oral Cancer
Yutaro Ikeuchi / *Dept of Radiology, Sapporo Medical Univ.*

ROP18-7 Outcomes of Postoperative Radiotherapy for Gingival Squamous Cell Carcinoma
Peter J K Tokuda / *Dept. of Radiation Oncology, Kobe City Medical Center General Hosp.*

10:40-11:30 (311+312)

Interventional Radiology5 (Others)
Hiroshi Kondo
Mayu Uka

ROP19-1 Retrospective Assessment of Percutaneous Fiducial Marker Placement Prior to Stereotactic Radiotherapy for Malignant Tumors of Liver
Haruna Kawaguchi / *KMCC*

ROP19-2 Assessment of Transarterial Endovascular Fiducial Marker Placement Prior to Radiotherapy for Malignant Pancreatic Tumors
Haruna Kawaguchi / *KMCC*

ROP19-3 Hemostatic Effect of Transarterial Chemotherapy without Embolization for Cancer Bleeding
Akihiko Seki / Dept. of Medical oncology, Suita Tokushukai Hosp.

ROP19-4 Imaging Findings in Addition to Bone Biopsy Results to Reduce False-negative in Bone Biopsies for Suspected Malignant Lesions
Kenichiro Okumura / Dept. of Radiology, Kanazawa Univ.

ROP19-5 Deep Learning Reconstruction Algorithm for CT During Hepatic Arteriography: Vascular Depiction and Image Quality
Yukichi Tanahashi / Dept. of Radiology, Hamamatsu Univ. Sch. of Medicine

13:30-14:30 (311+312)

Physics and Others2 (Artificial Intelligence1)

Takeshi Nakaura

Norio Nakata

ROP20-1 Assessment of Clinical Performance of an AI Program for Measuring Thoracic Aortic Diameter
Akiyoshi Suzuki / Dept. of Radiology, Juntendo Univ.

ROP20-2 Feasibility Assessment of 3D U-Net with Transformer for Automatic Segmentation of the Aorta from Non-enhanced CT
Naoki Yoshioka / Dept. of Radiology, Narita Hp., IUHW.

ROP20-3 Accuracy of Myocardial Segmentation by Deep Learning on a Small Number of Training Data
Masaya Kishihara / Dept. of Radiology, Nagoya City Univ.

ROP20-4 Data-driven Analysis of Health Check-ups Revealed a Negative Correlation between Heart Size and Pulse Rate
Kanato Masayoshi / Dept. of Radiology, Keio Univ.

ROP20-5 Deep Learning-based Cardiothoracic Ratio Measurement on Chest Radiograph: An Accuracy Improvement without Manual Annotation
Atsushi Takamatsu / Dept. of Radiology, Kanazawa Univ.

ROP20-6 Artificial Intelligence Model to Estimate Age from Chest Radiographs
Yasuhito Mitsuyama / Dept. of Diagnostic and Interventional Radiology, Osaka Metropolitan Univ.

14:45-15:45 (311+312)

Physics and Others3 (Artificial Intelligence2)

Shigeru Kiryu

Akira Yamada

ROP21-1 Prediction of Prostate Cancer Grades using Radiomic Features
Yasuhiro Yamamoto / Dept. of Radiology, Housyasen Daiichi Hosp.

ROP21-2 Efficacy Evaluation of Intracranial Hemorrhage Diagnosis Support Technology in Head CT Images using Artificial Intelligence
Koji Morita / Dept. of Radiology, Div. of Radiation Oncology, Showa Univ.

ROP21-3 Deep Learning Non-invasive Regional Cerebral Blood Flow Estimation Method in the 123I-IMP Autoradiography Based on CGAN: An Initial Study.
Tetsuro Kaga / Dept. of Radiology, Gifu Univ

★ROP21-4 Radiomics Analysis for Differentiating CIDP from POEMS Syndrome in Sonographic Evaluation of Peripheral Nerve of the Upper Extremity
Jun Hashiba / Dept. of Radiology, Chiba Univ.

ROP21-5 Automatic Classification between Normal/Abnormal Radiology Reports using Natural Language Processing with Pretrained Transformer Models
Mizuho Nishio / Dept. of Radiology, Kobe Univ.

★ROP21-6 Deep Learning-Enabled Identification of Large Vessel Occlusion on 4D-CTA
Yuling Peng / Dept. of Radiology, The First Affiliated Hosp. of Chongqing Medical Univ.

16:00-16:50 (311+312)

Obstetrics/ Gynecology

Sayaka Daido

Go Nakai

★ROP22-1 Assessment of Subendometrial Enhancement of the Uterus with High Spatial-temporal Resolution Multiphase Contrast Enhanced-MRI: A Preliminary Report.
Takahiro Tsuboyama / Dept. of Radiology, Osaka Univ.

ROP22-2 Multiparametric MRI for Preoperative Prediction of Lymph Node Metastases in Patients with Uterine Endometrial Cancer
Fumitaka Ejima / Dept. of Radiology, Kagoshima Univ.

ROP22-3 Diagnostic Ability of O-RADS MRI for Ovarian Lesions
Takanori Aonuma / Dept. of Radiology, Shinshu Univ

★ROP22-4 Review of the Diagnostic Reports in Gynecological Imaging
Kimiyoishi Mizunuma / Dept. of Diag. & Intervent. Rad., Nasu RC Hosp.

★ROP22-5 Application of 18F FDG PETMR in the Differential Diagnosis of Pelvic Lymph Node Metastasis of Cervical Cancer
Long Chen / Dept. of PET/CT Center, Yunnan Cancer Hosp., The Third Affiliated Hosp. of Kunming Medical Univ.

17:00-17:50 (311+312)

Chest2 (Neoplasm2)

Takahiko Nakazono

Takayoshi Shinya

ROP23-1 Comparative Study of CT Findings of Primary Lung Adenocarcinoma with and without Spread Through Air Spaces
Fumi Kameda / Dept. of Radiology, Yamaguchi Univ.

ROP23-2 CT Findings of Lung Cancer Involving the Chest Wall
Shingo Iwano / Dept. of Radiology, Nagoya Univ.

ROP23-3 The CT Imaging Features of Squamous Cell Bronchogenic Lung Carcinoma
Nobukata Kazawa / Dept. of Radiology, KUMU

ROP23-4 Adenoid Cystic Carcinoma Arising in the Thoracic Region: Is Peripheral Lung Development Primary or Metastatic?
Kaori Nakayama / Dept. of Diagnostic Radiology, Yamanashi Prefectural Central Hosp.

★ : English Presentation

- ★ **ROP23-5** Radiomics in Benign Versus Malignant Pulmonary Nodules
Minmini Selvam / Dept. of Radio-Diagnosis, Sri Ramachandra Institute of Higher Education and Research

8:20-9:10 (313+314)

Interventional Radiology3 (Shunt/Vein/Lymph Duct)
Masashi Tamura
Masayoshi Yamamoto

- ROP24-1** Stenosis of Hemodialysis Vascular Access Due to Venous Dissection
Yoshisuke Kadoya / Dept. of Diagnostic Radiology, Toyama Prefectural Central Hosp.
- ROP24-2** Computational Blood Flow Modeling of Aldosterone Concentration in Adrenal Vein Sampling: An Optimal Sampling Position in the Proximal IVC
Kodai Fukuda / Dept. of Radiology, Wakayama Medical Univ.
- ROP24-3** The Origin of the Portosystemic Shunt (PSS)? : The Frequency of PSS in Patients without Liver Dysfunction
Takuji Araki / Dep. of Radiology, Univ. of Yamanashi
- ROP24-4** Indications, Safety, and Success Rate of Lymphatic Leakage Point Detection, and Learning Curve of Procedure Time for Lymphangiography
Koichi Ishiyama / Dept. of Radiology, Akita Univ.
- ★ **ROP24-5** Bleomycin Sclerotherapy for Vascular Malformations in Children and Adults: Case Series in Tertiary Referral Center
Lu Xu / Dept. of Radiology and Imaging, Queen Elizabeth Hosp.

9:25-10:05 (313+314)

Interventional Radiology4 (Angioplasty/Others)
Shigeo Ichihashi
Yoshiaki Ichinose

- ROP25-1** Percutaneous Mesenteric Artery Stenting for Chronic Mesenteric Ischemia in Combination with Modern Implantation Techniques and Dual Antiplatelet Therapy
Kazuhiko Nakamura / Dept. of Radiology, Tottori Pref. Cent. Hosp.
- ROP25-2** The Newest Generation of Drug-eluting Stent for Below-the-Knee Atherosclerotic Disease: 2023 Update on Hybrid Nano-Coating Technology
Terumitsu Hasebe / Dept. of Radiology, Tokai Univ. Hachioji Hosp.
- ROP25-3** Improvement in Local Vascular Perfusion of the Lower Limbs on Intravoxel Incoherent Motion Imaging
Mitsunari Maruyama / Dept. of Radiology, Shimane Univ.
- ROP25-4** Time Course of Trauma IVR in the Hybrid Emergency Room
Yutaka Koide / Dept. of Radiology, Harima-Himeji General Medical Center.

10:20-11:20 (313+314)

Uroradiology
Nagaaki Marugami
Nobuyuki Takeyama

- ROP26-1** Evaluation of Bladder Cancer Showing "Black Tumor" on Diffusion-Weighted Images
Arisa Kameda / Dept. of Diagnostic and Interventional Radiology, Nara Medical Univ.
- ROP26-2** The Prediction of Muscle Invasion of Bladder Cancer on MRI with Vision Transformer
Yasuhisa Kurata / Dept. of Radiology Kyoto Univ.
- ROP26-3** Clinical Value of Synthetic DWI in Prostate Cancer at 3T: Comparison with Single-shot EPI DWI
Ayumu Kido / Dept. of Radiology, KMS.
- ROP26-4** Utility of Coronal Readout-Segmented EPI Diffusion Weighted MR Imaging for Evaluating the Prostate
Yuri Nakamura / Dept. of Diag. Radiology, JRC Wakayama MC
- ROP26-5** Optimal Trigger Threshold with Bolus-tracking Technique for Dual Phase Renal CT Angiography
Nobuyuki Kawai / Dept. of Radiology, Gifu Univ.
- ROP26-6** Detectability of a Pseudocapsule in Renal Cell Carcinoma using T2-weighted Imaging Fast Spin Echo 3 Tesla Magnetic Resonance Imaging
Yukiko Honda / Dept. of Diagnostic Radiology, Hiroshima Univ.

13:30-14:10 (313+314)

Hepatobiliary Pancreas3 (Pancreatic Cancer/Others)
Yasuo Takehara
Hiroyuki Morisaka

- ROP27-1** Deep Learning Image Reconstruction Algorithm for 80-kVp Pancreatic Protocol CT
Yukiko Takai / Dept. of Radiology, Gifu Univ
- ROP27-2** Comparison of Image Quality and PDAC Conspicuity between the Low-kVp and Dual-Energy Pancreatic Protocol CT Reconstructed with DLIR
Masashi Asano / Dept. of Radiology, Gifu Univ.
- ROP27-3** Prediction of Overall Survival in Patients with Pancreatic Cancer Undergoing Curative Resection after Chemoradiotherapy using Extracellular Volume Fraction
Kengo Fujimoto / Dept. of Radiology, Kagawa Univ.
- ROP27-4** Usefulness of Thin Slice Oblique Axial Dynamic Contrast-enhanced Magnetic Resonance Imaging in the Preoperative Evaluation of Pancreatic Cancer
Takuya Fukuzawa / Dept. of Radiology, Shinshu Univ.

14:45-15:25 (313+314)

Musculoskeletal
Shin Hitachi
Nozomi Oki

- ★ **ROP28-1** Motion Artifacts Reduction by using Compressed SENSE MultiVane in Shoulder MR Imaging
Mamoru Niitsu / Dept. of Radiology, Saitama Medical Univ.
- ROP28-2** Zero Time-to-echo Imaging of the Hand and Wrist in Patients with Rheumatoid Arthritis: Comparison with Radiography and Conventional MRI Protocol
Jun Tsukamoto / Dept. of Radiology, UOEH

★ **ROP28-3** Automatic Quantification of Enhancing Pannus of the Rheumatoid Hand using Machine Learning in DCE-MRI
 Wanxuan Fang / *Fac. of Health Sciences, Hokkaido Univ.*

ROP28-4 Feasibility of Dual Energy CT Parameters for Differentiation of Adult Soft Tissue High Grade Sarcomas: A Preliminary Study
 Tomohito Hasegawa / *Dept. of Radiology, Kagoshima Univ.*

16:00-16:50 (313+314)

Breast Kazunori Kubota
 Mariko Goto

ROP29-1 Ultrafast Dynamic Contrast-enhanced Breast MRI for the Diagnosis of Non-mass Enhancement
 Mitsuhiro Hisano / *Dept. of Radiology, KPUM.*

ROP29-2 Relationship between Kinetic Parameters of Ultrafast Dynamic Contrast-enhanced MRI and Tumor-infiltrating Lymphocytes in Breast Cancer
 Ken Yamaguchi / *Dept. of Radiology, Saga Univ.*

ROP29-3 Pathologic Correlation of Complexity of Cancer Contour on Breast MRI: A Reflection of 'pathological Healing Status'
 Roka Matsubayashi / *Breast Care Ctr., Dept. of Radiology, Clin. Res. Inst., NHO Kyushu Med. Ctr.*

ROP29-4 Estimating Treatment Response after Neoadjuvant Systemic Treatment using Volumetry on High-resolution Diffusion Weighted Imaging
 Masako Kataoka / *Diagnostic Radiology, Kyoto Univ.*

ROP29-5 Evaluation of Image Quality and Diagnostic Performance of Clinical Full Field Digital Mammography using New Advanced Post Processing Algorithms
 Yukiko Tokuda / *Dept of Radiology, Osaka Univ.*

17:00-17:40 (313+314)

Cardiovascular2 (CT and Others) Satonori Tsuneta
 Nobuo Tomizawa

ROP30-1 Clinical Utility of Computed Tomography Derived Extracellular Volume Fraction in Cardiovascular Disease: A Meta-analysis
 Yuka Misumi / *Dept. of Radiology, Yokohama City Univ.*

ROP30-2 Feasibility of Low-dose Dynamic Myocardial CT Perfusion Imaging with Full Iterative Reconstruction for Assessing Myocardial Perfusion
 Natsumi Kuwahara / *Dept. of Radiology, Ehime Univ.*

★ **ROP30-3** Estimation of the Heartbeat-based Cross-sectional Change in the Right Main Pulmonary Artery and Its Association with Airflow Limitation on Dynamic-ventilation Computed Tomography
 Tatsuya Oki / *Div. of Radiology, Shiga Univ. of Medical Science*

ROP30-4 Left Atrial Strain Assessment using Cardiac Computed Tomography in Patients with Paroxysmal Atrial Fibrillation
 Takaaki Hosokawa / *Dept. of Radiology, Ehime Univ.*

April 16 (Sun.)

8:20-9:00 (311+312)

Neuroradiology3 (Neoplasm, Hemorrhage, and Vascular) Shiori Amemiya
 Satoru Ide

ROP31-1 Differentiation of Brain Metastasis and Glioblastoma by Time-dependent DWI: Diagnostic Performance and Comparison of Extravascular Extracellular Space
 Kiyohisa Kamimura / *Dept. of Radiology, Kagoshima Univ.*

ROP31-2 Clinical and Imaging Characteristics of IDH2mt Lower-grade Gliomas: A Preliminary Study
 Akihiko Sakata / *Dept. of Radiology, Kyoto Univ.*

ROP31-3 Improvement of the Vessel Visibility of VISIBLE and Verifying the Usefulness of VISIBLE using Machine Learning in Detecting Brain Metastasis
 Kazufumi Kikuchi / *Dept. of Radiology, Kyushu Univ. Hosp.*

ROP31-4 Differentiation of Pituitary Abscesses from Other Sellar Cystic Lesions with 3T Split Acquisition of Fast Spin-Echo Diffusion-Weighted Imaging
 Soichiro Ishiuchi / *Dept. of Diagnostic Radiology, Kumamoto Univ.*

9:40-10:20 (311+312)

Chest3 (Interstitial Pneumonia, COPD, etc) Yoshie Kunihiro
 Tae Iwasawa

ROP32-1 Quantitative Analysis of Pleuroparenchymal Fibroelastosis-like Lesion and Correlation with Survival of Patients with Chronic Interstitial Lung Disease
 Naofumi Yasuda / *Dept. of Radiology, Kanagawa Cardiovascular and Respiratory Center*

★ **ROP32-2** The Feasibility of Low Dose Computed Tomography using Ultra-high-resolution CT Scanner on the Evaluation of Interstitial Lung Disease
 Shihyao Cheng / *Dept. of Radiology, Kanagawa Cardiovascular and Respiratory Center*

★ **ROP32-3** Association of Early and Late Inspiratory Total Lung Volume Change with Fibrotic Extent on Dynamic-ventilation CT in Chronic Interstitial Pneumonia
 Yukihiro Nagatani / *Dept. of Radiology, SUMS*

ROP32-4 Dynamic Measurement of Central to Peripheral Airway using Dynamic-ventilation Computed Tomography in COPD Patients and Non-smokers
 Ryo Uemura / *Dept. of Radiology, Shiga Univ.*

10:40-11:20 (311+312)

Chest4 (Others) Masahiro Yanagawa
 Yuko Nishimoto

ROP33-1 Simultaneous Visibility of the Thoracic Duct and Blood Vessels on MRI: Comparison between Balanced Turbo Field-echo and Turbo Spin-echo Imagings
 Xuyang Sun / *Dept. of Radiology, Tokai Univ.*

ROP33-2 CT Findings of Nosocomial COVID-19 Pneumonia in Patients with Hematologic Disorders
 Kiyomi Furuya / *Dept. of Radiology, Kyushu Medical Center*

★ : English Presentation

ROP33-3 Quantitative Assessment of CT Imaging Changes in Lung Abnormalities in Patients with COVID-19 Pneumonia

Akira Nishiyama / Dept. of Radiology, Chiba Univ.

★ **ROP33-4** Correlation of Pectoralis Major Muscle Thickness with Severity of COVID-19 Pneumonia on Chest CT

Mario Emmanuel A. Gallardo / Dept. of Radiology, Quezon City General Hosp.

14:00-14:40 (311+312)

Neuroradiology4 (Cerebral Infarction)

Yoshiyasu Hiratsuka
Yoshiyuki Watanabe

ROP34-1 Deep Learning-based Denoising Designed for Acute Ischemic Stroke on Brain CT: A Correlative Study with Iterative Reconstruction

Kaori Shiraishi / Dept. of Diagnostic Radiology, Kumamoto Univ.

★ **ROP34-2** Severely Hypoperfused Brain Tissue Correlates with Final Infarct Volume Despite Recanalization in DMVO Stroke

Maud SY Wang / Dept. of Neurointerventional Radiology, Univ. Hosp. Erasme - Dept. of Radiology, Univ. Hosp.s Leuven

ROP34-3 Super Resolution Deep Learning Reconstruction Improves the Image Quality of Diffusion Weighted Images in Head MRI

Kaori Shiraishi / Dept. of Diagnostic Radiology, Kumamoto Univ.

★ **ROP34-4** Clinical Outcome Predictions by Early High-resolution Vessel Wall MRI within 24 Hours after Intracranial Stenting.

Chia-Hung Wu / Dept. of Radiology, Taipei Veterans General Hosp.

8:20-9:20 (313+314)

Nuclear Medicine3 (Urology and Breast) Kanae Miyake
Koichiro Abe

ROP35-1 Impact of Timing of Radium-223 on Survival in Patients with Bone Metastatic Castration-resistant Prostate Cancer

Kenji Makita / Dept. of Radiation Oncology, NHO Shikoku Cancer Center

ROP35-2 Evaluation of Radium-223 Dichloride for Patients with Metastatic Castration-resistant Prostate Cancer

Junichi Yokouchi / Dept. of Radiat Oncol, Aomori Pref. Hosp.

★ **ROP35-3** Standardized Uptake Values of Bladder Cancer with 18F-FDG PET-CT: Variation with Size and Differentiation

Rika Yoshida / Dept. of Radiology, Shimane Univ.

★ **ROP35-4** Clinical Efficacy of the Novel Whole-body PET/CT Imaging in Patients with Early Breast Cancer by Comparing with the Dedicated Breast PET

Naomi Morita / MI Clinic

ROP35-5 Factors Associated with False-negative for Axillary Lymph Node Metastases 10mm or Less in Preoperative [18F] FDG PET/CT in Breast Cancer

Yurika Kitano / Dept. of Diagnostic Imaging, Kyoto Univ.

★ **ROP35-6** Incidence of Skeletal Involvement in Carcinoma Prostate with Low PSA.

Shrikant V Solav / SPECTLAB Nuclear Medicine Services

9:30-10:20 (313+314)

Cardiovascular3 (MRI)

Tomoyuki Kido
Yasutaka Ichikawa

ROP36-1 Initial Investigation of Adaptation of Dyssynchrony Index to Cardiac MRI CINE Images

Masaya Kisohara / Dept. of Radiology, Nagoya City Univ.

ROP36-2 Regional Heterogeneity of Native Myocardial T1 Mapping in Healthy Volunteers

Azusa Ichinose / Dept. of Radiology, NHO Shizuoka Medical Center

ROP36-3 A Comparative Study of Conventional 2D-LGE and Image-navigated (INAVI) 3D-LGE.

Masahiro Takakado / Dept. of Radiology, Ehime Prefectural Central Hosp.

ROP36-4 Accuracy Validation of Four-Dimensional Flow Magnetic Resonance Imaging Measurements using Aortic Aneurysm Phantoms

Hiroaki Watanabe / Dept. of Radiology, Yamanashi Prefectural Central Hosp.

ROP36-5 Prediction of Pulmonary Arterial Pressure by Multiparametric Cardiac MRI in Pulmonary Hypertension

Hidetaka Hayashi / Dept. of Diagnostic Radiology, Kumamoto Univ.

10:30-11:30 (313+314)

Radiation Oncology4 (Urology/ Pelvis) Shinji Kariya
Shin-ei Noda

ROP37-1 Outcomes in Younger Men after Permanent Prostate Brachytherapy on J-POPS

Norihisa Katayama / Dept. of Radiology, Kagawa Prefectural Central Hosp.

ROP37-2 Impact of Radiation Dose on Clinical Relapse for Biochemically Recurrent Prostate Cancer after Prostatectomy: A Multi-institutional Long-term Observational Study

Seiya Takano / Dept. of Radiology, Nagoya City Univ.

ROP37-3 Long-term Clinical Outcome after High-dose-rate Brachytherapy without Hormonal Therapy for High-risk Prostate Cancer

Nobuhiko Kamitani / Dept. of Radiology, Kawasaki Med. Sch.

ROP37-4 Initial Experience of Ra-223 for Castration-resistant Prostate Cancer with Bone Metastases

Kana Kobayashi / Dept. of Radiation Oncology, Kobe Univ.

ROP37-5 Optimal Bladder Shape by Volumetric Modulated Arc Therapy for Prostate Cancer

Yojiro Ishikawa / Div. of Radiology, Tohoku Medical and Pharmaceutical Univ.

ROP37-6 Changes in Tumor and Normal Tissue Dose Volume Parameters after Initiation of Interstitial Irradiation for Cervical Cancer

Kotaro Yoshio / Dept. of Radiology/Proton Beam Therapy, Okayama Univ.