

# Electronic Poster Presentation Programs

## April 12 (Fri.)

9:10-9:52 (Poster Presentation Booth 1)

### 1. Radiation Oncology 1: CNS/Head and Neck Atsuro Terahara

- C001** The Results of Stereotactic Radiotherapy for Brain Metastases from Small Cell Lung Cancer  
Kotaro Yoshio / Dept. of Radiology, Kagawa Prefectural Central Hospital
- C002** Prognostic Significance of 1p/19q Codeletion in Grade-II and Grade-III Gliomas: A Retrospective Study  
Wataru Takahashi / Dept. of Radiology, the University of Tokyo Hospital
- C003** Feasibility of Hippocampal Dose-Volume Parameters Associated with Cognitive Decline in Intensity-Modulated Radiation Therapy for Supratentorial Tumors  
Shigeo Takahashi / Dept. Radiation Oncology, Kagawa University Hospital
- C004** Outcome of Definitive Radiation Therapy for Locally Advanced Nasopharyngeal Carcinoma  
Ayaka Ouchi / Dept. of Radiology, Graduate School of Medicine Ehime University
- C005** Radiotherapy for Head and Neck Cancer and Simultaneous Double CSancers  
Tomohiro Matsuura / Dept. of Radiation Oncology, Yamato Takada Municipal Hospital
- C006** Control Rates of Metastatic Lesions from Differentiated Thyroid Cancer Treated with External-beam Radiotherapy with or without Radioactive Iodine Therapy  
Kenji Makita / Dept. Radiology, Matsuyama Red Cross Hospital

10:10-10:45 (Poster Presentation Booth 1)

### 2. Radiation Oncology 2: Chest Manabu Aoki

- C007** The Results of Dose-escalated SBRT for Non-small Cell Lung Cancer Lesions >3 cm  
Takafumi Komiyama / Dept. of Radiology, University of Yamnashi
- C008** Prognostic Significance of Volumetric Parameters with Pretreatment <sup>18</sup>F-fluorodeoxyglucose Positron Emission Tomography in Non-small Lung Cancer  
Eiichiro Okazaki / Dept. of Radiation Oncology, Saiseikai Nakatsu Hospital
- C009** Clinical Outcomes and Patterns of Failure Following Chemoradiation Therapy for Limited-stage Small Cell Lung Cancer: A 20-year Single Institution Experience  
Nor Shazrina Sulaiman / Dept. of Radiation Oncology, Hyogo Cancer Center
- C010** Correlation between Spread of Radiation Pneumonitis and Isodose Curves in Patients with Stage-I NSCLC Undergoing IMRT  
Tomohiro Itonaga / Dept. of Radiology, Tokyo Medical University
- C011** Dose-volume Parameters Predict Radiation Pneumonitis after Induction Chemoradiotherapy Followed by Surgery for Non-small Cell Lung Cancer  
Kuniaki Katsui / Dept. of Proton Beam Therapy, Okayama University Graduate School of Medicine

11:00-11:42 (Poster Presentation Booth 1)

### 3. Radiation Oncology 3: Pelvis Jun Itami

- C012** Absorbable Hydrogel Spacer in Radiotherapy for Prostate Cancer: Difficulty to Differentiate the Spacer from Temporary Fluid Collection  
Shinya Sutani / Dept. of Radiology, National Hospital Organization Tokyo Medical Center
- C013** Outcomes and Predictive Factors by Risk Group after Permanent Prostate Brachytherapy: Prospective Cohort Study (J-POPS)  
Norihisa Katayama / Dept. of Radiology, Okayama University Medical School
- C014** Outcome after Treatment for Recurrence in Patients with Locally Advanced Cervical Cancer Treated with Radiotherapy  
Shintaro Tsuruoka / Dept. of Radiology, Graduate School of Medicine Ehime University
- C015** DVH Analysis of Intracavitary Brachytherapy for Uterine Cervical Cancer  
Masanori Someya / Dept. of Radiology, Sapporo Medical University, School of Medicine
- C016** Interfractional Motion of Vaginal Vault in Postoperative Cervical Cancer Patients: Analysis of Intraoperative and Postoperative Fiducial Markers  
Shuhei Sekii / Dept. of Radiation Oncology, Hyogo Cancer Center
- C017** Evaluation of Side Effect during Radiotherapy in Cervical Cancer Patients  
Satoshi Senoo / Dept. of Radiation Oncology, Kobe University Graduate School of Medicine

15:10-15:45 (Poster Presentation Booth 1)

### 4. Radiation Oncology 4: Miscellaneous Hideya Yamazaki

- C018** Endoscopic Submucosal Dissection Followed by Chemoradiotherapy for Superficial Esophageal Cancer  
Gen Suzuki / Dept. of Radiology, Kyoto Prefectural University of Medicine
- C019** Outcomes of MALT Lymphoma Treated with Definitive Radiotherapy and Long-term Follow-up  
Yuntao Dai / Dept. of Radiation Oncology, Kobe University School of Medicine
- C020** Effects of Manipulating Tumor Hypoxia and Radiation Dose Rate on Local Tumor Response and Lung Metastatic Potential with Reference to the Response of Intratumor Quiescent Cells  
Shinichiro Masunaga / Particle Radiat Biol, Div Radiat Life Sci, Inst Integ Radiat Nucl Sci, Kyoto Univ
- C021** Radiotherapy Combined with Immune-checkpoint Inhibitors: Does the Abscopal Effect Really Exist?  
Shinichiro Toyoshima / Dept. of Radiation Oncology, Toyama Prefectural Central Hospital
- C022** Quantitative Evaluation of Calcification after Radiotherapy—Secondary Report—  
Hidekazu Hattori / Dept. of Radiology, Fujita Health University School of Medicine

## ★ : English Presentation

16:00-16:35 (Poster Presentation Booth 1)

**5. Interventional Radiology 1: Miscellaneous**

Toshio Kaminou

- C023** Risk Factors for Massive Bleeding Based on Angiographic Findings in Patients with Placenta Previa and Accreta and Who Underwent Balloon Occlusion of the Internal Iliac Artery  
Hiroyuki Tokue / Dept. of Diagnostic Radiology, Interventional Radiology and Nuclear Medicine Gunma University Hospital
- C024** Initial Experience of Viabahn Stent Graft for Treating Peripheral Arterial Disease  
Akira Adachi / Dept. of Radiology, Faculty of Medicine, Tottori University
- C025** CT Fluoroscopy-guided Biopsy Using a Robot (Zerobot): Prospective First-in-Human Feasibility Trial  
Takao Hiraki / Dept. of Radiology, Okayama University Medical School
- C026** Marker-based Multi-camera Navigation System for Interventional Radiology  
Hiroya Shiomi / Miyakojima IGRT Clinic
- C027** Capturing-Performance Assessment of an Endovascular Snare System Based on a Loop-Formed Torque Wire  
Norihsa Nitta / Dept. of Radiology, Shiga University of Medical Science

16:50-17:18 (Poster Presentation Booth 1)

**6. Interventional Radiology 2: Embolization**

Yoshiki Asayama

- C028** Portosystemic Shunt Embolization Using Amplatzer™ Vascular Plug; Experience with Four Cases  
Akira Imaizumi / Dept. of Radiology, Univ. of Yamanashi
- C029** Percutaneous Transhepatic Portal Vein Embolization with Ethanol Injection using both the Double-lumen Balloon Catheter and Catheter Sheath  
Tomoki Tozawa / Dept. of Radiology, Akita University School of Medicine
- C030** Evaluation of Image-based Predictive Factors for Hypertrophy of Future Remnant Liver after Portal Vein Embolization  
Shigeshi Kohno / Dept. of Diagnostic Imaging and Nuclear Medicine, Kyoto University Graduate School of Medicine
- C031** Correlation between Future Liver Remnant Plasma Clearance Rate of Indocyanine Green after Portal Vein Embolization and Post-Hepatectomy Liver Failure  
Mitsunari Maruyama / Dept. of Radiology, Shimane University Faculty of Medicine

17:30-17:51 (Poster Presentation Booth 1)

**7. Interventional Radiology 3: Liver**

Toshi Hashimoto

- C032** Safety and Efficacy in Patients with Advanced Hepatocellular Carcinoma Treated with Drug-eluting-beads Embolization  
Hiroshi Seki / Dept. of Diagnostic Radiology, Niigata Cancer Center Hospital

- C033** Experience of Concurrent Transcatheter Arterial Chemoembolization and Partial Splenic Embolization before Radiofrequency Ablation for Hepatocellular Carcinoma

Noriaki Yuasa / Dept. of Radiology, Steel Memorial Muroran Hospital

- C034** Ablative Margin Simulation Using CT Volume Analyzer in the Treatment of the Next-generation Microwave Thermosphere Ablation for Malignant Liver Tumors

Noriyuki Miyamoto / Dept. of Radiology, Obihiro Kosei Hospital

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

**8. Breast**

Kazunori Kubota

- C035** Relationship between MRI Findings and Invasive Breast Carcinoma with Podoplanin-positive Cancer-associated Fibroblasts  
Ken Yamaguchi / Dept. of Radiology, Saga University, Faculty of Medicine
- C036** Quantitative Evaluation of Breast Lesions Using Synthetic MRI: Differences between Benign and Malignant Lesions  
Megumi Matsuda / Dept. of Radiology, Ehime University Graduate School of Medicine
- C037** Intravoxel Incoherent Motion for Invasive Breast Cancer: Correlation with Histological Microstructural Parameters  
Naoko Mori / Dept. of Diagnostic Radiology, Tohoku University Graduate School of Medicine
- C038** Comparison between Two-dimensional Synthesized Mammography and Original Digital Mammography Regarding Ability for Mass Depiction  
Hiroko Kawashima / Division of Health Sciences, Kanazawa University
- C039** Clinical Performance of Synthetic Mammography and 3D Rotating Mammogram in Digital Breast Tomosynthesis for the Diagnosis of Microcalcifications  
Hitomi Tani / Dept. of Radiology, Nippon Medical School
- C040** Comparison of synthetic mammography reconstructed from digital breast tomosynthesis and full-field digital mammography for detection of breast cancer  
Ryusuke Murakami / Dept. of Radiology, Nippon Medical School

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

**9. Musculoskeletal**

Shuji Nagata

- C041** Usability Study of Temporal Subtraction CT for Detection of Vertebral Bone Metastases  
Sodai Hoshiai / Dept. of Radiology, University of Tsukuba
- ★ **C042** Diagnostic Value of Magnetic Resonance Imaging (MRI) for Aggressive Bone Lesions  
Wisitsak Pakdee / Dept. of Radiology, Prince of Songkla University
- C043** Prediction of Vertebral Bone Strength in COPD Patients with Quantitative Lung CT analysis  
Natsumi Hirano / Dept. of Radiology, University of Occupational and Environmental Health School of Medicine
- C044** Can GI-BONE Be Applied to Nonhybrid SPECT Data?—Experience of GI-BONE in Evaluating Bone Metastases of Prostatic Cancer—  
Akifumi Iwasa / Dept. of Diagnostic Imaging Kyoto Katsura Hospital

**C045** Diagnostic Impact of Ga-SPECT/CT Using Quantitative Analysis for Patients with Lower-limb Osteomyelitis  
Yoshito Nishikawa / Dept. of Radiology, Nippon Medical School

**C046** The Utility of Color Doppler Ultrasound to Predict Infantile Hemangiomas Response to Propranolol  
Sumika Kagebayashi / Dept. of Radiology, Japanese Red Cross Otsu Hospital

11:10-11:45 (Poster Presentation Booth 2)

**10. Gastrointestinal** Taro Ichikawa

**C047** Morphological Evaluation of Extramural Invasion of Rectal Cancer Using MRI: Comparing MRI and Histopathological Findings  
Shigeki Ikeda / Dept. of Radiology, Kansai Medical University

**C048** Clinical and CT Findings of Rice Cake-induced Small Bowel Obstruction in Comparison with Those of Bezoar-induced Small Bowel Obstruction  
Shigehiro Sugimoto / Dept. of Diagnostic and Interventional Radiology, Osaka City University Graduate School of Medicine

★ **C049** The CT Findings and Its Pathological Features of Gastrointestinal Neuroendocrine Tumors  
Huizi Wan / Liaoning Provincial People's Hospital

★ **C050** Burkitt's Lymphoma Mimicking Peritoneal Carcinomatosis  
Chin Yee Lau / Dept. of Radiology, Hospital Sungai Buloh, Malaysia

★ **C051** Abdominal Tuberculosis: The Great Masquerader with Ultrasound to the Rescue  
Vishal Kantilal Kumat / Prince Aly Khan Hospital

15:10-15:52 (Poster Presentation Booth 2)

**11. Cardiovascular 1: Cardiac CT 1** Haruhiko Machida

**C052** Comparison of Plaque Characteristics between Coronary Computed Tomography Angiography Based on Diluted Contrast-injection Protocol And Integrated Backscatter Intravascular Ultrasound  
Yoshihiro Kouchi / Dept. of Radiology, Ehime University School of Medicine

**C053** Simulated Enhancement Ratio of Myocardium to Aorta for Identification of Obstructive Coronary Artery Disease Using Dynamic Myocardial Computed Tomography Perfusion  
Takanori Kouchi / Dept. of Radiology, Ehime University School of Medicine

**C054** Low-dose Dual-wide-energy X-ray Computed Tomography Using a Cooled Cadmium-telluride Detector  
Sohei Yoshida / Dept. of Radiology, Iwate Medical University

★ **C055** Evaluation of ECG Edit Software by 2nd Generation 320-row CT in Patients with Arrhythmia  
Ya xin Zhu / Radiology

★ **C056** The Clinical Diagnostic Value of Triple-phase CT Angiography in Acute Chest Pain  
Ping Xia / Dept. of Radiology, The Central Hospital of Xuzhou, China

**C057** Effects of X-ray Irradiation from CT on Implantable Cardioverter Defibrillators (ICD) Revisited 2018  
Atsushi Kono / Dept. of Radiology, National Cerebral and Cardiovascular Center

16:10-16:52 (Poster Presentation Booth 2)

**12. Cardiovascular 2: Cardiac CT 2** Fuminari Tatsugami

**C058** Coronary Artery Calcification Score on Evaluating Coronary Artery Disease Prevalence in the Japanese Population  
Hitomi Ochi / Dept. of Radiology, Ehime University School of Medicine

**C059** Factors Affecting the Speed of Coronary Artery Calcification: Evaluation by Multivariate Analysis  
Makoto Amanuma / Dept. of Radiology, Takase Clinic

**C060** Comparison of Simplified Bernoulli Method by Coronary Computed Tomography Angiography with Single-Photon Emission Computed Tomography for Diagnosing Functional Ischemia  
Nobuo Tomizawa / Dept. of Radiology, New Tokyo Hospital

**C061** Low Iodine Dose Is Related to Overestimation of Extracellular Volume Fraction Derived from Cardiac Computed Tomography  
Hiroaki Arakawa / Dept. of Radiology, New Tokyo Hospital

**C062** The Comparison of the Diagnostic Accuracy between MBF and MBV Derived from Dynamic CTP for Detecting Myocardial Perfusion Abnormalities  
Daichi Uraoka / Dept. of Radiology, Ehime University Graduate School of Medicine

**C063** The Utility of Myocardial Color Scale for Detection of Obstructive Coronary Artery Disease Using Dynamic Myocardial Computed Tomography Perfusion  
Takaaki Hosokawa / Dept. of Radiology, Ehime University School of Medicine

17:10-17:52 (Poster Presentation Booth 2)

**13. Cardiovascular 3: MRI** Atsushi Kono

**C064** Lung Strain Impaired by Pulmonary Fibrosis in Patients with Systemic Sclerosis: Assessment of Cardiac Cine Magnetic Resonance Imaging  
Noriko Kasuga / Dept. of Diagnostic imaging and nuclear medicine, Tokyo Women's Medical University

**C065** Liver Strain Derived from Cardiac Cine Magnetic Resonance Imaging Is a Surrogate Marker for Chronic Liver Injury in Patients with Fontan Circulation and Tetralogy of Fallot  
Ryoko Ohashi / Dept. of Diagnostic Imaging & Nuclear Medicine, Tokyo Women's Medical University

**C066** Turbulent Kinetic Energy Assessment of HOCM by Using Multi-VENC 4D Flow MRI  
Kotomi Iwata / Dept. of Radiology, Nippon Medical School

**C067** Correlation of Wall-shear Stress on MR Angiography and <sup>18</sup>F-FDG Uptake on PET/CT in Patients with Carotid Atherosclerotic Disease  
Yasukage Takami / Dept. of Radiology, Faculty of Medicine, Kagawa University

**C068** Contrast-enhanced Compressed Sensing Whole-heart Coronary Magnetic Resonance Angiography at 3 T  
Kuniaki Hirai / Dept. of Radiology, Ehime University School of Medicine

★ **C069** Retrospective Evaluation of Lower Limb Chronic Venous Insufficiency Using a Novel Non-Contrast MRI Sequence – More Than Just May-Thurner's Syndrome  
Ivan Kuang Hsin Huang / Dept. of Radiology, Tan Tock Seng Hospital, Singapore

★ : English Presentation

PROGRAM

**April 13 (Sat.)**

9:10-9:45 (Poster Presentation Booth 1)

**14. Neuroradiology 1: Cerebrovascular/Miscellaneous** Kyo Noguchi**C070** 4D Flow Assessment of Arterial Pulsation in Patients with Internal Carotid Artery Stenotic Disease

Takahiro Ando / Dept. of Radiology, Nippon Medical School Hospital

**C071** Enhancement of the Normal Superficial Temporal Arteries on Gadolinium-enhanced Vessel Wall Imaging

Koichi Takano / Dept. of Radiology, Fukuoka University Faculty of Medicine

**C072** Turbo-Spin Echo-based Black-Blood MRA in the Assessment of Chronic Intracranial Arterial Steno-Occlusive Lesions

Kosuke Hida / Dept. of Radiology, Fac. of Medicine, Fukuoka University

**C073** The Evaluation of MRI Findings in Old Lacunar Infarction: A Follow-up Study

Naoki Fukuyama / Dept. of Radiology, Ehime Prefectural Central Hospital

★ **C074** Role of MRI brain in evaluation in Patients Infected with HIV with CNS Manifestations

Abhishek Dwivedi / Departement of radiology, Base hospital Delhi Cantt

10:00-10:35 (Poster Presentation Booth 1)

**15. Neuroradiology 2: Degenerative Disorder/Miscellaneous** Harushi Mori**C075** Lewy Body Disease with Visual Hallucination: Optic Radiation Abnormalities on Phase Difference-enhanced Imaging

Mari Miyata / Dept. of Radiology, Univ. of Occupational and Environmental Health

★ **C076** Diffusion Tensor Imaging in Patients with Trigeminal Neuralgia—A Single Center Experience

Matthew Ka Ki Law / Dept. of Radiology, Pamela Youde Nethersole Eastern Hospital

★ **C077** Quantifying Consecutive Neuronal Changes in Putamen during the Development of Early Parkinson's Disease Using Diffusion Tensor MR Imaging

Hiroto Takahashi / Osaka University Graduate School of Medicine

★ **C078** Free-Water Imaging Improves Detection of Changes in the White Matter of Early Parkinson's Disease Patients

Christina Andica / Dept. of Radiology, Juntendo University Graduate School of Medicine

**C079** Evaluation of the Existence of Enhanced Cranial Nerves on ALS Patients Using T1-weighted Gradient Echo Image after Gadolinium Administration

Toshitada Hiraka / Dept. Radiology, Yamagata University Faculty of Medicine.

10:50-11:25 (Poster Presentation Booth 1)

**16. Neuroradiology 3: Miscellaneous 1**

Kentaro Akazawa

**C080** Novel Prognostic Factor for Glioblastoma; Hyperintensity on Arterial Spin-labeling Image Outside Contrast-enhanced Area Indicating Better Prognosis

Takashi Abe / Dept. of Radiology, University School of Medicine

**C081** The Diagnostic Power of Magnetic Resonance Ventriculography for Visualization of the Choroid Plexus of the Third Ventricle

Ken Sato / Dept. of Radiology and Radiation Oncology, Niigata University Graduate School of Medical and Dental Sciences

★ **C082** Changes in Vertebral Body Height and Spinal Canal Diameter due to Aging and BMI

Bolortuya Khurelbaatar / Dept. of Radiology, Mungun Guur Hospital, Mongolia

★ **C083** Role of CT Brain in Patients with Altered Mental Status without Known Trauma

Akash Rajaram / Dept. of Radiology, M S Ramaiah medical college

★ **C084** Usefulness of CT Chest, Abdomen, and Pelvis in Patients with Recent Neurological Symptoms

Akash Rajaram / Dept. of Radiology, M S Ramaiah medical college

13:10-13:45 (Poster Presentation Booth 1)

**17. Chest 1: Lung Nodule** Takeshi Kobayashi**C085** Differentiation of Primary Lung Adenocarcinoma and Squamous Cell Carcinoma Using Dynamic CT Studies

Shogo Fukuma / Dept. of Radiology, Okayama University Hospital, Okayama, Japan

★ **C086** Using 4D Dynamic Imaging for Assessing Bronchial Invasion in Central Lung Cancer Patients

Na Li / Radiology, Liaoning Cancer Hospital &amp; Institute

★ **C087** Quantitative Analysis of Pleural Invasion and Adhesion of Lung Cancer Using 4D Dynamic Imaging on 320-row Volume CT

Na Li / Radiology, Liaoning Cancer Hospital &amp; Institute

**C088** Lung Nodule Detection in CT Images Using a 3D U-net Deep-learning Model

Kanakano Kumamaru / Dept. of Radiology, Juntendo University

**C089** Prediction of Prognosis in Part-solid Ground-Glass Nodules Using Deep Learning System: Validation Analyses of Prognostic Results by Automated Volumetric Analysis.

Masahiro Yanagawa / Dept. of Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine

14:00-14:42 (Poster Presentation Booth 1)

**18. Chest 2: Miscellaneous** Shin Matsuoka**C090** Influence of Field-of-view (FOV) Size on Ultra-high-resolution CT (U-HRCT) Image Quality: Comparison between U-HRCT and Conventional HRCT

Tomo Miyata / Dept. of Radiology, Osaka university School of Medicine

**C091** Volumetry of Pulmonary Subsolid Nodule on Ultralow-dose CT Using Model-based Iterative Reconstruction (MBIR) with or without a Lung-specific Setting

Akinori Hata / Diagnostic and Interventional Radiology Osaka University Graduate School of Medicine

- C092** Can We Perform CT of the Follow-up Study of Interstitial Lung Disease with Ultra-low-dose CT Less Than 0.1 mSv?  
Ryoko Egashira / Dept. of Radiology, Faculty of Medicine, Saga University

- ★ **C093** CT Quantification of Spatial Heterogeneity of Boundary between Fibrotic and Non-fibrotic Areas in Idiopathic Pulmonary Fibrosis  
Soon Ho Yoon / Dept. of Radiology, Seoul Nation University Hospital

- ★ **C094** The Effect of Prospective ECG-gating for Airway Evaluation on Dynamic Ventilation Volume Computed Tomography  
Yanyan Xu / China-Japan Friendship Hospital

- C095** Postmortem CT Changes of Non-pathological Lungs, Pneumonia, and Pulmonary Edema in Patients Who Had Non-traumatic In-hospital Death  
Wataru Gono / Radiology, the University of Tokyo

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

**19. Hepatobiliary/Pancreas 1: Hepatic Mass**  
Masahiro Okada

- C096** CT Evaluation in Liver Metastatic Lesions of Malignant Melanoma  
Hiroaki Kurokawa / Dept. Radiology, Kansai Medical University

- C097** Is Dynamic Gd-EOB-MRI Necessary for the Diagnosis of Liver Metastasis for All Uveal Melanoma Patients?  
Riwa Kishimoto / NIRS, QST

- C098** MRI Detection of Intratumoral Fat in Colorectal Liver Metastases After Preoperative Chemotherapy  
Yudai Nakai / Dept. of Radiology, The University of Tokyo

- C099** Imaging and Clinicopathological Features of Fat-containing Hepatocellular Carcinoma Based on Recent Histological Classification  
Yasuo Kosaka / Dept. of Radiology, Kanazawa University Graduate School of Medical Sciences

- C100** Evaluation of a Non-enhancing "capsule" in Hepatic Nodules and Its Role in Categorization with Liver Imaging Reporting and Data System (LI-RADS), Version 2017  
Saya Igarashi / Dept. of Radiology, Kanazawa University Hospital

10:00-10:35 (Poster Presentation Booth 2)

**20. Hepatobiliary/Pancreas 2: Liver/Miscellaneous**  
Norihide Yoneda

- C101** Quantification of Liver Fibrosis in Patients after Fontan Operation Using Gd-EOB-DTPA MRI: Comparison with Patients with Chronic Viral Hepatitis  
Reiko Sakai / Dept. of Diagnostic Imaging & Nuclear Medicine, Tokyo Women's Medical University

- C102** Evaluation of Hepatic Extracellular Volume Fraction before and after Direct-acting Antiviral Therapy  
Akihiko Kanki / Dept. of Radiology, Kawasaki Medical School

- C103** Periportal Lymphatic MR Images Following Hepatobiliary Phase on Gd-EOB-DTPA-enhanced Imaging at 3T; Is It Useful for Diagnosing the Periportal Lymphatic System Involved by Pancreatobiliary Malignancy?  
Maki Kiyonaga / Dept. of Radiology, Oita University Faculty of Medicine

- C104** Relationship between the Degree of Abdominal Wall Movement and the Severity of the MR Image-quality Deterioration in Contrast-enhanced MRI  
Hiroshi Ikeno / Dept. of Radiology, Fukui Prefectural Hospital (Dept. of Radiology, Kanazawa University Graduate School of Medical Sciences)

- ★ **C105** Hepatic Venous Doppler in Assessing Severity of Liver Cirrhosis and its Correlation with Child Pugh's Classification  
Pokhraj Prakashchandra Suthar / Dept. of Radiology and Imaging Science, Sterling Hospitals

10:50-11:25 (Poster Presentation Booth 2)

**21. Hepatobiliary/Pancreas 3: Miscellaneous**  
Ryo Tamura

- C106** Feasibility of a New Denoising Image-reconstruction Algorithm Using a Deep Convolutional Neural Network Model at Ultra-high-resolution CT Imaging of the Pancreas  
Hiromitsu Onishi / Dept. of Radiology, Osaka University Graduate School of Medicine

- C107** The Quantification of Pancreatic Fat on Dual-energy CT: Comparison with Six-point Dixon MR Imaging  
Fumi Kameda / Dept. of Radiology, Yamaguchi University School of Medicine

- C108** MR Prediction of Malignancy with T2 Value of the Cyst Fluid in Intraductal Papillary Mucinous Neoplasm of the Pancreas  
Seiichiro Takao / Dept. Radiology, Kyushu University Graduate School of Medicine

- C109** Differentiation of Mass-forming Autoimmune Pancreatitis from Pancreatic Ductal Adenocarcinoma by Using Apparent Diffusion Coefficient MR Parameters  
Hainan Ren / Dept. of Radiology, Tohoku University Graduate School of Medicine

- C110** Reliability of Virtual Noncontrast Computed Tomography (CT) in the Evaluation of Abdominal Organs with Noncontrast and Triphasic Contrast-enhanced Spectral CT Images  
Junichi Izumi / Dept. of Radiology, Yokote Municipal Hospital

13:10-13:38 (Poster Presentation Booth 2)

**22. Neuroradiology 4: Miscellaneous 2**  
Haruo Isoda

- ★ **C111** Meta-analysis of Diagnostic Value by Intraoperative MRI, Ultrasound, 5-ALA Guided Resection in Patients with Gliomas  
Dongman Ye / Dept. of Medical Imaging, Cancer Hospital of China Medical University

- ★ **C112** Quantitative Analysis of Gadolinium in the Protein Content of the Brain Post-administration of Gadopentetate  
Adhipatria Perayabangsa Kartamihardja / Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma University

- ★ **C113** Study on the Role of Raw Data Reduction in Whole-Brain CT Perfusion  
Xiaoguang Hao / Medical Imaging Dept., Tai Yuan City Centre Hospital

- C114** Measurement of Brain Activity in the Prefrontal Cortex of a Radiologist during Image Interpretation Using NRS  
Takashi Nihashi / Dept. of Radiology, Komaki City Hospital

★ : English Presentation

PROGRAM

13:50-14:18 (Poster Presentation Booth 2)

**23. Obstetrics/Gynecology 1: Miscellaneous**  
Kenji Matsuzaki

**C115** Quantitative Detection of Oxidative Stress to DNA in the Pathology of Endometriosis with MRI Correlation: A Preliminary Study  
Shota Tatsumoto / Dept. of Radiology, Nara Medical University

**C116** Clinical Significance of I-123 MIBG SPECT and MRI Fusion for Endometriosis Diagnosis  
Naoki Kan / Dept. of Radiology, Kansai Medical University

**C117** MRI Imaging Features of Adnexal Torsion: A Case Control Study  
Minako Suzuki / Dept. of Radiology, Fujisawa City Hospital

**C118** MRI Findings of Placental Invasion without Placenta Previa: Report of Seven Cases  
Satomi Kitai / The Jikei University School of Medicine

14:30-15:05 (Poster Presentation Booth 2)

**24. Obstetrics/Gynecology 2: Tumor**  
Junko Takahama

**C119** The Initial Experience of MR Imaging Texture Analysis of Cervical Cancer; The Comparison between SCC and Non-SCC  
Jun Tsukamoto / Dept. of Radiology, University of Occupational and Environmental Health

**C120** Utility of Histogram Analysis of Diffusion-Weighted MRI in the Evaluation of Histological Grade of Endometrial Cancer  
Kumi Harada / Dept. of Diagnostic Radiology, Japanese Red Cross Society Wakayama Medical Center

**C121** Endometrial Carcinoma: Texture Analysis of Apparent Diffusion Coefficient Maps and its Correlation with Histopathologic Findings and Prognosis  
Ichiro Yamada / Dept. of Diagnostic Radiology and Nuclear Medicine, Graduate School, Tokyo Medical and Dental University

**C122** Apparent Diffusion Coefficient Parameters of Endometrioid Adenocarcinoma: Effectiveness for Indicating Fertility Preservation Therapy  
Sakiko Kageyama / Dept. of Diagnostic Radiology, Tohoku University Graduate School of Medicine

**C123** Diagnostic Accuracy of 3.0-T Diffusion-weighted MRI in Patients with Uterine Carcinosarcomas: Assessment of Muscle Invasion and Lymphatic Metastasis  
Saki Tsuchihashi / Dept. of Radiology, Saitama Medical University Hospital

**April 14 (Sun.)**

9:10-9:45 (Poster Presentation Booth 1)

**25. Nuclear Medicine 1: CNS/Head and neck**  
Kazunari Ishii

**C124** Low-dose CT with the Iterative Reconstruction: A Primary Study in Head and Neck  
Tetsuro Sekine / Dept. of Radiology, Nippon Medical School

★ **C125** Dopamine Transporter Imaging with [123-I]FP-CIT SPECT: Techniques and Results  
Ba Duong Nguyen / Dept. of Radiology, Mayo Clinic Arizona

**C126** Assessment of SPECT-CT Fusion Images and Semiquantitative Evaluation of I-123 IMP-SPECT in Patients with Ocular Choroidal Melanoma  
Kana Yamazaki / Dept. of Molecular Imaging and Theranostics, National Institute of Radiological Sciences (NIRS)

**C127** Predicting Lymph Node Metastasis and Extranodal Spread with Multiparameter on F-18 FDG PET/CT in Patients with Head and Neck Squamous Cell Carcinoma  
Ryuichiro Fukuhara / Dept. of Radiology, Okayama University Medical School

★ **C128** Radiolabeled DOTA<sup>0</sup>-Tyr<sup>3</sup>-octreotate for Theragnosis of Follicular Thyroid Cancer in Mice  
Suman Shrestha / Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma University Graduate School of Medicine

10:00-10:21 (Poster Presentation Booth 1)

**26. Nuclear Medicine 2: Heart**  
Shigeki Nagamachi

**C129** Blood Sampling before FDG Injection Predicts Suppression of Physiological Myocardial Uptake in Patients with Cardiac Sarcoidosis  
Emiri Watanabe / Dept. of Radiology, Ehime University of Medicine

**C130** Diagnostic Impact of Blood Ketone Body Level for Predicting the Effect of Dietary Preparation during in FDG-PET/CT on Myocardial Physiological Accumulation Suppression  
Takahiro Ando / Dept. of Radiology, Nippon Medical School Hospital

**C131** Corrected Relative Flow Reserve Derived from N-13 Ammonia PET Combined with Coronary CT Angiography for Assessing Regional Ischemic Perfusion  
Naoto Kawaguchi / Dept. of Radiology, Ehime University School of Medicine

10:40-11:15 (Poster Presentation Booth 1)

**27. Nuclear Medicine 3: Miscellaneous**  
Yuji Nakamoto

**C132** Dynamic Study of 18FDG-PET/CT: Phantom Study and Clinical Trial on Sequential 192 Cases of Lung Cancer  
Eri Ouchi / Dept. of Radiology, Kameda Medical Center

**C133** Monitoring Tumor Response to Chemotherapy Using Diffusion-weighted Whole-body Imaging with Background Body Signal Suppression in Malignant Lymphoma  
Yumiko Kono / Dept. of Radiology, Kansai Medical University

★ **C134** 18F-FDG Uptake on Normal Appendiceal in Adult: PET/CT Evaluation  
Christopher Silman / Dept. of Radiology

**C135** A Reduced Uptake of Fluorodeoxyglucose in the Liver Caused by Hypoalbuminemia  
Yoichi Otomi / Dept. of Radiology, Tokushima University Hospital

★ **C136** <sup>99m</sup>Tc-DCM20 for Imaging of Rheumatoid Arthritis  
Trang Thuy Dam / Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma University

13:10-13:45 (Poster Presentation Booth 1)

**28. Cardiovascular 4: Vascular 1**

Munemasa Okada

- C137** Aorta Image Quality: Comparison between 120-kV CT with Moderate to High Concentrations of Contrast Material and 70-kV CT with Ultralow Concentrations of Contrast Material  
Takafumi Nomura / Dept. of Radiology, Yamaguchi University School of Medicine
- ★ **C138** The study of 80kv single tube voltage combined with new iterative reconstruction algorithm in aortic angiography scanning on metal artifacts reducing in children patients who undergone thoracotomy.  
Liu Xing / Dept. of Radiology, First Affiliated Hospital of Zhengzhou University
- ★ **C139** The Study on Variable Helical Pitch(VHP) Scan Mode in Aortic Angiography by Using 80 kV Tube Voltage with 320-detector-row CT Scanner (Aquilion ONE ViSION, Canon, Japan).  
Liu Xing / Dept. of Radiology, First Affiliated Hospital of Zhengzhou University
- ★ **C140** Application and Value of VHP Technology in CTA Imaging of Lower Extremity Artery  
Xing Jun / Orient Hospital
- ★ **C141** Evaluate the Changes of Renal Blood Flow Before and After Operation in Patients with Aortic Dissection: A Preliminary Study  
Liu dong Ting / Dept. of Radiology, Beijing Anzhen Hospital, Capital Medical University

14:00-14:35 (Poster Presentation Booth 1)

**29. Cardiovascular 5: Vascular 2** Eijun Sueyoshi

- ★ **C142** 320-row Volume CT Pulmonary Artery Imaging with Different Scanning Modes for Peripheral Pulmonary Artery Display  
Yuexiang Zhu / The First Affiliated Hospital of Hebei North University
- ★ **C143** Analysis of Distensibility Characteristics of Pulmonary Artery Using 640 Slice-Volume CT  
Dawei Wang / The First Affiliated Hospital of Hebei North University
- C144** The Quantitative Evaluation of Dual-energy CT in Postpartum Women: Comparison with Matched Women Suspected of Having Venous Thromboembolism  
Munemasa Okada / Dept. of Radiology, Yamaguchi University Hospital
- ★ **C145** The Distribution and Related Risk Factors of Lower Extremity Arterial Calcification in Patients with Peripheral Artery Disease  
Han Kun Yan / Dept. of Radiology, Shengjing Hospital of China Medical University
- ★ **C146** Correlation of Ankle Brachial Index with Lower Limb Arterial Doppler Sonography in Patients with Type 2 Diabetes Mellitus and Hypertension  
Akash Rajaram / Dept. of Radiology, M S Ramaiah Medical College

9:10-9:38 (Poster Presentation Booth 2)

**30. Emergency**

Ryo Takagi

- C147** Usefulness of Stretched Multi-Planner Reconstruction for Diagnosis of Rib Fractures  
Wataru Kitatsuji / Dept. of Radiology, South Nara Medical Center

- ★ **C148** Correlation between the Rate of Active Bleeding on CT with Mortality and Need of Blood Transfusion in Pelvic Trauma  
Akash Rajaram / Dept. of Radiology, M.S. Ramaiah Medical College

- ★ **C149** Application of Traumatic Brain CT: Protocol Design, Image Quality and Dose Reduction  
Mei Syue Chen / Dept. of Radiology, YANG-MING University Hospital, Taiwan

- ★ **C150** The Value of Head Computed Tomography Scanning for Assessing Concomitant Orbital Floor Fracture with Traumatic Brain Injury  
Chun Yi Lin / Dept. of Radiology, YANG-MING University Hospital, Taiwan

9:50-10:18 (Poster Presentation Booth 2)

**31. Uroradiology**

Jun Isogai

- C151** Radiological Ureter Invasion/thrombus in Renal Cell Carcinoma; Relationship with Venous Thrombus, Pathological Stage, and Clinical Outcome  
Atsushi Takamatsu / Dept. of Radiology, Kanazawa University Graduate School of Medical Sciences
- C152** Pelvic and Ureteral Wall Thickening in Renal Cell Carcinoma – the Prevalence, Cause and Clinical Significance -  
Mami Hamaoka / Dept. of Radiology, Kanazawa University School of Medicine
- C153** CT Urography Using an Ultra-high-resolution CT with a Model-based Iterative Reconstruction: An Initial Experience  
Atsushi Nakamoto / Dept. of Radiology, Osaka University Graduate School of Medicine
- C154** The Imaging Features of Paravesical Space Arteriovenous Malformation as a New Subgroup of Pelvic Vascular Anomaly: A Case Series and Literature Review  
Mitsuhiro Kishino / Dept. of Diagnostic Radiology, Tokyo Medical and Dental University

10:30-11:12 (Poster Presentation Booth 2)

**32. Head and Neck**

Hidetake Yabuuchi

- C155** Ultrasonography of IgG4-related Lacrimal and Salivary Gland Lesions: Imaging Features and Clinical Usefulness  
Takahiro Komori / Dept. of Radiology, Kanazawa University Graduate School of Medical Sciences
- C156** Retrolaminar Migration of Intraocular Silicone Oil Detected on CT Scan  
Koji Takumi / Dept. of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences
- C157** Usefulness of Turbo Spin Echo Diffusion-weighted Imaging for Evaluating Head and Neck Squamous Cell Carcinoma in Comparison with Echo-planar Imaging  
Hiroaki Nagano / Dept. of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences
- C158** Signal and Morphological Changes and Contrast Enhancement of the Endolymph in Patients with Vestibular Schwannoma on 3D FLAIR and 3D IR Imaging  
Iichiro Osawa / Dept. of Radiology, Saitama Medical University Hospital

## ★ : English Presentation

- ★ **C159** Evaluation of Adaptive Iterative Dose Reduction with Three Dimensional Processing and Filtered Back Projection in Conventional CT Examination of Neck  
Qiyun Hu / *Radiology Dept., Cancer Hospital of China Medical University, LiaoNing Cancer Hospital & Institute*
- ★ **C160** Low-dose CT with the Iterative Reconstruction: A Primary Study in Head and Neck  
Qiyun Hu / *Radiology Dept., Cancer Hospital of China Medical University, LiaoNing Cancer Hospital & Institute*

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13:10-13:38 (Poster Presentation Booth 2)

**33. Artificial Intelligence** Daisuke Kakihara

- C161** Generation of Medical Illustrations from T1WI and T2WI of the Brain Using Deep Learning  
Naoki Yoshioka / *Dept. of Radiology, International University of Health and Welfare*
- C162** Fully Automated Bezier Surface Reconstruction from Cervical Myelographic Computed Tomography Using Deep Learning  
Naoki Yoshioka / *Dept. of Radiology, International University of Health and Welfare*
- C163** Generation of Rotational Movies from Stereotactic MIP of Abdominal CT Using Deep Learning  
Naoki Yoshioka / *Dept. of Radiology, International University of Health and Welfare*
- C164** Initial Experience of the Construction of Prototype Artificial-intelligence Model Using a Small Dataset Collected by Image Search  
Munemura Suzuki / *SMIL. Co., Ltd*

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13:50-14:25 (Poster Presentation Booth 2)

**34. Miscellaneous** Akira Yamada

- C165** Influence of Radiation Dose and Iterative Reconstruction Algorithms for Volumetric Accuracy of Soft Tissue Nodule: A Phantom Study  
Shixing Bao / *Dept. of Radiology, Osaka University*
- C166** Angle Adjustment Function of Protective Eyewear: Efficacy in the Reduction of Scatter Radiation to the Eyes  
Masaaki Akahane / *Dept. of Radiology, International University of Health and Welfare*
- C167** Regional Left-ventricular Three-dimensional Maximum Principal Strain Measurements from Cardiac Computed Tomography in Patients with Normal LV Function  
Kazuki Yoshida / *Dept. of Radiology, Ehime University Graduate School of Medicine*
- C168** A Novel MRI Technique for the Visualization of Macrophages' Response to X-irradiation  
Masayuki Yamaguchi / *Division of Functional Imaging, NCC EPOC*
- C169** Possible Solution for the Problem of Unread Image Interpretation Reports: The Gunma University "Star Search"  
Yoshito Tsushima / *Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma University School of Medicine*