

# Oral Presentation Programs

## April 16 (Thu.)

15:00-15:50 (302)

### 1. Radiation Oncology 1: Miscellaneous

Hiroshi Igaki

- 001** Clinical usefulness of carbon-ion radiotherapy for recurrent breast cancer  
Kumiko Karasawa / *Research Center for Charged Particle Therapy, NIRS*
- 002** Myocardial changes on FDG-PET/CT after radiation therapy for esophageal cancer  
Masahiro Inada / *Dept. of Radiation Oncology, Kinki University Faculty of Medicine*
- 003** The outcome of reirradiation with curative intent: Analysis of 247 patients in 6 years  
Ryoongjin Oh / *Miyakojima iGRT Clinic*
- 004** FDG-PET predicts outcomes of treated painful bone metastasis following palliative radiotherapy  
Takatoshi Tahara / *Dept. of Radiology, Tottori University Faculty of Medicine*
- 005** The effect of two different compensation methods on dose distribution in low-dose total body irradiation  
Toshihiro Yamaguchi / *Department of Clinical Radiology, Graduate school of Medical Sciences, Kyushu University*

16:20-17:00 (302)

### 2. Breast 1: Diffusion

Yoshifumi Kuroki

- 006** Can ADC values predict regional lymph node metastases or distal metastases in breast cancer?  
Yasumasa Ohmori / *Dept. of Diagnostic Imaging, Chiba Cancer Center*
- 007** Diffusion tensor imaging of the breast: Correlations of ADC and FA values with prognostic markers of invasive breast cancer  
Ken Yamaguchi / *Dept. of Radiology, Saga University*
- 008** Non-Gaussian diffusion MRI in evaluation of early treatment effects during neoadjuvant treatment for breast cancer  
Mami Iima / *Dept. of Diagnostic Imaging and Nuclear Medicine, Kyoto University Graduate School of Medicine*
- 009** Diffusion kurtosis imaging at 3T MRI for invasive breast cancer: prediction of axillary lymph node metastasis  
Fumi Kato / *Dept. of Diagnostic and Interventional Radiology, Hokkaido University Hospital*

15:00-15:30 (303)

### 3. Chest 1: Tumor 1

Kiminori Fujimoto

- 010** Influence of Mathematical Model on Perfusion ADCT to Early Prediction of Recurrence in Non-Small Cell Lung Cancer Patients with Chemoradiotherapy  
Yoshiharu Ohno / *Advanced Biomedical Imaging Research Center, Kobe University Graduate School of Medicine*

- 011** Evaluation of lesions after lung SRBT on FDG PET/CT  
Satoru Takeuchi / *Dept. of Radiology, Niigata Cancer Center Hospital*

- 012** Postoperative paradoxical hypoventilation detected by xenon ventilation CT  
Masahiro Kobayashi / *Dept. of Radiology, Toho University Omori Medical Center*

15:30-16:30 (303)

### 4. Chest 2: Tumor 2

Masahiko Kusumoto

- 013** Evaluation of regression of GGNs using thin-section CT after long-term follow up of suspected cases of preinvasive lesion.  
Naoya Koizumi / *Dept. of Radiology, Niigata Cancer Hospital*
- 014** Analysis of computed tomography features of adenocarcinoma with epidermal growth factor receptor mutation  
Fumikazu Sakai / *Dept. of Diagnostic Radiology, Saitama International Medical Center, Saitama Medical University*
- 015** High-resolution computed tomography findings of primary lung cancer with cavity: a comparison between adenocarcinoma and squamous cell carcinoma  
Yoshie Kunihiro / *Dept. of Radiology, Yamaguchi University Graduate School of Medicine*
- 016** Functional imaging of lung cancer using contrast enhanced dual-energy CT: Dose iodine attenuation correlate with histopathology?  
Shingo Iwano / *Dept. of Radiology, Nagoya University Graduate School of Medicine*
- 017** Preliminary Experience of Chemical Exchange Saturation Transfer Imaging for Characterization of Thoracic Nodule and Mass based on MR-Based Molecular Information  
Yoshiharu Ohno / *Advanced Biomedical Imaging Research Center, Kobe University Graduate School of Medicine*
- 018** Comparison of Diagnostic Capability for N-Stage in NSCLC Patients among DWI using FASE Sequence, DWI using EPI Sequence and PET/CT  
Yoshiharu Ohno / *Advanced Biomedical Imaging Research Center, Kobe University Graduate School of Medicine*

15:00-15:30 (304)

### 5. Interventional Radiology 1: Image-guidance techniques

Norio Hongo

- 019** The utility of 4D-CTA in the pre-embolization planning of extracranial arteriovenous malformations  
Satomi Mine / *Dept. of Radiology, Nagasaki University Hospital*
- 020** Intentional preservation of circulation to the Adamkiewicz artery for the prevention of spinal cord ischemia after thoracic endovascular aneurysm repair  
Ryoichi Tanaka / *Dept. of Radiology, Iwate Medical University*

- 021** Robot-assisted Navigation System for CT-guided Percutaneous Adrenal Radiofrequency Ablation of Aldosterone-Producing Adenoma: Our Initial Experience in Hong Kong  
 CM Chu / *Department of Imaging and Interventional Radiology, Prince of Wales Hospital, The Chinese University of Hong Kong*

15:30-16:30 (304)

**6. Interventional Radiology 2: Ablation**

Osamu Ikeda

- 022** Radiofrequency ablation of lung tumor: A prospective multicenter study in Japan (JIROSG-0702)  
 Hideo Gobara / *Dept. of Radiology, Okayama University Hospital*
- 023** Radiofrequency ablation for lung oligometastasis from various primary cancers: An analysis of 138 patients.  
 Kenichi Omae / *Dept. of Radiology, Okayama University Medical School*
- 024** Radiofrequency ablation of lung tumors using a multitined expandable electrode: Does the electrode's array diameter affect local progression?  
 Hiroki Ihara / *Okayama University, Radiology*
- 025** Percutaneous CT fluoroscopy-guided radiofrequency ablation of unilateral aldosterone-producing adrenal adenomas with bipolar ablation system: Initial clinical experience  
 Kazumasa Seiji / *Dept. of Diagnostic Radiology, Tohoku University Hospital*
- 026** MR-guided percutaneous cryoablation of bilateral multiple renal tumor in von Hippel-Lindau patients  
 Tadasu Shimizu / *Dept. of Diagnostic and interventional radiology, KKR Tonan Hospital*
- 027** Altered iodine density of renal cell carcinoma by cryoablation: Evaluation with dual-energy CT  
 Mitsuko Yodoya / *Dept. of Radiology, Okayama University Medical School*

15:00-15:50 (311+312)

**7. Nuclear Medicine 1: Brain PET**

Hidehiko Okazawa

- 028** Basic examination of the quantitative analysis in dopamine transporter using <sup>123</sup>I striatum phantom and three head gamma camera system  
 Seiichiro Ota / *Radiology, Fujita Health University School of Medicine*
- 029** Correlation between visual assessments and SBR/AI on <sup>123</sup>I-FP-CIT SPECT  
 Akiyo Ishige / *Chiba University Hospital Dept. of Radiology*
- 030** Estimation of normal threshold values of summed Z-scores in the specified regions for Z sum analysis with voxel-based control database  
 Noriyuki Shuke / *Dept. of Radiology, Kushiro Kojinkai Memorial Hosp.*
- 031** Increased Pittsburgh Compound B accumulation in the white matter of Alzheimer brain.  
 Yuichi Wakabayashi / *Dept. of Radiology, Kinki University School of Medicine*

- 032** Evaluation of increased CBV on 15-Ogas PET in patients with severe ischemic cerebrovascular disease  
 Naomi Morita / *Dept. of Radiology, National Cerebral and Cardiovascular Center*

16:00-17:00 (311+312)

**8. Nuclear Medicine 2: Brain (others), head and neck**

Kimiteru Ito

- 033** Initial experience of C-11-Methionine PET/CT  
 Kazuyoshi Suga / *Dept. of Radiology, St. Hill Hospital*
- 034** Preliminary evaluation of retention index in Fluorine-18- $\alpha$ -Methyltyrosine dynamic PET study in brain tumors.  
 Hiroaki Yamada / *Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma University Graduate School of Medicine*
- 035** Correlation of <sup>11</sup>C-4DST and <sup>11</sup>C-MET uptake on PET with Ki-67 immunohistochemistry in newly diagnosed gliomas.  
 Kenichi Tanaka / *Dept. of Radiology Faculty of Medicine, Kagawa University*
- 036** FDG PET/contrast-enhanced CT as a post-treatment tool in head and neck carcinoma: Comparison with PET/non-contrast-enhanced CT and enhanced CT  
 Kazuhiro Kitajima / *Dept. of Radiology, Kobe University Graduate School of Medicine*
- 037** Hypoxic intensity and tumor burden measured by <sup>62</sup>Cu-ATSM-PET in head and neck cancer patients -Comparison of prognostic prediction with FDG-PET-  
 Tetsuya Tsujikawa / *BIRC, University of Fukui*
- 038** Comparison of <sup>131</sup>I uptake and serum thyroglobulin as clinical factors after <sup>131</sup>I ablation therapy  
 Binh Duong Duc / *Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma University*

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**9. Liver 1: Liver tumor and parenchyma**

Tomoaki Ichikawa

- 039** CT of cholangiocellular carcinoma component in combined hepatocellular and cholangiocarcinoma.  
 Hidetoshi Taguchi / *Dept. of Diagnostic Imaging, Chiba Cancer Center*
- 040** Gd-EOB-DTPA enhanced MRI findings of small scirrhous hepatocellular carcinoma  
 Toshihiro Yagi / *Dept. of Radiology, Kanazawa University Graduate School of medical science*
- 041** Computed Tomography and Magnetic Resonance Imaging Features of Lipid-rich Neuroendocrine Tumors of the Pancreas  
 Yoshihiko Fukukura / *Department of Radiology, Kagoshima University*
- 042** Heterogeneity of noncancerous liver parenchyma on EOB-MRI is a risk factor for hepatocellular carcinoma in chronic liver disease  
 Yoshiki Asayama / *Department of Clinical Radiology, Kyushu University*

- 043** Peritumoral liver parenchymal enhancement on Gd-EOB-DTPA-enhanced MRI in various liver tumors  
Keiji Matsunaga / Dept. of Diagnostic Radiology, Kitasato University School of Medicine

16:30-17:10 (301)

**10. Liver 2: Hepatocellular carcinoma**

Masahiro Okada

- 044** The correlation between Gd-EOB-DTPA enhanced MRI finding and hepatocyte nuclear factor (HNF) 4A expression in hepatocellular carcinoma  
Azusa Kitao / Dept. of Radiology, Kanazawa University Hospital
- 045** Prediction of the histological grade of hepatocellular carcinoma: quantitative comparisons among DW, T2W, and hepatobiliary phase of Gd-EOB-DTPA enhanced MRI  
Yoshihiro Iwasa / Dept. of Radiology, Tokyo Medical and Dental University, School of Medicine
- 046** Prognosis of hepatocellular carcinoma: correlation with signal intensity on gadoxetic acid enhanced MR images  
Tatsuya Shimizu / Dept. of Radiology, Univ. of Yamanashi
- 047** Intratumoral uptake of Gd-EOB as a predictor of response to hepatic arterial infusion chemotherapy with cisplatin in advanced hepatocellular carcinoma  
Yutaka Ishimaru / Dept. of Radiology, Nagasaki university Graduate School of Medicine

9:10-9:50 (302)

**11. Chest 3: Anatomy/technique**

Masahiro Yanagawa

- 048** Incidental malignancy on coronary CT, screening with low dose additional scan  
Masahide Nobuhara / Dept. of Radiology, Tenri hospital
- 049** Evaluation of the branching pattern of segmental pulmonary artery of the lingular segment of the left upper lobe using MDCT  
Mariko Ishimura / Dept. of Radiology, Faculty of Medicine, Kagawa University
- 050** Identification and evaluation of bronchial-to-pulmonary artery shunt of the patient with hemoptysis on the multi-phase-contrast-enhanced CT.  
Akira Nishiyama / Dept. of Radiology, Chiba University Hospital
- 051** Pulmonary MRI with Ultra-Short TE: Inter-Modality Agreements for Radiological Finding Assessments with Thin-Section MDCT in Various Pulmonary Disease Patients  
Yoshiharu Ohno / Advanced Biomedical Imaging Research Center, Kobe University Graduate School of Medicine

10:30-11:10 (302)

**12. Chest 4: Perfusion**

Ichiro Sakamoto

- 052** Histogram evaluation of lung perfused blood volume CT for acute pulmonary embolism.  
Munemasa Okada / Dept. of Radiology, Yamaguchi University Graduate School of Medicine

- 053** Volumetric evaluation of lung perfused blood volume at initial and following dual-energy CT.  
Munemasa Okada / Dept. of Radiology, Yamaguchi University Graduate School of Medicine

- 054** Modification of lung perfused blood volume using the relative volume of lung with lower-attenuation areas for acute pulmonary embolism  
Sei Nakao / Dept. of Radiology, Yamaguchi University Graduate School of Medicine

- 055** Association Between Confidence Level of Acute Pulmonary Embolism Diagnosis on CTPA Images and Clinical Outcomes  
Kanako Kumamaru / Dept. of Radiology, Harvard Medical School & Brigham and Women's Hospital

9:10-10:00 (303)

**13. Neuroradiology 1: MRA/vessel wall imaging**

Makoto Sasaki

- 056** Magnetic resonance angiography using silent scan after stent-assisted coil embolization for posterior circulation aneurysms  
Ryusuke Irie / Department of Radiology, Juntendo University Hospital
- 057** Value of fast noncontrast dynamic MRA using a CINEMA-STAR technique in assessing collaterals of stenocclusive disease of major intracranial arteries  
Motonori Kokan / Dept. of Radiology, Tokyou Teishin Hospital
- 058** Intracranial vessel wall imaging in stenocclusive lesions of the anterior circulation using a T1-weighted black-blood 3D-TSE sequence  
Kazuhiro Tsuchiya / Dept. of Radiology, Tokyo Teishin Hospital
- 059** ZOOMit T1 SPACE dark blood imaging in cerebral artery dissection: A comparative study with time-of-flight MRA and spin echo T1WI  
Mami Nishioka / Dept. of Radiology, Tenri Hospital
- 060** Role of MRA for cerebral venous sinus thrombosis in asymptomatic cases to prevent advanced venous congestion.  
Yoshitaka Sato / Dept. of Radiology, JMA Ebina General Hospital

10:30-11:10 (303)

**14. Neuroradiology 2: Arterial spin labeling**

Takashi Yoshiura

- 061** Influence of transit time correction depending on aging in normal subjects for blood flow values measured by 3DASL  
Masafumi Harada / Department of Radiology, University of Tokushima
- 062** Reliability and Reproducibility of Arterial Transit Time Corrected Whole-Brain Pseudo-Continuous Arterial Spin Labeling  
Kazunobu Tsuji / Dept. of Radiology, University of Fukui
- 063** Evaluating the pattern of ASL map can predict severe hemodynamic impairment determined by 150-PET in patients with cerebrovascular stenocclusive disease  
Atsushi Umetsu / Dept. of Radiology and Nuclear Medicine, Akita Research Institute of Brain and Blood Vessels

- 064** Changes in CBF on ASL perfusion imaging at different labeling delay times in intracranial tumors  
Arisa Ohara / Dept. of Radiology, Kyorin University Faculty of Medicine

15:10-16:00 (303)

**15. Interventional Radiology 3: Biopsy/drainage**  
Shuji Kariya

- 065** Verifying the usability of the suction semi-automatic core needle biopsy system (STERICUT) for CT-guided lung biopsy  
Taichi Kurose / Dept. of Diagnostic Radiology, Hiroshima Prefectural Hospital
- 066** Evaluation of image guided needle biopsy in the diagnosis of septic discitis  
Yasufumi Ohuchi / Dept. of Radiology, Tottori University School of Medicine
- 067** Factors affecting the success rate of ultrasound guided fine needle aspiration cytology (FNAC) on thyroid nodules  
Chi Yan Lee / Department of Radiology, Tuen Mun Hospital
- 068** Internalization of percutaneous transhepatic biliary drainage-What are the factors predicting its success  
Siu Ting Leung / Department of Radiology, Pamela Youde Nethersole Eastern Hospital
- 069** Diagnostic performance of image-guided core needle biopsy of bone and soft tissue tumors-A study of 370 patients  
Shan Shan Cheng / Department of Radiology and Imaging, Queen Elizabeth Hospital

16:30-17:30 (303)

**16. Interventional Radiology 4: Aneurysm/stent/PTA**  
Tetsuya Fukuda

- 070** Perioperative and mid-term results of thoracic endovascular aneurysm repair using the Najuta endograft  
Shinichi Iwakoshi / Dept. of Radiology, Nara medical university
- 071** Mid-term clinical outcomes after elective endovascular aneurysmal repair of abdominal aortic aneurysms  
Soichiro Hase / Department of Interventional Radiology, Kawasaki Saiwai Hospital
- 072** Intra-sac hyperdense sign on plain CT after EVAR: Relationship with aneurysmal sac expansion  
Akira Ikoma / Dep. of Radiology, Wakayama Medical University
- 073** Embolization using Azur for the internal iliac artery before endovascular aneurysm repair for AAA.  
Takuji Araki / Dept. of Radiology, University of Yamanashi
- 074** Intraoperative fibrin glue embolization of aneurysm sac for preventing type II endoleak after EVAR  
Kensuke Matsumoto / Dept. of Radiology, Tottori University Faculty of Medicine
- 075** Clinical experience of the Crosser system in hemodialysis patients with critical limb ischemia  
Tomoyasu Sato / Dept. of Radiology, Tsuchiya general hospital

9:10-10:10 (304)

**17. Nuclear Medicine 3: Lung** Tadaki Nakahara

- 076** Cross-Sectional Lung Ventilation-Perfusion Imbalance in Pulmonary Hypertension on Automated V/Q Quotient SPECT  
Kazuyoshi Suga / Dept. of Radiology, St. Hill Hospital
- 077** Evaluation of COPD using quantitative indicator of pulmonary perfusion scintigraphy SPECT (SPECT): Comparison with lung cancer patients  
Osamu Mitomo / Dept. of Radiology, NHO Numata Hospital
- 078** Clinical evaluation of continuous bed motion scanning in positron emission tomography in oncologic patients with abnormal pulmonary lesions  
Masahiro Endo / Div. of Diagnostic Radiology, Shizuoka Cancer Center
- 079** Clinical characteristics of pulmonary pleomorphic carcinoma on FDG PET/CT.  
Kana Ide / Dept. of Radiology, Ehime University School of Medicine
- 080** Evaluation of prognosis of lung cancer using PET/CT  
Fumiyasu Tsushima / Dept. of Radiology, Hirosaki University Graduate School of Medicine
- 081** Prognostic value of metabolic parameters in patients with non-small cell lung cancer determined by 18F-FAMT-PET/CT  
Soma Kumasaka / Department of Diagnostic Radiology and Nuclear Medicine, Gunma University

10:20-11:10 (304)

**18. Nuclear Medicine 4: Cardiac**  
Kenji Fukushima

- 082** Comparison of three different cardiac SPECT analysis software (QGS, cardioRepo and Heart Score View )  
Keiichiro Yamaguchi / Dept. of Radiology, Sendai Kousei Hospital
- 083** Fusion Bull's eye: fusion image display using MPI SPECT and coronary CTA  
Tadaki Nakahara / Dept. of Radiology, Keio University School of Medicine
- 084** Prognostic value of myocardial perfusion SPECT using intravenous bolus administration of nicorandil in patients with acute ischemic heart failure  
Yoshimitsu Fukushima / Dept. of Radiology, Nippon Medical School Hospital
- 085** PET/CT Quantification of Myocardial F-18 FDG Uptake for Detection of Cardiac Sarcoidosis using a ROC Analysis  
Rami Yokoyama / Dept. of Radiology, Ehime University Graduate School of Medicine
- 086** Detection of cardiac sarcoidosis using F-18 FLT PET  
Takashi Norikane / Department of Radiology, Faculty of Medicine, Kagawa University

11:20-11:50 (304)

**19. Nuclear Medicine 5: Liver and pancreas**

Masao Miyagawa

- 087** Effects of TOF and PSF on the detection of small-sized intrahepatic hypermetabolic lesions with FDG PET/CT: a phantom study  
Yu Iwabuchi / Dept. of Radiology, Keio University School of Medicine

- 088** Comparison of ADC on DW-MRI and SUV on FDG-PET/CT in liver metastasis from colorectal cancer.  
Kohei Hosokawa / Dept. of Diagnostic Radiology, National Hospital Organization Shikoku Cancer Center

- 089** Association between prognosis and FDG-PET parameters, ADC of MRI and oncogenes expression in pancreas malignant tumor  
Shigeaki Nagamachi / Dept. of Radiology, Miyazaki University School of Medicine

15:10-16:00 (304)

**20. Obstetrics/Gynecology 1: Uterus**

Izumi Imaoka

- 090** High-intensity focused ultrasound ablation treatment for uterine fibroids: relationship between the therapeutic effects and the features of MRI  
Lizhong Jia / Dept. of Radiology, Kunming Medical University

- 091** Uterine Cervical Multiple Cystic Mass Suspected Lobular Endocervical Glandular Hyperplasia; MRI Findings and Its Clinical Outcome  
Junko Takahama / Dept. of Radiology, Nara Medical University

- 092** Utility of MRI in differentiation of type I and type II endometrial cancer: Comparison of MRI and endometrial biopsy.  
Tomoko Manabe / Dept. of Diagnostic Radiology, National Cancer Center

- 093** MR imaging appearance and signal intensity of uterine endometrium in luteal-phase compared with that in periovulatory-phase and endometrial cancer  
Fuki Shitano / Dept. of Diagnostic Imaging and Nuclear Medicine, Graduate School of Medicine, Kyoto University

- 094** Evaluation of endometrial lesion in FOCUS-DWI: Preliminary study using synthetic DWI  
Motoyuki Katayama / Dept. of Radiology, Seirei Hamamatsu General Hospital

10:10-11:00 (311+312)

**21. Informatics (IT, education)**

Yutaka Ando

- 095** Development of a dedicated scheduler for IVR management  
Nobuya Higuchi / Radiology, Tokyo Medical Center, National Hospital Organization

- 096** Development of a system for selecting and distributing DICOM images using the access log information  
Naoki Mihara / Dept. of Medical Informatics, Osaka University Graduate School of Medicine

- 097** Consideration of reliability in the diagnosis of acute ischemic cerebrovascular disorders in iPad  
Hidekazu Hattori / Department of Radiology, Fujita Health University of Medicine, Toyooka, Japan

- 098** Futuristic use of digital medical images with mobile devices  
Kota Ishikawa / Yumemido Incorporated

- 099** Diagnostic Radiology Consultation Services: 8-year experience  
Hiroaki Onaya / Radiology Consultation, Dept. of Medical Support and Partnership, NCC

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

**22. Cardiovascular 1: MRI**

Yasuo Amano

- 100** Initial Clinical Experience with Cardiac MRI for Patients with MRI-Conditional Cardiac Implantable Electronic Devices  
Toshiya Kariyasu / Dept. of Radiology, Kyorin University School of Medicine

- 101** Target volume coronary MRA revisited: Usefulness of non-rigid reregistration of multi-frame 3D MRA acquisitions at 3T  
Masaki Ishida / Department of Radiology, Mie University Hospital

- 102** Evaluation of obstructive coronary artery disease with high-grade coronary calcification: Subtraction CT angiography vs. MR angiography  
Makoto Amanuma / Dept. of Radiology, Takase Clinic

- 103** Free-breath real-time cardiac cine MR for evaluation of left ventricular function  
Tomoyuki Kido / Dept. of Radiology, Saiseikai Matsuyama Hospital

- 104** Using cardiac MRI to select patients with severely impaired left ventricular ejection fraction for CABG  
Shoen Low / Department of Diagnostic Radiology, Singapore General Hospital

- 105** Native T1 mapping in patients with dilated cardiomyopathy for the assessment of diffuse myocardial fibrosis: validation against histologic endomyocardial biopsy  
Yoshitaka Goto / Dept. of Radiology, Mie University Hospital

9:10-9:50 (313+314)

**23. Musculoskeletal 1: MRI**

Mamoru Niitsu

- 106** MRI evaluation of ligamentum teres  
Mitsuharu Tamakawa / Dept. of Diagnostic Radiology, Sapporo Medical University School of Medicine

- 107** MR Imaging of the Iliotibial Tract and Anterior oblique band  
Takenori Yonenaga / Dept. of Radiology, The Jikei University School of Medicine

- 108** Impaired response of muscle blood flow in young smokers during post-occlusive reactive hyperemia assessed by dynamic BOLD MRI  
Atsushi Kono / Div. of Radiology, Kobe University Hospital

- 109** EVALUATION OF INJURED SPINAL CORD TRACT INTEGRITY BY DIFFUSION TENSOR IMAGING  
Ashish Verma / Department of Radiodiagnosis and Imaging and, Orthopedics\*, Institute of Medical Sciences, Banaras Hindu University

15:40-16:20 (313+314)

**24. Uroradiology 1: MRI** Kazuhiro Katahira

- 110** The usefulness of tissue-specific variable refocusing flip-angle in 3-dimensional turbo spin echo T2-weighted imaging for prostate cancer at 3 tesla  
Utaru Tanaka / *Department of Radiology, Kobe University Graduate School of Medicine*
- 111** Utility of high b value diffusion-weighted magnetic resonance imaging at 3-T for prediction of extracapsular extension in prostate cancer  
Tsutomu Tamada / *Dept. of Radiology, Kawasaki Medical School*
- 112** Evaluation of preoperative tumor invasion of urinary bladder cancer in FOCUS-DWI compared with that in conventional FOV DWI  
Motoyuki Katayama / *Dept. of Radiology, Seirei Hamamatsu General Hospital*
- 113** dsZOOM 3DbTFE MR angiography for visualizing adrenal veins; comparison with thin-slice MDCT  
Ayako Morita / *Dept. of Radiology, Fukuoka University School of Medicine*

11:00-11:40 (315)

**25. Gastrointestinal 1: CT** Kensaku Shimizu

- 114** Comparison of degree of colorectal distention in hysterectomy with manual air insufflation or automated CO<sub>2</sub> CT colonography  
Hidenori Kanazawa / *Dept. of Radiology, Jichi Medical University*
- 115** Quantitative evaluation of basal indentation on CT air-contrast enema in depth diagnosis for early colorectal cancer: A feasibility study  
Mitsutoshi Miyasaka / *Dept. of Clinical Radiology, Graduate School of Medical Sciences, Kyushu University*
- 116** Characteristics of colitis as detected by endoscopy and computed tomography in Mongolia  
Tuvshinjargal Dashjamts / *Department of Radiology, Ulaanbaatar Songdo Hospital, Mongolian National Medical University, School of Medicine*
- 117** Preoperative local staging of colorectal carcinoma in Mongolian patients using contrast enhanced multidetector computed tomography  
Orkhon Gombosuren / *Department of Radiology, Ulaanbaatar Songdo Hospital*

15:10-15:50 (315)

**26. Breast 2: MRI** Hiroko Kawashima

- 118** Evaluation of fibrosis in breast cancer: Correlations between signal intensity on T2-weighted images and clinical findings including body mass index  
Roka Namoto Matsubayashi / *Breast Care Center and Dept. of Radiology, National Kyushu Medical Center*
- 119** Unique imaging findings of rare breast diseases: Comparison with the detailed pathologic findings  
Roka Namoto Matsubayashi / *Breast Care Center and Dept. of Radiology, National Kyushu Medical Center*
- 120** Evaluation of lesion morphology of breast tumors on dynamic contrast-enhanced MRI: Comparison between different temporal resolution protocols  
Matakazu Furukawa / *Dept. of Radiology, Yamaguchi University Graduate School of Medicine*

**121** Real-time virtual sonography (RVS) examination and biopsy for breast lesions detected initially on MRITakayoshi Uematsu / *Dept. of Breast Imaging/Breast Intervention Section, Shizuoka Cancer Center*

16:00-16:50 (315)

**27. Breast 3: Tomosynthesis and others**

Eriko Tohno

- 122** Initial experience with Full Field Digital Mammography combined with Digital Breast Tomosynthesis in the screening environment  
Tamiko Yoshida / *Dept. of Radiology, Kameda Kyobashi Clinic, Dept. of Radiology, Nippon Medical School*
- 123** The diagnostic performance of digital breast tomosynthesis  
Tokiko Endo / *Dept. of Breast Treatment, NHO Higashi Nagoya National Hospital*
- 124** Diagnostic usefulness of Digital Breast Tomosynthesis (DBT) for Invasive Lobular Carcinoma (ILC)  
Mari Kikuchi / *Dept of Diagnostic Radiology, National Cancer Center Hospital*
- 125** Feasibility of [F-18]FDG-PET/CT for Clinicopathological Evaluation in Patients with Ductal Carcinoma In-Situ (DCIS) of the Breast  
Tomoyuki Fujioka / *Dept. of Radiology, Tokyo Medical and Dental University Hospital*
- 126** Diagnostic performance of breast cancer on digital mammography: Comparison between 4k high-resolution display monitor and 5-megapixel liquid crystal display monitor  
Ryusuke Murakami / *Dept. of Radiology, Nippon Medical School*

10:10-10:50 (Annex Hall F205+206)

**28. Radiation Oncology 2: Female pelvis**

Takafumi Toita

- 127** Clinical trial of prophylactic extended-field carbon-ion radiotherapy for locally advanced uterine cervical cancer (Protocol 0508)  
Masaru Wakatsuki / *Research Center Hospital for Charged Particle Therapy, National Institute of Radiological Sciences*
- 128** Definitive radiotherapy for primary vaginal cancer: correlation between treatment patterns and recurrence rate  
Fumiaki Isohashi / *Department of Radiation Oncology, Osaka University Graduate School of Medicine*
- 129** Assessment of parametrial regression in Stage IIB and IIIB cervical cancer patients treated with image guided adaptive brachytherapy in EMBRACE  
Kenji Yoshida / *Division of Radiation Oncology, Kobe University/Medical University of Vienna*
- 130** The efficacy and safety of estrogen drug administration during definitive radiotherapy for menopausal patients with uterine cervical cancer  
Goro Kasuya / *Dept. of Radiology, University of the Ryukyus*

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9:10-9:50 (301)

**29. Liver 3: Dose reduction, low kV CT**

Katsuyoshi Ito

- 131** Reduced Radiation-dose Liver CT Images Reconstructed by Adaptive Iterative Dose Reduction 3D for Living Donor Transplantation  
Morikatsu Yoshida / *Dept. of Diagnostic Radiology, Graduate School of Life Sciences, Kumamoto University*
- 132** The Iodine Dose Minimally Required for the Detection of Hypervascular Hepatocellular Carcinoma at 80-kVp CT  
Satoshi Goshima / *Department of Radiology, Gifu University Hospital*
- 133** Low-tube-voltage liver dynamic CT with low-iodine-dose in thine adult patients; search for minimum iodine dose  
Hiroyuki Morisaka / *Department of Radiology, University of Yamanashi*
- 134** Possibility of the detection of X-ray negative gallstones with Dual Energy CT  
Hajime Kiyuna / *Dept. of Radiology, Nippon Medical School*

16:00-16:50 (301)

**30. Liver 4: Techniques**

Akihiro Nishie

- 135** Pretreatment CT Assessment of Patients with Hepatocellular Carcinoma: Optimization of Bolus Tracking Technique for Tumor Diagnosis and Visualization of Artery  
Takeshi Yoshikawa / *Advanced Biomedical Imaging Research Center, Kobe University Graduate School of Medicine*
- 136** Hepatobiliary phase images of Gadoxetate-enhanced MRI of the liver: Comparison among 6 different 3DT1WI  
Yoshinobu Shinagawa / *Dept. of Radiology, Fukuoka University School of Medicine*
- 137** Abdominal Computed Diffusion-Weighted Images at 3T-MRI  
Takeshi Yoshikawa / *Advanced Biomedical Imaging Research Center, Kobe University Graduate School of Medicine*
- 138** Evaluation of Time-SLIP Non-Contrast MR Hepatic Arteriography in Comparison with Contrast-Enhanced CT Arteriography  
Takeshi Yoshikawa / *Advanced Biomedical Imaging Research Center, Kobe University Graduate School of Medicine*
- 139** Evaluation of hepatocellular carcinoma using fluorescence diffuse optical tomography in streptozotocin-induced HCC model mice.  
Shigeru Kiryu / *Department of Radiology, Institute of Medical Science, University of Tokyo*

11:10-11:50 (302)

**31. Radiation Oncology 3: Head and neck 1**

Takeshi Kodaira

- 140** Outcome of chemoradiotherapy for oropharyngeal squamous cell carcinoma  
Yoshiaki Takagawa / *Dept. of Radiology, Kawasaki Municipal Hospital*

- 141** Nodal level involvement in patients with hypopharyngeal carcinoma  
Akiko Semba / *Dept. of Radiation Oncology, Kumamoto University Hospital*

- 142** Initial experience of combined treatment of radiotherapy with cetuximab for head and neck cancers  
Shuri Aoki / *Department of Radiology, Teikyo University Hospital*

- 143** Prognostic value of SUVmax in FDG-PET for patients with nasopharyngeal cancer treated with chemoradiotherapy  
Keiichi Jingu / *Department of Radiation Oncology, Tohoku University Graduate School of Medicine*

9:10-9:50 (303)

**32. Neuroradiology 3: Functional neuroimaging 1**

Yasuyuki Taki

- 144** Utility of T1-weighted imaging with a real-time prospective motion correction using image-based tracking (PROMO): evaluation using voxel-based morphometry (VBM) analysis  
Keita Watanabe / *Department of Radiology, University of Occupational and Environmental Health School of Medicine*
- 145** Her versus his insomnia: sex differences in gray matter density  
Honghan Gong / *Department of Radiology, the First Affiliated Hospital of Nanchang University*
- 146** Reliable spontaneous activity and behavior associated with sleep deprivation  
Honghan Gong / *Department of Radiology, the First Affiliated Hospital of Nanchang University*
- 147** Altered Mesocorticolimbic Functional Connectivity in Sleep-deprived Brain  
Honghan Gong / *Department of Radiology, the First Affiliated Hospital of Nanchang University*

10:20-11:10 (303)

**33. Neuroradiology 4: Functional neuroimaging 2**

Masafumi Harada

- 148** Frequency-dependent Changes of Local Resting Oscillations in Sleep-deprived Brain  
Honghan Gong / *Department of Radiology, the First Affiliated Hospital of Nanchang University*
- 149** Decreased regional homogeneity in patients with acute mild traumatic brain injury: a resting-state fMRI study  
Honghan Gong / *Department of Radiology, the First Affiliated Hospital of Nanchang University*
- 150** Large scale brain networks disruption in unilateral-lesioned thalamus  
Lei Gao / *Department of Radiology, the First Affiliated Hospital of Nanchang University*
- 151** Microstructural Changes Related to the Cardiac Sympathetic Activity in Parkinson's Disease: DTI and VBM analyses  
Kazufumi Kikuchi / *Department of Clinical Radiology, Graduate School of Medical Sciences, Kyushu University*

- 152** Daily carnosine and anserine supplementation alters resting state network connectivity and working memory in healthy adults  
Jaroslav Rokicki / *Integrative Brain Imaging Center, National Center of Neurology and Psychiatry*

13:30-14:20 (303)

**34. Obstetrics/Gynecology 2: Pregnancy, ovary**  
Ikuo Joja

- 153** Diagnostic accuracy of MRI findings in placenta accreta  
Ayumi Nitta-Seko / *Dept. of Radiology, Shiga University of Medical Science*
- 154** Non-dilated gestational sac in early ectopic pregnancy: MR imaging and clinical conditions.  
Takahiro Yamamoto / *Dept. of Radiology, Aichi Medical University Hospital*
- 155** Diagnostic value of MRI in cesarean scar pregnancy  
Tusufuhan Yeerner / *Imaging Center, The Second Affiliated Xinjiang Medical University*
- 156** Usefulness of T2 star (T2\*) MR imaging in the differentiation of Ovarian Torsion  
Nobuyuki Kawai / *Dept. of Radiology, Gifu University Hospital*
- 157** Apparent diffusion coefficient measurement in ovarian tumor: Effect of region-of-interest methods on ADC values and diagnostic ability  
Naoko Mukuda / *Division of Radiology, Department of Pathophysiological and Therapeutic Science, Faculty of Medicine, Tottori University*

9:10-9:50 (304)

**35. Cardiovascular 2: Myocardium**  
Kenichi Yokoyama

- 158** Myocardial blood flow decreased in the territory of stenosed coronary arteries demonstrated by dynamic stress CT perfusion imaging  
Atsushi Kono / *Div. of Radiology, Kobe University Hospital*
- 159** Diagnostic Accuracy of Enhancement Ratio of Myocardium to Aorta derived from dynamic computed tomography perfusion image  
Yuki Tanabe / *Department of Radiology Ehime University Graduate School of Medicine*
- 160** Diagnostic Accuracy of Endocardial-to-Epicardial Myocardial Blood Flow Ratio for Detecting Significant Coronary Artery Disease with Dynamic Myocardial Perfusion Dual-Source CT  
Yoshitaka Goto / *Dept. of Radiology, Mie University Hospital*
- 161** Reproducibility and Age-related Change of CT Measurement of Myocardial Extracellular Volume.  
Yoshie Kurita / *Dept. of Radiology, Mie University School of Medicine*

11:00-11:40 (304)

**36. Uroradiology 2: CT, PET/CT** Yuji Watanabe

- 162** ALK inhibitor-associated renal cysts  
Hiroshi Kawada / *Department of Diagnostic and Interventional Radiology, Aichi Cancer Center Hospital*

- 163** Distinguishing adrenal adenomas from non-adenomas by dual-energy CT analysis: Comparison with single energy CT and chemical shift MR imaging  
Koji Takumi / *Department of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences*

**164** The Characteristic findings of FDG-PET/CT in adrenal gland

Yasuhiro Ueno / *Dept. of Radiology, Kansai Medical University*

- 165** Quantitative evaluation of organ atrophy after molecular-targeted therapy  
Hiroaki Takahashi / *Dept. of Diagnostic Radiology, Tsukuba University School of Medicine*

13:30-14:10 (304)

**37. Neuroradiology 5: Tumor** Toshiaki Taoka

- 166** Differentiating high-grade from low-grade gliomas by intravoxel incoherent motion MRI  
Osamu Togao / *Dept. of Clinical Radiology, Graduate School of Medical Sciences, Kyushu University*
- 167** The measurement of 2-hydroxyglutarate by using short TE MRS in CNS neoplasms: preliminary result  
Takashi Abe / *Institute of Health Biosciences The Tokushima University Graduate School*
- 168** Comparison of Leakage corrected DSC Enhanced Perfusion MRI parameters in Glioma  
Delgerdalai Khashbat / *Department of Radiology, The University of Tokushima*
- 169** 18FDG-PET-CT and MRI at clinical presentation of neurolymphomatosis  
Eri O'uchi / *Dept. of Radiology, Kameda Medical Center*

14:50-15:50 (304)

**38. Pediatric** Hiroko Hara

- 170** Absence of pseudo-normalization on diffusion-weighted image of term neonates suffering hypoxic-ischemic encephalopathy  
Katsumi Hayakawa / *Dept. of Radiology, Redcross Kyoto Daichi Hospital*
- 171** Normal size of intracranial optic nerve of neonates at term-equivalent age, evaluated by MRI  
Jun Oyama / *Department of Radiology, Tsuchiura Kyodo General Hospital*
- 172** Radiological evaluation of myelination in pediatric patients with silent MRI scan: Comparison with conventional MRI scan  
Chisato Matsuo / *Dept. of Radiology, Osaka University Graduate School of Medicine*
- 173** Role of Diffusion Weighted Imaging (DWI) and Apparent Diffusion Coefficient (ADC) in acute encephalitis of pediatric patients  
Amit K. Verma / *Department of Radiology, GB Pant Hospital & Maulana Azad Medical College (MAMC)*
- 174** Model-based iterative reconstruction for fetal CT: Achieving the lowest CT dose for prenatal diagnosis of bone dysplasia - Technical innovation  
Osamu Miyazaki / *Dept. of Radiology, National Center for Child Health and Development*

- 175** T1-weighted PETRA for the airway structures in neonates and early infancy: A preliminary study.  
Kumiko Nozawa / Dept. of Radiology, Kanagawa Children's Medical Center

9:10-9:50 (311+312)

**39. Head and Neck 1: MRI** Takao Kodama

- 176** Visualization of middle ear ossicles by ultra-short echo time imaging in elder subjects  
Shinji Naganawa / Dept. of Radiology, Nagoya University Graduate School of Medicine
- 177** Thyroid imaging on fetal MRI  
Yusuke Kawanaka / Department of radiology, Hyogo College of Medicine
- 178** Assessment of TBF and its correlation with histopathologic features in Warthin tumors and pleomorphic adenomas by using pseudo-continuous ASL images  
Tatsuya Yamamoto / Dept. of Radiology, University of Fukui
- 179** MRI findings of extraocular muscles are of value in predicting early clinical outcome of oculomotor disturbance due to Graves' ophthalmopathy  
Maki Onodera / Dept. of Diagnostic Radiology, Sapporo Medical University

13:00-14:10 (311+312)

**40. Interventional Radiology 5: Neurointervention** Hiro Kiyosue

- 180** Carotid artery stenting with Mo.Ma Ultra - Evaluation of flow dynamic state and pressure gradient-  
Kaoru Myouchin / Department of Radiology and Interventional Neuroradiology, Ishinkai Yao General Hospital
- 181** Can antiplatelet therapy be terminated after Enterprise stent-assisted cerebral aneurysm coiling?  
Katsutoshi Takayama / Department of Radiology and Interventional neuroradiology, Ishinkai Yao General Hospital
- 182** Diagnostic accuracy of magnetic resonance angiography following coil embolization with the Enterprise stent for cerebral aneurysm  
Takeshi Wada / Dept. of Radiology, Nara Medical University
- 183** Intra-arterial infusion chemotherapy for advanced head and neck cancers: Effectiveness of superselective intra-arterial computed tomographic angiography  
Takeshi Wada / Dept. of Radiology, Nara Medical University
- 184** Advanced or recurrent chemoresistant head and neck cancer responding to multidisciplinary palliative treatment.  
Joichi Heianna / Dept. of Radiology, Ryukyus University School of Medicine
- 185** Interventional Neuroradiology for the Galenic Venous Malformation and Dilatation-Genetics, Embryology, Therapeutic decision, Intervention, and Result-  
Yuo Iizuka / Dept. of Radiology, Toho University School of Medicine

- 186** A prototype of simplified radiation-dose mapping system for the neuro-intervention performed with a bi-plane flat-panel detector digital angiography system

Morio Nagahata / Department of Diagnostic and Interventional Neuroradiology

14:30-15:10 (311+312)

**41. Interventional Radiology 6: Embolization (bleeding)** Takuji Araki

- 187** Transcatheter arterial embolization for high-energy trauma  
Masaki Ishikawa / Dept. of Diagnostic Radiology, Hiroshima University
- 188** Radiological evaluation of safety and risk of transcatheter arterial embolization for acute lower gastrointestinal hemorrhage with N-butyl-2-cyanoacrylate (NBCA)  
Mika Kodani / Dept. of Radiology, Tottori University School of Medicine
- 189** Clinical evaluation of transcatheter arterial embolization for retroperitoneum bleeding  
Naoki Kan / Department of radiology, Kansai Medical University
- 190** Transcatheter arterial embolization for renal bleeding or pseudoaneurysm after partial nephrectomy  
Daisuke Abo / Dept. of Diagnostic and Interventional Radiology, Hokkaido university hospital

15:20-16:00 (311+312)

**42. Interventional Radiology 7: Embolization (miscellaneous)** Masamichi Koganemaru

- 191** Coil Embolization for Splenic Artery Aneurysms.  
Teruyoshi Oda / Radiology, Tenri Hospital
- 192** Strategically embolization combined with 3D, Bioactive, and Fibered coils for intra-abdominal aneurysms  
Hiroki Okuda / Dept. of Radiology, School of Medicine, Sapporo Medical University
- 193** Embolization of arteriovenous malformation; the utility of microballoon  
Hiroyasu Fujiwara / Dept. of Radiology, Okayama University Hospital
- 194** Histopathologic differences of experimental aneurysms treated with bare, fibered, and PGLA microcoils.  
Yoko Usami / Dept. of Radiology, Sapporo Medical University School of Medicine

9:40-10:10 (313+314)

**43. Musculoskeletal 2: CT** Hajime Fujimoto

- 195** Atypical bone cyst, it is difficult to diagnose accurately.  
Hajimu Goto / Dept. of Radiology, Kobe University School of Medicine
- 196** Trabecular bone analysis with tomosynthesis in diabetic patients: comparison with CT-based finite-element method  
Masami Fujii / 1) Dept. of Radiology, University of Occupational and Environmental Health School of Medicine

- 197** The clinical significance of Sander's classification of intraarticular calcaneal fractures in terms of pain duration after non-operative management.  
WCS Chan / *Department of Radiology, Tuen Mun Hospital*

9:10-10:10 (315)

**44. Interventional Radiology 8: Intra-arterial chemotherapy and others** Yoshitaka Inaba

- 198** The tunnel-shaped shield for the operator during computed tomographic fluoroscopy-guided interventional procedures  
Miyuki Nakatani / *Dept. of Radiology, Kansai Medical University*
- 199** Treatment outcome of selective arterial infusion chemotherapy with radiotherapy for bladder cancer in our hospital  
Hiroki Okada / *Department of Radiology, University of Yamanashi*
- 200** Efficacy of postoperative adjuvant liver-perfusion chemotherapy for resectable pancreatic cancer: result from 121 patients  
Toshihiro Tanaka / *Dept. of Radiology, IVR Center, Nara Medical University*
- 201** Treatment results of negative-balance isolated pelvic perfusion for endometrial cancer  
Fumie Sugihara / *Dept. of Radiology, Nippon Medical School*
- 202** Effects and complications of continuous regional arterial infusion therapy for severe acute pancreatitis in our hospital  
Izumi Miki / *Dept. of Radiology, Nippon Medical School*
- 203** Palliative transarterial infusion chemotherapy and chemoembolization using beads for symptomatic advanced primary lung cancer  
Akihiko Seki / *Cancer Catheter Treatment Center, Kishiwada Eishinkai Hospital*

10:50-11:30 (315)

**45. Gastrointestinal 2: Miscellaneous**

Toru Sekiya

- 204** Trial for new diagnostic criterion containing *Helicobacter pylori* gastritis in gastric cancer screening  
Takahiro Ito / *Dept of Radiology*
- 205** Transient small bowel wall thickening in patients with vomiting induced by non-ionic iodinated contrast media  
Tomohiro Takamura / *Dept. of Radiology, University of Yamanashi*
- 206** Comparison of tumor invasion depth in rectal cancer between rectal MR with pathology and preoperative CTC with pathology.  
Mizuho Suzuki / *Dept. of Radiology, Jichi Medical University*
- 207** Gastric carcinoma: Evaluation with diffusion-tensor MR imaging and tractography ex vivo  
Ichiro Yamada / *Dept. of Diagnostic Radiology and Nuclear Medicine, Tokyo Medical and Dental University*

14:00-15:10 (315)

**46. Autopsy Imaging** Hideyuki Takano

- 208** Usefulness of autopsy imaging for cases with unknown causes of death  
Jun Watari / *Dept. of Radiology, JMA Ebina General Hospital*
- 209** The usefulness of postmortem CT in infants and children  
Tomonori Murakami / *Dept. of Radiological Science, Nagasaki University Graduate School of Biomedical Sciences*
- 210** The accuracy of postmortem CT in the diagnosis of cervical spine injury  
Saori Akashi / *Dept. of Radiological Sciences, Nagasaki University Graduate School of Biomedical Sciences*
- 211** Postmortem computed tomography findings in the thorax-experimental evaluation-  
Hideki Hyodoh / *Dept. Legal Medicine, Sapporo Medical University School of Medicine*
- 212** Postmortem CT: Comparison of 20 drowning cases and 20 control cases.  
Makoto Sugawara / *Dept. of Radiology, Akita University School of Medicine*
- 213** The evaluation of fluid collection in the respiratory tract on postmortem computed tomography  
Naoya Takahashi / *Graduate School of Health Sciences, Niigata University*
- 214** Comparison of Attenuation of Striated Muscle Between Postmortem and Antemortem Computed Tomography  
Hidemi Okuma / *Dept. of Radiology, The University of Tokyo*

15:20-16:10 (315)

**47. Radiation Safety and Dose Reduction**

Toshi Abe

- 215** DNA double-strand breaks (DSBs) in blood lymphocytes of patients undergoing coronary CT  
Wataru Fukumoto / *Department of Diagnostic Radiology, Hiroshima University*
- 216** Reduced Radiation Exposure and Iterative Reconstruction for 3D Printing of Bony Structures in Maxillofacial CT  
Kanakano Kumamaru / *Dept. of Radiology, Harvard Medical School & Brigham and Women's Hospital*
- 217** Estimating effective dose for CT during arterial portography and hepatic arteriography using size-specific dose estimation method  
Yoko Saito / *Dept. of Radiological Life Sciences, Hirosaki University Graduate School of Health Sciences*
- 218** Evaluation of quantitative and qualitative image quality of pediatric abdominal CT with a 100-kVp protocol and hybrid iterative reconstruction algorithm  
Yoshihiro Kubota / *Dept. of Radiology, Chiba University Hospital*
- 219** CONCERT, A PROJECT ON CONCEPTS RADIATION DOSES AND RISKS FROM IMAGING WITH IONIZING RADIATION  
John Damilakis / *Department of Medical Physics, Faculty of Medicine, University of Crete*

9:40-10:20 (Annex Hall F205+206)

**48. Chest 5: Miscellaneous** Katsuya Kato

**220** Focal pulmonary interstitial opacities adjacent to the thoracic spine osteophytes among the cases with right side aortic arch.  
Rika Yoshida / *Dept. of Radiology, Shimane University, Faculty of Medicine*

**221** [Canceled]

**222** Whole Lung Perfusion ADCT in Patients with Pulmonary Nodule: Capability for Regional Perfusion and Disease Severity Assessment of Smoking-Related COPD  
Yoshiharu Ohno / *Advanced Biomedical Imaging Research Center, Kobe University Graduate School of Medicine*

**223** Utility of dual-energy CT for pulmonary functional loss assessment and radiation pneumonitis prediction in non-small cell lung cancer patients  
Sachiko Miura / *Dept. of Radiology, Nara Medical University*

13:00-13:50 (Annex Hall F205+206)

**49. Radiation Oncology 4: Head and neck 2** Toru Shibata

**224** Stereotactic radiotherapy using Cyberknife for recurrent or metastatic adenoid cystic carcinoma and malignant melanoma of the head and neck  
Tomoyasu Kumano / *Dept. of Radiation Therapy, Kanazawa University Hospital*

**225** Initial experience of stacking layer irradiation with proton beam in Fukui prefectural hospital  
Satoshi Shibata / *Fukui Prefectural Hospital*

**226** Carotid blowout syndrome in Pharyngeal Cancer Patients treated by hypofractionated stereotactic re-irradiation using CyberKnife: a multi-institutional matched-cohort analysis  
Hideya Yamazaki / *Dept. of Radiology, Kyoto Pref. Medical School*

**227** Polaprezinc reduces the severity of radiation-induced mucositis: The result of a prospective clinical study and in a retrospective comparison study  
Hitomi Suzuki / *Dept. of Radiology, Hyogo College of Medicine*

**228** Analysis of Ku and XRCC4 expressions of hypopharyngeal cancer tissues and results treated with chemoradiotherapy  
Koh-ichi Sakata / *Dept. of Radiology, Sapporo Medical University*

13:50-14:40 (Annex Hall F205+206)

**50. Radiation Oncology 5: Lung** Nobue Uchida

**229** Stereotactic volumetric modulated arc therapy for a lung tumor using flattening filter free beams and in-treatment 4D cone-beam CT imaging  
Keiichi Nakagawa / *Dept. of Radiology, University of Tokyo Hospital*

**230** Stereotactic body radiotherapy for primary and metastatic lung cancer  
Atsushi Nishikawa / *National Hospital Organization Shikoku Cancer Center*

**231** Pretreatment modified Glasgow Prognostic Score predicts clinical outcomes after stereotactic body radiotherapy for early-stage non-small cell lung cancer.  
Takahiro Kishi / *Dept. of Radiation Oncology and Image-Applied Therapy, Kyoto University Graduate School of Medicine*

**232** Impact of inflammation on outcomes after (chemo) radiotherapy for locally advanced non-small cell lung cancer  
Takamasa Mitsuyoshi / *Department of Radiation Oncology and Image-Applied Therapy, Kyoto University Hospital*

**233** Relationship between radiation pneumonitis and organizing pneumonia after SRT for lung metastases.  
Masayuki Ito / *Dept. of Radiology, Fujita Health University*

14:50-15:50 (Annex Hall F205+206)

**51. Radiation Oncology 6: Prostate cancer** Takashi Mizowaki

**234** VMAT for the treatment of localized prostate cancer: 5-year results  
Kenshiro Shiraishi / *Dept. Radiology, The University of Tokyo Hospital*

**235** Clinical results of IMRT or brachytherapy for high risk prostate cancer  
Kiyoshi Nakamatsu / *Kinki university faculty of medicine department of radiation oncology*

**236** Clinical review of rectal hemorrhage after intensity-modulated radiation therapy (IMRT) for prostate cancer  
Shiro Obata / *Department of Radiology and Radiotherapy, Nagasaki Prefecture Shimabara Hospital*

**237** Extremely hypofractionated stereotactic radiotherapy for low- and intermediate-risk prostate cancer using robotic chasing: Initial experience of phase I/II clinical trial  
Yasuo Yoshioka / *Dept. of Radiation Oncology, Osaka University Graduate School of Medicine*

**238** Clinical results of 6fr IGRT for localized carcinoma of the prostate  
Takuro Arimoto / *Dept. of Radiation Oncology, Kitami Red-cross GH, Cancer Center*

**239** Validity of dynamic 3T-MRI for prostate cancer patients with biological recurrence after prostatectomy and clinical outcomes of VMAT.  
Madoka Sakuramachi / *Dept. of Radiology, University of Tokyo*

15:50-17:00 (Annex Hall F205+206)

**52. Radiation Oncology 7: Prostate and other GU organs** Keisuke Sasai

**240** Rectal dose for seed implant brachytherapy combined with conformal or intensity-modulated radiotherapy  
Koyo Kikuchi / *Iwate Medical University, Department of Radiology*

**241** Sexual Function after Image-guided Volumetric Modulated Arc Therapy for Prostate Cancer  
Kentaro Yamamoto / *Dept. of Radiology, The University of Tokyo Hospital*

- 242** Trial of semi-quantitative evaluation method using SPECT/CT on a prostate brachytherapy  
Hidekazu Hattori / *Department of Radiology, Fujita Health University of Medicine, Toyoake, Japan*
- 243** DVH-based comparison of PTV coverage and doses to OARs between localized cancers of large and regular-volume prostate treated with HDR-BT  
Motoki Kaizu / *Graduate School of Medical and Dental Sciences, Niigata*
- 244** The effect of SBRT for primary RCC and the adverse events.  
Tatsuya Suzuki / *Dept. of Radiology, Yamanashi University School of Medicine*
- 245** Image-guided radiotherapy of bladder cancer based on Lipiodol marking: initial treatment experience  
Hisao Kakuhara / *Iwate Medical University*
- 246** Development of [DVH simple evaluation] software (Part 3)  
Masashi Nozue / *Dept. of Radiation Oncology, SEIREI Hamamatsu General Hospital*

## April 19 (Sun.)

9:10-9:50 (301)

### 53. Interventional Radiology 9: Liver (TACE) 1 Hidefumi Mimura

- 247** Transcatheter arterial chemoembolization using drug-eluting beads: Initial experience and investigation of the refractory cases at our hospital  
Sota Oguro / *Dept. of Radiology, Keio University Hospital*
- 248** Short-term outcomes of transarterial chemoembolization (TACE) with epirubicin-loaded DCBead for hepatocellular carcinoma as a single-center experience  
Noboru Maeda / *Dept. of Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine*
- 249** Short-term outcomes of transarterial chemoembolization (TACE) with CDDP-loaded HepaSphere for hepatocellular carcinoma as a single-center experience  
Noboru Maeda / *Dept. of Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine*
- 250** TACE using Embozene microspheres mixed with cisplatin solution for liver metastases failed to standard chemotherapy.  
Takeshi Sato / *Dept. of Radiology & IVR center, Nara Medical University*

9:50-10:20 (301)

### 54. Interventional Radiology 10: Miscellaneous Jun-ichi Nishimura

- 251** Simultaneous multiple preoperative localizations of small pulmonary lesions before VATS: an evaluation of 72 lesions in 34 procedures  
Toshihiro Iguchi / *Dept. of Radiology, Okayama University Medical School*
- 252** Percutaneous transabdominal thoracic duct embolization for chylothorax after thoracic surgery  
Shuji Kariya / *Dept. of Radiology, Kansai Medical University*

- 253** Injection of contrast material during AVS dose not affect adrenal steroid hormones: adequate venography to understand venous anatomy  
Yuya Koike / *Dept. of Radiology, Yokohama Rosai Hospital*

13:50-14:40 (301)

### 55. Pancreas Yasuo Takehara

- 254** Frequency and predictors of delayed colonic perforation after acute pancreatitis.  
Noah Nakanishi / *Dept. of Radiology, Osaka City University Graduate School of Medicine*
- 255** Focal pancreas atrophy occurring before pancreas lesion  
Kentaro Mochizuki / *Dept. of Diagnostic Radiology, Toyama Prefectural Central Hospital*
- 256** Pancreatic neuroendocrine tumors: Assessment of dynamic contrast-enhanced CT features and the pathological grading  
Ryota Hyodo / *Dept. of Radiology, Nagoya University Graduate School of Medicine*
- 257** High resolution diffusion-weighted MR imaging of the pancreas using a two-dimensional spatially selective radio-frequency excitation technique  
Hiromitsu Onishi / *Dept. of Radiology, Osaka University Graduate School of Medicine*
- 258** Findings in Pancreatic MR Imaging Associated with Pancreatic Fibrosis and Glucose Intolerance  
Yoshifumi Noda / *Department of Radiology, Gifu University Hospital*

9:40-10:30 (302)

### 56. Liver 5: Fibrosis and perfusion Satoshi Goshima

- 259** Noninvasive hepatic fibrosis staging using magnetic resonance elastography: The usefulness of the Bayesian prediction method  
Shintaro Ichikawa / *Department of Radiology, University of Yamanashi*
- 260** Fibrosis in nonalcoholic fatty liver disease: Noninvasive assessment using CT volumetry  
Nobuhiro Fujita / *Dept. of Clinical Radiology, Graduate School of Medical Sciences, Kyushu University*
- 261** Factors for morphologic change of hepatitis virus related liver cirrhosis: in relation with portal vein flow with dynamic contrast-enhanced CT  
Akira Yamamoto / *Dept. of Radiology, Kawasaki Medical School*
- 262** Compartment model analysis of dynamic CT in splenic hemodynamics: a comparison with the degree of liver fibrosis and splenomegaly.  
Takeshi Suzuki / *Dept. of Radiology, Shinshu University School of Medicine*
- 263** Compartment model analysis of intra-venous contrast enhanced dynamic CT in hepatic hemodynamics: a comparison with intra-arterial contrast enhanced CT.  
Daisuke Komatsu / *Dept. of Radiology, Shinshu University School of Medicine*

13:00-13:40 (302)

**57. Interventional Radiology 11: Liver (TACE) 2**

Shiro Miyayama

- 264** Transcatheter arterial chemoembolization for advanced hepatocellular carcinoma with portal vein invasion  
Daisuke Yasui / Dept. of Radiology, Nippon medical school
- 265** Evaluation of the Effect of TACE on Liver Function in Patients with Unresectable Hepatocellular Carcinoma and Partial Portal Vein Thrombosis  
Ping Yung Chu / Department of Radiology, Tuen Mun Hospital
- 266** Transcatheter arterial embolization of hypervascular tumors and arteriovenous malformations with microspheres: prospective multicenter open label clinical trial in Japan  
Takao Hiraki / Dept. of Radiology, Okayama University Medical School
- 267** Transcatheter arterial embolization with microspheres for enlarged polycystic liver  
Bunya Takahashi / Dept. of Diagnostic Radiology, Hokkaido University Hospital

13:50-14:30 (302)

**58. Interventional Radiology 12: Liver (TACE) 3 and others**

Kohzoh Makita

- 268** Stump pressure variation and imaging findings before and after balloon-occluded TACE (B-TACE)  
Akihisa Kakuta / Department of Radiology and Radiation Oncology, Hirosaki University School of Medicine
- 269** Feasibility and safety of dexmedetomidine sedation in transarterial embolization for hepatocellular carcinoma with chronic hepatitis C  
Atsushi Komemushi / Dept. of Radiology, Kansai Medical University
- 270** Tip fixation technique using Amplatzer Vascular Plug in catheter placement for intraarterial chemotherapy  
Tetsuya Masada / Dept. of Radiology and IVR Center, Nara Medical University
- 271** Long term efficacy and safety of balloon-occluded retrograde transvenous obliteration of portosystemic shunts in patients with hepatic encephalopathy  
Satoshi Suzuki / Dept. of Radiology, Kansai Medical University Takii Hospital

9:40-10:20 (303)

**59. Neuroradiology 6: CTA** Toshibumi Kinoshita

- 272** Reduction of the orbit difference related movement of cerebral 4D-CTA images using an advanced patient motion correction reconstruction  
Yuki Kunitomi / Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine
- 273** Accuracy of urgent computed tomographic angiography in diagnosing underlying cerebrovascular diseases causing acute intracranial haemorrhage  
Siu Ting Leung / Department of Radiology, Pamela Youde Nethersole Eastern Hospital
- 274** The Diagnostic Role of CTA in the Setting of Acute Intraparenchymal Hemorrhage  
Jeffrey S. Dorr / Department of Radiology, Santa Clara Valley Medical Center

- 275** Computational Fluid Dynamic for Intracranial Aneurysm: Comparison with 3D-DSA and CTA data  
Shi Xing Bao / Department of radiology, Osaka University

10:50-11:40 (303)

**60. Neuroradiology 7: CT (others)**

Yoshiyuki Watanabe

- 276** Pre- and post-procedural stroke scoring with NIHSS and ASPECTS predicting outcome and mortality in over and under 70 age groups  
Timothy Woo / Department of Radiology, University Hospital of North Staffordshire
- 277** Dynamic CTA and CTP with 320-row AD-CT in the evaluation after EC/IC bypass surgery: Comparison with 3T-MRA  
Shogo Imai / Dept. of Radiology, Nippon Medical School
- 278** Radiotherapy for Nasopharyngeal Carcinoma as a Risk Factor for Extracranial Carotid Stenosis. Is it for Intracranial Arteries Stenosis?  
Ping Yung Chu / Department of Radiology, Tuen Mun Hospital
- 279** Comparison of knowledge-based iterative model, hybrid iterative and filtered back projection reconstruction techniques in brain CT  
Takeshi Nakaura / Dept. of Diagnostic Radiology, Amakusa Medical Center
- 280** Dynamic contrast enhanced CT for prediction of subsequent hemorrhage progression in acute traumatic subdural hematoma.  
Tomoyuki Gentsu / Dept. of Radiology, Osaka Police Hospital

13:00-13:50 (303)

**61. Neuroradiology 8: SWI/QSM and others**

Kohsuke Kudo

- 281** Low-signal-intensity along U-fiber identified by susceptibility-weighted imaging in cortical and subcortical lesions at 3 T  
Maki Umino / Department of Radiology, Mie University School of Medicine, Mie, Japan
- 282** Usefulness of relative susceptibility value of deep gray matters on quantitative susceptibility mapping in Parkinson's disease  
Minako Azuma / Departments of Diagnostic Radiology, Kumamoto University, Kumamoto, Japan
- 283** Stripe sign of precentral gyrus in myotrophic lateral sclerosis: a novel finding on high-resolution phase difference enhanced MR imaging  
Shingo Kakeda / Dept. of Radiology, Univ. Hospital of Occupational & Environmental Health
- 284** Changes in the brain after liver transplantation: An analysis on T1-weighted MR imaging  
Hideki Ishimaru / Dept. of Radiology, Nagasaki University School of Medicine
- 285** High-resolucional images of the hypothalamo-hypophyseal system using isotropic 3D-TSE imaging with a 3T MR unit  
Yusuke Yokota / Dept. of Radiology, Kishiwada City Hospital

9:10-10:10 (304)

**62. Cardiovascular 3: Coronary artery**

Norihiko Yoshimura

- 286** Validity of SSDE for radiation dose estimates in adult patients undergoing coronary CT angiography  
Masafumi Kidoh / *Dept. of Radiology, Graduate School of Medical Sciences, Kumamoto University*
- 287** What explains contrast media arrival time in coronary CT?  
Eriko Maeda / *Dept. of Radiology, The University of Tokyo Hospital*
- 288** Effect of a motion-correction algorithm (SnapShot Freeze) on diagnostic performance of coronary CT angiography with intermediate or high heart rate  
Teppei Okamura / *Dept. of Diagnostic Radiology, Keio University School of Medicine*
- 289** Diagnostic accuracy of coronary artery disease with severe calcifications by iodine/calcium oxalate material decomposition coronary CT angiography  
Hartuhiko Machida / *Department of Radiology, Tokyo Women's Medical University Medical Center East*
- 290** The detection of significant coronary artery stenosis using hybrid imaging of cardiac CT and <sup>13</sup>N-ammonia PET  
Naoto Kawaguchi / *Dept. of Radiology, Ehime Prefectural Central Hospital*
- 291** Assessment of software for automated analysis of myocardial area at risk based on CCTA data: Comparison with stress perfusion CMR  
Naoki Fukuyama / *Dept. of Radiology, Ehime University Graduate School of Medicine*

13:00-13:50 (304)

**63. Cardiovascular 4: Artery**

Kei Takase

- 292** Additional Value of Venous Phase to Whole-body CT Angiography in Patients with Aortic Aneurysm  
Yukichi Tanahashi / *Dept. of Radiology, Gifu university hospital*
- 293** Type2 endoleak on dynamic volumetric CT angiography.  
Jun-ichi Nishimura / *Dept. of Interventional Radiology, Kawasaki Saiwai Hospital*
- 294** Evaluation of sequential abdominal aortic calcification using calcification score in hemodialysis patients  
Kazuhiro Yamanouchi / *Dept. of Radiology, Fujita Health University School of Medicine*
- 295** Effectiveness of subtraction CT angiography for peripheral arterial occlusive disease on dialysis.  
Michiko Suzuki / *Dept. of Radiology, Iwate Medical University*
- 296** Image quality of low-contrast-dose abdominal single-source dual-energy CT angiography using monochromatic images with adaptive statistical iterative reconstruction: initial clinical experience  
Etsuko Tate / *Dept. of Radiology, Tokyo Women's Medical University Medical Center East*

9:10-9:50 (311+312)

**64. Nuclear Medicine 6: Gastrointestinal and urinary organs**

Seishi Jinnouchi

- 297** Predictive Prognostic Factors for Patients with cT4 Thoracic Esophageal Cancer Treated with Definitive Chemoradiotherapy; An investigation Including FDG PET/CT  
Miyako Myojin / *Dept. of Radiation Oncology, Keiyukai Sapporo Hospital*
- 298** Diagnostic performance of <sup>18</sup>F-fluorothymidine PET/CT for primary gastric cancer and its lymph node metastasis: Comparison with <sup>18</sup>F-fluorodeoxyglucose PET/CT  
Masatoyo Nakajo / *Department of Radiology, Kagoshima University, Graduate School of Medical and Dental Sciences*
- 299** Evaluation of the usefulness of <sup>18</sup>F-FDG PET/CT for prostate cancer referred with initial PSA of more than 50 ng/ml  
Kazuyuki Ogawa / *Dept. of Diagnostic imaging, Chiba Cancer Center*
- 300** Clinical implications of the quantitative <sup>99m</sup>Tc-DMSA uptake rate in kidneys by comparing with estimated glomerular filtration rate in children  
Yumiko Kono / *Dept. of Radiology, Kansai Medical University*

10:00-10:50 (311+312)

**65. Nuclear Medicine 7: Breast and musculoskeletal**

Ichiroh Matsunari

- 301** A correlation between intracellular hypoxia and extracellular oxygen saturation in breast cancer measured by F-18-fluoroimidazole PET/CT and diffusion optical spectroscopy  
Ichiei Kuji / *Dept. of Nucl. Med., Saitama International Medical Center*
- 302** Early prediction of pathological complete remission after pre-operative neoadjuvant therapy by dedicated-breast PET in patients with locally-advanced breast cancer  
Yuji Nakamoto / *Dept. of Diagnostic Imaging and Nuclear Medicine, Kyoto University Graduate School of Medicine*
- 303** Predicting and evaluating the response to breast cancer neoadjuvant chemotherapy using dedicated breast PET, in comparison to whole body PET  
Mutsumi Noritake / *Dept. of Radiology, Yokohama City University Medical Center*
- 304** Clinical evaluation of a new X-ray imaging system based on Talbot-Lau interferometry: comparison of patients with RA to healthy volunteers  
Junji Tanaka / *Dept. of Radiology, Saitama Medical University Hospital*
- 305** Radiation-induced damage in lymphocytes after radioisotope therapy for bone metastases.  
Naoto Watanabe / *Dept. of Radiology, Kanazawa Medical University*

13:00-14:00 (311+312)

**66. Nuclear Medicine 8: Miscellaneous**

Toru Shiga

- 306** Evaluation of rigid and non-rigid registration in sequential quantitative SPECT for targeted radionuclide therapy  
Mok Greta / *Department of Electrical and Computer Engineering, University of Macau*
- 307** The Effect Of Time After 99mTc-MDP Injection On Evaluation Of Bone Index Using Bone Navi  
Rini Shintawati / *Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma University*
- 308** Detectability of PET/CT with 68Ga-DOTATOC in Sarcoidosis Patients: Comparison with 67Ga-Citrate scintigraphy  
Tomomi Nobashi / *Dept. of Radiology, Kyoto University School of Medicine*
- 309** The frequency of uptake by FDG-PET/CT in patients with malignant lymphoma according to the levels of serum LDH and sIL2-R  
Yoshihiro Okumura / *Dept. of Diagnostic & Interventional Radiology, Fukuyama City Hospital,*
- 310** Why does spatial resolution affect SUVmax ?  
Yoshiaki Nakabeppu / *Dept. of Radiology , Graduate school of medical dental science, Kagoshima University*
- 311** Measurement of standardized uptake value (SUV) on PET/CT scanner: Is there any difference among workstations?  
Ratianto / *Dept. of Diagnostic Radiology and Nuclear Medicine, Gunma University*

9:10-9:50 (313+314)

**67. Head and Neck 2: CT and others**

Keiko Yamada

- 312** Salivary gland tumors of the parotid gland: CT and MR imaging findings with emphasis on intratumoral cystic components  
Hiroki Kato / *Dept. of Radiology, Gifu University School of Medicine*
- 313** Evaluation of peritonsillar abscess using reconstructed enhanced CT images: classification and lesion extent  
Megumi Matsuda / *Department of Radiology, Teikyo University School of Medicine*
- 314** Efficacy of ultrasound-guided percutaneous laser ablation in patients with primary hyperparathyroidism  
Yury\_N Patrunov / *Department of Ultrasound Diagnostics, Yaroslavl Railway Clinic*
- 315** Preoperative topical diagnosis of primary hyperparathyroidism with neck ultrasound and fine needle aspiration biopsy with PTH analysis in wash-out  
Yury\_N Patrunov / *Department of Ultrasound Diagnostics, Yaroslavl Railway Clinic*

10:00-10:30 (313+314)

**68. Contrast Medium**

Ryo Takagi

- 316** The comparison of two different injection needles for dynamic contrast enhanced CT: The impact of sideholes.  
Makoto Hasegawa / *Dept. of Radiology, Toho University Ohashi Medical Center*
- 317** Protective effect against repeat adverse reactions to iodinated contrast medium: Premedication vs. changing the contrast medium  
Shoko Abe / *Dept. of Radiology, Mitsui Memorial Hospital*
- 318** Reduced iodine load in multiphase abdominal CT for patients with renal insufficiency by single-source dual-energy CT with fast kVp switching  
Takuya Ishikawa / *Department of Radiology, Tokyo Women's Medical University, Medical Center East, Tokyo, Japan*

10:40-11:30 (313+314)

**69. New Technologies**

Masaki Hara

- 319** Evaluation of a Single Energy Metal Artifact Reduction Applied to Aquilion ONE 320 Area Detector CT.  
Akinaga Sonoda / *Dept. of Radiology, Shiga University of Medical Science*
- 320** Feasibility of bone suppression chest images in a clinical context  
Yasuo Sasakki / *Dept of Radiology, Iwate Prefectural Central Hospital*
- 321** Initial experience of whole-body oncologic imaging with a sequential PET/MR hybrid scanner: PET/MR vs. PET/CT  
Yuji Watanabe / *Dept. of Molecular Imaging and Diagnosis, Kyushu University*
- 322** Image alignment quality of hybrid PET/MR system: Comparison with retrospectively fused PET and MR.  
Ryotaro Kamei / *Department of Clinical Radiology, Graduate School of Medical Sciences, Kyushu University*
- 323** Evaluation of PET/DWI registration quality in PET/MR hybrid scanner: Zoomed DWI vs. conventional DWI  
Koji Sagiyama / *Dept. of Clinical Radiology, Graduate school of Medical Sciences, Kyushu University*

9:10-10:10 (315)

**70. Radiation Oncology 8: CNS**

Katsuyuki Karasawa

- 324** Secondary analyses of JROSG 99-1 RCT between SRS-alone and WBRT+SRS for 1-4 brain metastases after post-stratification by DS-GPA  
Hidefumi Aoyama / *Niigata University*
- 325** Outcome of whole-brain radiotherapy for intracranial leptomeningeal carcinomatosis from solid tumors  
Megumi Uto / *Department of Radiation Oncology and Image-applied Therapy, Kyoto University Graduate School of Medicine*
- 326** Examination about the factor affecting the effect of the whole brain radiation  
Shuri Aoki / *Teikyo University Hospital*

- 327** Preliminary report of TrueBeam stereotactic radiotherapy in Aichi Medical University Hospital  
Yoshimasa Mori / *Department of Radiology and Radiation Oncology, Aichi Medical University*
- 328** Whole brain radiation therapy with simultaneous integrated boost for multiple brain metastases using single-isocenter volumetric modulated arc therapy  
Akihiro K Nomoto / *Dept. of Radiology, Tokyo University Hospital*
- 329** 3-Dimensional Conformal Fractionated Radiotherapy for Spinal Schwannoma.  
Rikiya Onimaru / *Hokkaido University Hospital*

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13:00-14:00 (315)

**71. Radiation Oncology 9: Spine and others**

Yuzuru Niibe

- 330** Treatment planning comparison of carbon ion radiotherapy, proton therapy and intensity modulated radiotherapy for spinal tumors encircling the spinal cord.  
Keiji Matsumoto / *Department of Clinical Radiology, Graduate School of Medical Sciences, Kyushu University*
- 331** Prognostic factors for local control and survival after radiotherapy in patients with spinal metastases  
Yasuo Ejima / *Kobe University Graduate School of Medicine*
- 332** Results of radiotherapy for oligo-recurrence  
Takashi Kosugi / *Dept. of Radiation Oncology, Fujieda General Municipal Hospital*
- 333** Multidisciplinary Treatment including Intraoperative Radiation Therapy (IORT) for Spinal Mets from Differentiated Thyroid Cancer (DTC)  
Katsuyuki Karasawa / *Dept of Radiology, Tokyo Metro. Komagome Hospital*
- 334** Imaging and treatment of tumors using targeted B6H12 nanoparticles via radiotherapy in vivo  
Satoshi Harada / *Dept. of Radiology, Iwate Medical University, School of Medicine*
- 335** Formation and functional analysis of specific tRNA granules caused by X-ray irradiation  
Atsuto Katano / *Dept. of Radiology, University of Tokyo Hospital*