

**The 57th Annual Scientific
Meeting of the Japanese
Society of Nuclear Medicine**

**The 12th Asia Oceania
Congress of Nuclear Medicine
and Biology (AOCNMB)**

**Special Program
Oral/Poster Program**

AOCNMB Educational Lectures

Lecture 1 Thursday Oct.5 13:30-14:30, Room 3

Dong Soo Lee (Department of Medicine, Seoul National University College of Medicine, Korea)

Utility of PET/CT in Thermoablative Therapy and Immune Modulation Therapy
(Harvard Medical School, USA) **Chun Kim**

Lecture 2 Thursday Oct.5 14:30-15:30, Room 3

Chair : Hirofumi Fujii (Division of Functional Imaging, National Cancer Center Japan)

Application of SPECT-CT lymphoscintigraphy in the diagnosis and treatment of lymphedema
(Department of Plastic & Reconstructive Surgery, Yokohama City University) **Taro Mikami**

Lecture 3 Friday Oct.6 13:30-14:30, Room 3

Chair : Yutaka Imai (Department of Radiology, Tokai University)

Modification of functional liver volume using ^{99m}Tc -galactosyl human serum albumin scintigraphy single-photon emission computed tomography is useful for safe liver resection
(Department of Gastroenterological Surgery, Yokohama City University) **Itaru Endo**

Lecture 4 Friday Oct.6 14:30-15:30, Room 3

Chair : Tomohiro Kaneta (Department of Radiology, Yokohama City University)

Clinical application of ^{18}F -Fluoride PET for musculoskeletal disorders
-Perspective of orthopaedic surgeon-
(Department of Orthopaedic Surgery, Yokohama City University School of Medicine) **Naomi Kobayashi**

Lecture 5 Friday Oct.6 15:30-16:30, Room 3

Chair : Seigo Kinuya (Department of Nuclear Medicine, Kanazawa University)

Development of the ToF-PET scanner: Past and the Future
(Consultant in Nuclear Medicine) **Cornelis A. Hoefnagel**

Lecture6 Friday Oct.6 16:30-17:30, Room 3

Chair : Henry Bom (Chonnam National University Hwasun Hospital, Korea)

Development and optimization of cell-based therapy through in vivo molecular imaging
(Department of Nuclear Medicine, Kyungpook National University, Korea) **Byeong-Cheol Ahn**

Nuclear Medicine Educational Lectures

Lecture 1 Thursday Oct.5 13:30-14:15, Room 9

Katsuhiko Kato (Department of Radiological Sciences, Nagoya University)

Radioisotope therapy for thyroid cancer: For the purpose of getting a good response

(Department of Nuclear Medicine, Kanazawa University Hospital) **Daiki Kayano**

Lecture 2 Thursday Oct.5 14:30-15:15, Room 9

Chair : Koji Murakami (Department of Radiology, Juntendo University Hospital)

PET-CT and SPECT-CT in oncology

(Department of Radiology, Osaka University Hospital) **Mitsuaki Tatsumi**

Lecture 3 Thursday Oct.5 15:30-16:15, Room 9

Chair : Yutaka Kagaya (Office of Medical Education, Tohoku University)

Myocardial perfusion SPECT: Collaboration with other imaging modalities

(Department of Diagnostic Radiology, Tohoku University) **Kentaro Takanami**

Lecture 4 Thursday Oct.5 16:30-17:15, Room 9

Chair : Mitsuru Koizumi (Department of nuclear medicine, The Cancer Institute Hospital of JFCR)

Bone metastatic diagnosis and follow-up using CAD and fusion imaging for bone scans

(Department of Diagnostic Radiology, Gunma Prefectural Cancer Center) **Hiroyuki Horikoshi**

Lecture 5 Thursday Oct.5 8:30-9:15, Room 4

Chair : Eku Shimosegawa (Department of Molecular Imaging in Medicine, Osaka University)

Role of molecular imaging in diagnosis of cerebral ischemia

(Department of Diagnostic Radiology, Research Institute for Brain and Blood Vessels-Akita) **Toshifumi Kinoshita**

Lecture 6 Thursday Oct.5 9:30-10:15, Room 4

Chair : Jun Hashimoto (Department of Radiology, Tokai University)

The utility of nuclear medicine in the diagnosis of neurodegenerative diseases: A radiologist's perspective

(Department of Diagnostic Radiology, Tokyo Metropolitan Medical Center of Gerontology) **Keita Sakurai**

Lecture 7 **Friday Oct.6 10:30-11:30, Room 3**

Chair : Noriko Aida (Kanagawa Children's Medical Center)

Pediatric nuclear oncology

(Department of Radiology, The Jikei University School of Medicine) **Mayuki Uchiyama**

Lecture 8 **Saturday Oct.7 11:00-12:00, Room 3**

Chair : Yukihiko Ozawa (Yuai Clinic)

Screening for cancer using FDG-PET(PET/CT): the current status in Japan

(Department of nuclear medicine, The Cancer Institute Hospital of JFCR) **Takashi Terauchi**

Lecture 9 **Thursday Oct.5 14:30-15:15, Room 4**

Chair : Setsu Sakamoto (PET Center, Dokkyo Medical University Hospital)

Effective Utilization of Respiratory Nuclear Medicine in Actual Clinical Settings

(Department of Radiology, Saint Hill Hospital) **Kazuyoshi Suga**

Lecture 10 **Thursday Oct.5 15:30-16:15, Room 4**

Chair : Kei Takase (Department of Diagnostic Radiology, Tohoku University)

Stem Cell Radiobiology and Radiation Protection in Medicine

(Kyoto College of medical science) **Kazuko Ohno**

Lecture 11 **Thursday Oct.5 16:30-17:15, Room 4**

Chair : Hiroshi Fukuda (Tohoku Medical and Pharmaceutical University)

Basic Research for Biological Evaluation of PET Radiopharmaceuticals

(Department of nuclear pharmacy research, Cyclotron and Radioisotope Center, Tohoku University) **Shozo Furumoto**

Dementia Seminar

Thursday Oct.5 10:00-11:30, Room 2

Chair : Fumiaki Tanaka (Department of Neurology and Stroke Medicine, Yokohama City University)

1. Brain FDG-PET imaging and clinical features of Dementia with Lewy bodies
(Department of Psychiatry, Yokohama City University) **Yuhei Chiba**
2. Genetic and imaging analysis of adult leukoencephalopathy patients
(Department of Neurology & Stroke Medicine, Yokohama City University) **Misako Kunii**
3. The neuropsychological symptoms of atypical dementia
(Neurology & Stroke Medicine, Yokohama City University) **Yuichi Higashiyama**

Image Reaging Lectures

Lecture 1 **Friday Oct.6 8:30-9:30, Room 4**

Chair : Kazushige Hayakawa (Department of Radiology, Kitasato University)

Expectation of nuclear medicine in the diagnosis and therapy for prostate cancer
(Department of Urology & Renal Transplantation, Yokohama City University Medical Center) **Hiroji Uemura**

Lecture 2 **Friday Oct.6 9:30-10:30, Room 4**

Chair : Isamu Kashima (Kanagawa Dental University)

Organ preserving therapy for advanced oral cancer -Retrograde superselective intra-arterial chemoradiotherapy-
(Department of Oral and Maxillofacial Surgery, Yokohama City University) **Iwai Tohnai**

Lecture 3 **Friday Oct.6 10:30-11:30, Room 4**

Chair : Takayuki Obata (National Institute of Radiological Sciences)

Non invasive measurement of liver fibrosis using Magnetic Resonance Elastography (MRE)
(Department of Gastroenterology and Hepatology, Yokohama City University) **Atsushi Nakajima**

Lecture 4 **Saturday Oct.7 9:45-10:45, Room 3**

Chair : Yoshihiro Nishiyama (Department of Radiology, Kagawa University)

Diagnosis and Treatment of Neuroendocrine Tumor (NET) by using Nuclear Medicine
(Department of Oncology, Yokohama City University) **Yasushi Ichikawa**

Resident Seminars

Lecture 1 **Friday Oct.6 13:30-14:30, Room 4**

Chair : Yusuke Inoue (Department of Diagnostic Radiology, Kitasato University School of Medicine)

Tips of renal imaging interpretation based on cases
(Department of radiology, Yokohama City University Medical Center) **Shigeo Takebayashi**

Lecture 2 **Friday Oct.6 14:30-15:30, Room 4**

Chair : Yoshio Hirayasu (Department of Psychiatry, Yokohama City University)

Importance of differential diagnosis for examination of demented elderly patients
(Health Management Center, Yokohama City University) **Toshinari Odawara**

Lecture 3

Friday Oct.6 15:30-16:30, Room 4

Chair : Tsuneo Saga (Department of Diagnostic Radiology, Kyoto University Hospital)

Radiology in the past, now and the future

(Yuuai Clinic) **Yukihiko Ozawa**

Radiotherapy Symposium

Saturday Oct.7 8:00-9:40, Room 3

New application of nuclear medicine for radiation oncology

Chair : Keiichi Jingu (Department of Radiation Oncology, Tohoku University)
Tetsuya Yamamoto (Department of Neurosurgery, Yokohama City University)

1. Integration of Positron Emission Tomography into Radiation Therapy: With a Focus on the Head and Neck Cancer
(Department of Radiation Oncology, Hokkaido University Hospital) **Koichi Yasuda**
2. It is possible that pretreatment FDG-PET/CT becomes predictor for outcome of radiation therapy
(Radiation Oncology, Tohoku University) **Noriyoshi Takahashi**
3. Utility Value of FBPA-PET for Boron Neutron Capture Therapy
(Southern Tohoku BNCT Research Center) **Yoshihiro Takai**
4. Clinical use and domestic development of α -emitting radionuclides for targeted radiation therapy
(Advanced Clinical Research Center, Fukushima Medical University) **Noboru Oriuchi**

PET Nuclear Medicine Workshop

Saturday Oct.7 10:00-12:00, Room 4

Chair : Kengo Ito (National Center for Geriatrics and Gerontology)
Makoto Hosono (Institute of Advanced Clinical Medicine, Kindai University)

1. Dedicated breast PET and biopsy
(Department of Radiology, Juntendo University Hospital) **Koji Murakami**
2. Efforts to achieve the practical use of Mobile PET in the National Strategic Economic Growth Areas
(Clinical Research Center for Medical Equipment Development, Kyoto University Hospital) **Koji Shimizu**
3. Utilization of ^{18}F -BPA PET in Neutron Capture Therapy
(Department of radiology, National Cancer Center Hospita) **Hiroaki Kurihara**
4. Issues in the clinical development of ^{68}Ga -labeled PET-radiopharmaceuticals
(Central Institute of Isotope Science, Hokkaido University) **Yuji Kuge**

JSNM Symposiums

Symposium 1

Thursday Oct.5 8:30-10:00, Room 3

Radiation regulations from now on

Chair : Kazunari Ishii (Department of Radiology, Kindai University School of Medicine)

Hidehiko Okazawa (Biomedical Imaging Research Center, University of Fukui)

1. Measures for enforcement of the revised act and ordinance
(Nuclear Regulation Authority) **Takehiko Matsumoto**
2. Various problems related to radiation control in Japan: is it possible to optimize them?
(Regional Medical Care Planning Division, Ministry of Health, Labour and Welfare) **Anri Inaki**
3. Reasonable radiation safety management for patients
(Kyoto College of medical science) **Kazuko Ohno**

Symposium 2

Thursday Oct.5 10:00-11:30, Room 3

Standardization of quantitative imaging biomarker, and regulatory requirements in medical software

Chair : Hidehiro Iida (National Cerebral and Cardiovascular Center Research Institute)

Toshimitsu Momose (Department of Radiology, International University of Health and Welfare)

1. Outline of the program medical device and its correspondence
(Japan Medical Imaging and Radiological Systems Industries Association) **Hiroshi Furukawa**
2. US QIBA approach towards standardization beyond facilities
(Toshiba Medical Research Inst., USA) **Kevin O'Donnell**
3. Activities toward acquiring Health Care Insurance fee of medical software program
(Department of Nuclear Medicine, Hokkaido University) **Tohru Shiga**

Nadeshiko Meeting

Friday Oct.6 14:00-16:00, Room 8

Chair : Mayuki Uchiyama (Department of Radiology, The Jikei University School of Medicine)

Stress and Resilience

(Nippon Medical School) **Junko Umihara**

Nuclear Cardiology Joint Symposium

Saturday Oct.7 8:00-9:30, Room 4

Master of cardiac sarcoidosis

Chair : Masao Moroi (Toho University Ohashi Medical Center)

Mitsuru Momose (Department of Diagnostic imaging and Nuclear
Medicine, Tokyo Women's Medical University)

1. The basic knowledge of FDG-PET imaging for cardiac sarcoidosis
(Department of radiology, Nihon University Hospital) **Wataru Ito**
2. Actual diagnosis of cardiac sarcoidosis by F-18 FDG PET
(Department of radiology, Ehime University Hospital) **Masao Miyagawa**
3. Therapeutic monitoring of cardiac sarcoidosis. The usefulness of cardiac fatty acid metabolism imaging with cardiac magnetic resonance and F-18 fluorodeoxyglucose
(Department of Diagnostic Imaging & Nuclear Medicine, Tokyo Women's Medical University) **Kenji Fukushima**
4. Effect of immunosuppressive therapy evaluated by imaging modalities in patients with cardiac sarcoidosis
(Department of Cardiology, Saku Central Hospital) **Yoshikazu Yazaki**
5. Cardiac Sarcoidosis: Clinical Guidelines and Unanswered Problems
(Department of Cardiology, Tokyo Medical University) **Taishiro Chikamori**

Oral and Maxillofacial Nuclear Medicine Forum

Saturday Oct.7 9:45-11:45, Room 8

Up-to-date on imaging diagnosis of antiresorptive agent-related osteonecrosis of the jaw

Chair : Makoto Tsuchimochi (Oral and Maxillofacial Radiology, The Nippon
Dental University School of Life Dentistry at
Niigata)

Tohru Kurabayashi (Oral and Maxillofacial Radiology, Tokyo Medical
and Dental University)

1. Position Paper 2017 of the Japanese Allied Committee on Osteonecrosis of the Jaw
(Oral and Maxillofacial Surgeon, Tokyo Dental College) **Takahiko Shibahara**
2. Positron-emission tomography imaging in the diagnosis of Medication-related osteonecrosis of the jaw
(Hokkaido University Faculty of Dental Medicine) **Yoshimasa Kitagawa**
3. CT and MR imaging features of medication-related osteonecrosis of the jaws
(Department of Radiology, Tokyo Dental College, Ichikawa General Hospital) **Akira Baba**
4. Utility of bone scintigraphy and FDG-PET in early detection of medication-related osteonecrosis of the jaw
(Department of Nuclear Medicine, Kanazawa University Hospital) **Satoru Watanabe**

5. The effect of anti-resorptive agent on mandibular metabolism.
–Assessment by bone scintigraphy–

(Department of Oral and Maxillofacial Surgery, Kagawa University) **Yumiko Ohbayashi**

JSNM Working Groups Reporting Sessions

Thursday Oct.5 8:30-9:30, Room 8

Chair : Masayuki Sasaki (Kyushu University)

Ukihide Tateishi (Tokyo Medical and Dental University)

1. Treatment response evaluation of malignant solid tumors using FDG-PET: a Japanese multicenter study

(Department of Radiology, Hyogo College of Medicine) **Kazuhiro Kitajima**

2. Investigation research on overseas trends of unapproved internal radiation therapies and problems in introducing them in Japan

(Department of Nuclear Medicine, University of Wuerzburg) **Kazuhito Fukushima**

JSNM Asian Young Investigator Award 2017

Thursday Oct.5 9:30-10:20, Room 8

Chair : Harumi Sakahara (Department of Radiology, Hamamatsu University School of Medicine)

Masayuki Sasaki (Medical Quantum Science, Graduate School of Medical Sciences, Kyushu University)

1. Glucagon-Like Peptide-1 Receptor PET/CT with ⁶⁸Ga-NOTA-Exendin-4 for Detecting Localized Insulinoma: A Prospective Cohort Study

(Department of Nuclear Medicine, Peking Union Medical College Hospital, China) **Yaping Luo**

2. Hybridization-based aptamer labeling using complementary oligonucleotide platform for PET and optical imaging

(Department of Nuclear Medicine, Severance Hospital, Yonsei University College of Medicine, Korea) **Jun Young Park**

JSNM Young Investigator Award 2017

Thursday Oct.5 10:20-11:15, Room 8

Chair : Harumi Sakahara (Department of Radiology, Hamamatsu University School of Medicine)

Masayuki Sasaki (Medical Quantum Science, Graduate School of Medical Sciences, Kyushu University)

1. Association between A β and tau accumulations and their influence on clinical features in aging and Alzheimer's disease spectrum brains: A [¹¹C]PB3-PET study

(Department of Functional Brain Imaging Research, National Institute of Radiological Sciences) **Hitoshi Shimada**

2. Structure-Activity Relationship of 2-Arylquinolines as PET Imaging Tracers for Tau Pathology in Alzheimer Disease

(Tokyo Metropolitan Institute of Gerontology) **Tetsuro Tago**

3. Characterisation of radioiodinated flavonoid derivatives for SPECT imaging of cerebral prion deposits

(Nagasaki University Graduate School of Biomedical Sciences) **Takeshi Fuchigami**

JSNM Returnee Award 2017

Thursday Oct.5 11:15-11:30, Room 8

Chair : **Harumi Sakahara** (Department of Radiology, Hamamatsu University School of Medicine)

Masayuki Sasaki (Medical Quantum Science, Graduate School of Medical Sciences, Kyushu University)

(Department of Radiology, Nippon Medical School) **Tetsuro Sekine**

Brain Imaging Seminar

Saturday Oct.7 13:30-15:45, Room 5

Myelin mapping - non-invasive approach for myelination and remyelination

Chair : **Hiroshi Matsuda** (Integrative Brain Imaging Center, National Center of Neurology and Psychiatry)

(Molecular Neurobiology, School of Pharmacy, Tokyo University of Pharmacy and Life Sciences) **Hiroko Baba**

(Integrative Brain Imaging Center, National Center of Neurology and Psychiatry) **Kohichi Kato**

(Department of Orthopedic Surgery, National Hospital Organization Murayama Medical Center)

Kanehiro Fujiyoshi

Respiratory Imaging Seminar

Saturday Oct.7 14:00-16:15, Room 6

Chair : **Hiroaki Kurihara** (National Cancer Center Japan)

Tsuyoshi Kawano (Yuai Clinic)

Tae Iwasawa (Dept. of Radiology, Kanagawa Cardiovascular & Respiratory Center)

(Dept. of Radiology, Kanagawa Cardiovascular & Respiratory Center) **Tae Iwasawa**

(Department of Pathology, Yokohama City University) **Koji Okudera**

(Department of Thoracic Surgery, University of Tokyo) **Masaaki Sato**

JSNM General Meeting

Friday Oct.6 17:30-18:30, Room 2

Oral

Radionuclide therapy

Thursday Oct.5 8:30-9:30, Room 5

Chair : Katsuhiko Kato (Department of Radiological Sciences, Nagoya University)

Ryuichi Nishii (National Institute of Radiological Sciences)

- MM1VA-01 Development of $^{67/68}\text{Ga}$ -labeled DOTATOC derivatives suitable for theranostics
(Graduate School of Pharmaceutical Sciences, Chiba University) **Hiroyuki Suzuki**
- MM1VA-02 The therapeutic efficacy of ^{90}Y -labeled anti-podoplanin IgG in a mesothelioma mouse model
(Department of Molecular Imaging and Theranostics, National Institute of Radiological Sciences, QST)
Atsushi B. Tsuji
- MM1VA-03 Intraperitoneal radioimmunotherapy with ^{64}Cu -labeled cetuximab for peritoneal dissemination
(Natl Inst Quantum Rad Sci Tech, Natl Inst Rad Sci) **Yukie Yoshii**
- MM1VA-04 Investigation of various conditions on DOTA labeling of ^{225}Ac
(Faculty of Health Sciences, Kanazawa University) **Toshiki Kato**
- MM1VA-05 Theranostics of sentinel lymph node metastasis using anti-EGFR Affibody
(Oral and Maxillofacial Radiology, The Nippon Dental University School of Life Dentistry at Niigata)
Makoto Tsuchimochi
- MM1VA-06 Evaluation of ^{223}Ra accumulation by SPECT-CT
(Shirakawa Kosei General Hospital) **Shimpei Urabe**

PET: Technology 1

Thursday Oct.5 9:30-10:30, Room 5

Chair : Masahisa Onoguchi (Department of Quantum Medical Technology, Kanazawa University)

Kazuhiro Takahashi (Department of Diagnostic Radiology, Keio University)

- MM1VB-01 PVC-optimized registration between DAT SPECT and MR images
(Department of Radiology and Nuclear Medicine, Research Institute for Brain and Blood Vessels - Akita)
Keisuke Matsubara
- MM1VB-02 Evaluation of clinical image quality of digital PET/CT with silicon photomultiplier tube (SiPM)
(Atsuchi Memorial Clinic PET Center) **Seishi Jinnouchi**
- MM1VB-03 CT dose modulation using automatic exposure control in whole-body PET/CT
(Department of Diagnostic Radiology, Kitasato University) **Yusuke Inoue**
- MM1VB-04 Imaging of hand inflammation using high resolution PET camera, PEM
(Sendai Medical Imaging Center) **Masatoshi Itoh**
- MM1VB-05 Static and moving phantom studies for radiation treatment planning in a 4-dimensional PET/CT
(Division of Positron Emission Tomography, Institute of Advanced Clinical Medicine, Kindai University)
Kohei Hanaoka

- MM1VB-06** Verification of physical parameters in whole-body dynamic imaging with positron emission tomography
(Department of Radiology, Juntendo University Hospital.) **Hideo Yamamoto**

PET: Technology 2 Thursday Oct.5 10:30-11:30, Room 5

Chair : Masayuki Inubushi (Department of Radiology, Kawasaki Medical School)

Hiroshi Watabe (Cyclotron and Radioisotope Center, Tohoku University)

- MM1VC-01** Impact of MR segmentation on partial volume correction in brain PET/MRI studies
(Department of Radiology and Nuclear Medicine, Research Institute for Brain and Blood Vessels - Akita) **Keisuke Matsubara**
- MM1VC-02** Influence of new reconstruction parameters and acquisition time in flexible PET images
(Department of Diagnostic Imaging and Nuclear Medicine, Kyoto University) **Ryusuke Nakamoto**
- MM1VC-03** Cross-calibration method for estimation of arterial input function on PET/MRI
(University of Fukui, Biomedical Imaging Research Center) **Hidehiko Okazawa**
- MM1VC-04** Investigation for the most adequate number of phases on respiratory gate PET scan in a large FOV TOF PET-CT
(Toshiba Medical Systems) **Nobutoku Motomura**
- MM1VC-05** Evaluation of Point-Spread-Function Correction for Large-Bore TOF PET-CT
(Toshiba Medical Systems Corporation) **Kenta Moriyasu**
- MM1VC-06** Development of analysis software package for JSNM PET Imaging Site Qualification Program
(Kyoto College of Medical Science) **Keiichi Matsumoto**

PET: Quantitative analysis Thursday Oct.5 13:30-14:30, Room 5

Chair : Eku Shimosegawa (Department of Molecular Imaging in Medicine, Osaka University)

Miwako Takahashi (Department of Radiology, The University of Tokyo)

- MM1VD-01** Quantitative fluctuation of a Bayesian penalized-likelihood PET reconstruction
(Department of Diagnostic Imaging and Nuclear Medicine, Kyoto University) **Takayoshi Ishimori**
- MM1VD-02** Progress report on calibration and evaluation method with traceable point-like sources for PET
(Kitasato Univ.) **Tomoyuki Hasegawa**
- MM1VD-03** Detectability, quantitative value and image quality in mobile PET scanning with three different layouts
(Department of Diagnostic Imaging and Nuclear Medicine, Kyoto University) **Masao Watanabe**
- MM1VD-04** Examination of the bladder artifact by the SUV variability
(Central CI Clinic) **Shinji Ochi**

- MM1VD-05 Validation of a non-invasive analysis method for CBF PET
(Akita Research Institute of Brain and Blood Vessels) **Masanobu Ibaraki**
- MM1VD-06 Use of a digital phantom developed by QIBA for harmonizing SUVs: a multi-center study
(Department of Radiology, Keio University) **Tadaki Nakahara**

Oncology: GI, Soft tissue, Lung
Thursday Oct.5 14:30-15:30, Room 5

Chair : Yuji Nakamoto (Department of Diagnostic Imaging and Nuclear Medicine, Kyoto University)
Yukiko Arisaka (Department of Diagnostic Radiology and Nuclear Medicine, Gunma University)

- MM1VE-01 Pancreatic FDG accumulation on follow-up PET/CT in the cancer-carrying patients
(Department of Radiology, Kochi University) **Hitomi Iwasa**
- MM1VE-02 Assessment of obscure gastrointestinal bleeding using gastrointestinal bleeding scintigraphy
(Department of Nuclear Medicine, Osaka City University) **Kohei Kotani**
- MM1VE-03 The differentiation of primary musculoskeletal lesions using ¹⁸F-FDG-PET/CT
(Division of Radiology, Tottori University) **Mana Ishibashi**
- MM1VE-04 Texture analysis of FDG PET may reflect proliferative activity of soft tissue sarcoma
(National Hospital Organization Hokkaido Cancer Center) **Tomoka Kitao**
- MM1VE-05 A case of severe scoliosis with multiple bone metastasis identified by the fusion of SPECT and CT
(Chiba Cancer Center) **Kazuyuki Ogawa**
- MM1VE-06 Prediction of hypoxia using CT texture analysis in patients with non-small cell lung cancer
(Department of Nuclear Medicine, Hokkaido University) **Shiro Watanabe**

Oncology: Neuroendocrine tumor
Thursday Oct.5 15:30-16:30, Room 5

Chair : Tsuneo Saga (Department of Diagnostic Radiology, Kyoto University Hospital)
Noritoshi Kobayashi (Department of Oncology, Yokohama City University)

- MM1VF-01 Clinical feasibility of early scanning after administration of ⁶⁸Ga-DOTATOC
(Department of Diagnostic Imaging and Nuclear Medicine, Kyoto University) **Yuji Nakamoto**
- MM1VF-02 Physiological uptake in the pancreatic uncus on somatostatin receptor scintigraphy
(Department of Diagnostic Radiology, Kurashiki Central Hospital) **Shunsuke Yuge**
- MM1VF-03 Efficacy of quantitative assessment and optimal imaging time of somatostatin receptor scintigraphy
(Department of Radiology, Kyoto Prefectural University of Medicine) **Shigenori Matsushima**

- MM1VF-04** Comparative study of somatostatin receptor sintigraphy and pathological findings about NETs
(Oncology Division, Yokohama City University Hospital) **Noritoshi Kobayashi**
- MM1VF-05** The relationship between SRE and flare phenomenon for breast cancer patients with bone metastasis
(Kanagawa Cancer Center, Department of Radiology and IVR) **Yayoi Yamamoto**
- MM1VF-06** The first NET patient introduced to Wuerzburg Univ. to treat with ¹⁷⁷Lu-DOTATOC therapy
(Department of Nuclear Medicine, Wuerzburg University) **Kazuhiro Fukushima**

Oncology: CNS Thursday Oct.5 8:30-9:30, Room 6

Chair : Tohru Shiga (Department of Nuclear Medicine, Hokkaido University)
Atsutaka Okizaki (Department of Radiology, Asahikawa Medical University)

- MM1VIA-01** The comparison between a new PET probe (¹⁸F-fluciclovine) and ¹¹C- Methionine for brain tumors
(Department of Neurosurgery, Asahikawa Medical University) **Naohiro Tsuyuguchi**
- MM1VIA-02** MET and FDG PET for the evaluation of meningioma
(Department of Radiology, Kagawa University) **Katsuya Mitamura**
- MM1VIA-03** ¹¹C-4DST PET in patients with newly diagnosed glioma: Comparison with Gd-DTPA enhanced MRI
(Department of Radiology, Kagawa University) **Fumitoshi Aga**
- MM1VIA-04** Heterogeneity of amino acid metabolism using fractal analysis of methionine PET: Prognosis in glioma
(Department of Diagnostic Imaging and Nuclear Medicine, Tokyo Women's Medical University)
Reiko Nakajima
- MM1VIA-05** Comparison of MIBG regional heart mediastinum ratio between Lewy Bodies disease and parkinson syndrome
(Yamagata Prefectural Shinjo Hospital) **Souichi Ono**
- MM1VIA-06** ¹⁸F-FDG PET/CT versus ¹¹C-methionine PET/CT in evaluation of atypical / anaplastic meningioma
(Department of Neuroradiology, Southern Tohoku Research Institute for Neuroscience)
Noriaki Tomura

Oncology: Urological Thursday Oct.5 9:30-10:30, Room 6

Chair : Noriyuki Shuke (Kushiro Kojinkai Memorial Hospital)
Mitsuaki Tatsumi (Department of Radiology, Osaka University Hospital)

- MM1VIB-01** Focal or asymmetric FDG uptake within the prostate in patients with untreated prostatic cancer
(Kochi Medical School) **Yoriko Murata**

- MM1VIB-02 Texture analysis of FDG PET/CT for differentiating between benign and malignant adrenal tumors
(Department of Radiology, Kagoshima Prefectural Oshima Hospital) **Masatoyo Nakajo**
- MM1VIB-03 Comparison of ^{11}C -Choline-PET, FDG-PET and MR-permeability imaging in detection of prostate cancer
(Department of Diagnostic Radiology, Southern TOHOKU General Hospital) **Toshiyuki Saginoya**
- MM1VIB-04 Clinical evaluation of ^{89}Zr -Df-IAB2M PET in prostate cancer patients
(Faculty of Medicine, University of Tsukuba) **Motohiro Sato**
- MM1VIB-05 Combination therapy with Enzalutamide, Cabazitaxel and Ra-223: A case report
(Department of Urology, Ibaraki Medical Center, Tokyo Medical University) **Isao Kuroda**
- MM1VIB-06 Early response to Ra-223 radionuclide therapy evaluated by bone SUV in bone metastases of prostate cancer
(Department of Nuclear Medicine, Saitama Medical University International Medical Center) **Ichiei Kuji**

PET: Cardiovascular Thursday Oct.5 10:30-11:30, Room 6

Chair : Shinichiro Kumita (Department of Radiology, Nippon Medical School)

Masao Miyagawa (Department of Radiology, Ehime University)

- MM1VIC-01 Improvement in Estimation of CFR in the ischemic myocardial lesion using ^{15}O - H_2O PET
(Faculty of Health Sciences, Hokkaido University) **Chietsugu Katoh**
- MM1VIC-02 Comparison of MBF/CFR in PET with degree of coronary artery stenosis and visual findings
(Department of Radiology, Kushiro Kojinkai Memorial Hospital) **Noriyuki Shuke**
- MM1VIC-03 Microvascular dysfunction and endocardial ischemia in the patients with end stage renal disease
(Nagoya Radiology Foundation) **Satoru Ohshima**
- MM1VIC-04 Prognostic impact of FDG-PET/CT using quantitative analysis in patients with cardiac sarcoidosis
(Department of Radiology, Nippon Medical School Hospital) **Takahiro Ando**
- MM1VIC-05 Regional myocardial sympathetic innervation in HFpEF: ^{11}C -hydroxyephedrine PET study
(Hokkaido University) **Tadao Aikawa**
- MM1VIC-06 Repeatability of the quantitative FDG uptake analysis in cardiac sarcoidosis patients
(Department of Nuclear Medicine, Hokkaido University) **Osamu Manabe**

Oncology: Thyroid 1 Thursday Oct.5 13:30-14:20, Room 6

Chair : Tatsuya Higashi (National Institute of Radiological Sciences)
Yayoi Yamamoto (Kanagawa Cancer Center)

- MM1VID-01 Does parotid gland uptake change by repeated RAIT in patients with thyroid carcinoma?
(Department of Radiology, Kagoshima University) **Atsushi Tani**
- MM1VID-02 Examination of Ablation with high-dose I-131 for Differentiated Thyroid Cancer
(Department of Nuclear Medicine, Osaka City University) **Atsushi Yoshida**
- MM1VID-03 Does rhTSH aided remnant tissue ablation by low dose I-131 induce saliivary glkand damages?
(Department of Radiology, Hokko Memorial Hospital) **Kunihiro Nakada**
- MM1VID-04 Comparison of the Prescribed Dose of Radioiodine Ablation in patients with Thyroid Cancer
(Department of Radiation Oncology and Image-Applied Therapy, Kyoto University) **Yusuke Iizuka**
- MM1VID-05 Reconsideration of use of carrageenan and red-dye#3 prior to radioiodine therapy for thyroid diseases
(Department of Radiology, Hokko Memorial Hospital) **Kunihiro Nakada**

Oncology: Thyroid 2 Thursday Oct.5 14:30-15:30, Room 6

Chair : Takashi Kudo (Atomic Bomb Disease Institute, Nagasaki University)
Naoya Yama (Department of Diagnositc Radiology, Sapporo Medical University)

- MM1VIE-01 Evaluation of thyroid bed accumulation in ¹³¹I therapy for thyroid cancer
(Saku Central Hospital) **Akihiro Ichikawa**
- MM1VIE-02 Experience of I-131 therapy for Graves' disease patients with giant goiter
(Department of Radiology, Kagoshima University) **Megumi Jinguji**
- MM1VIE-03 Measurement of urinary HCG (human chorionic gonadotropin) just before ¹³¹I administration
(Department of thyroid disease, Public Central Hospital of Matto Ishikawa) **Kunihiko Yokoyama**
- MM1VIE-04 Thyroid scintigraphy using a semi-conductor SPECT: detection of functioning thyroid nodules
(Department of thyroid disease, Public Central Hospital of Matto Ishikawa) **Kunihiko Yokoyama**
- MM1VIE-05 Is a single high dose (1.11 GBq) I-131 therapy for refractory Grave's disease with large goiter effective?
(Department of nuclear medicine Hokkaido University) **Tohru Shiga**
- MM1VIE-06 Sequential changes of TRAb following radioiodine therapy for Graves' hyperthyroidism
(Department of Radiology, Hokko Memorial Hospital) **Kunihiro Nakada**

CNS: SPECT

Thursday Oct.5 15:30-16:40, Room 6

Chair : Hiroshi Toyama (Department of Radiology, Fujita Health University)
Kohei Hayashida (Takeda Oncologic Positron Imaging Center)

- MM1VIF-01 Cortical spreading depression observed in postoperative brain SPECT of Moyamoya disease
(Department of Radiology, National Cerebral and Cardiovascular Center) **Atsushi Kono**
- MM1VIF-02 Availability of the ioflupane and the MIBG cardiac scintigraphy on the diagnosis of the Parkinson disease
(Department of Radiology, Yamanashi University) **Takako Umeda**
- MM1VIF-03 Exercise-evoked changes in cerebral blood flow among patients suffered from cerebrovascular diseases
(Hosei University, Faculty of Sports and Health Studies) **Mikio Hiura**
- MM1VIF-04 Evaluation of cerebral blood flow using I-123 FP-CIT early image -Comparison with Tc-99m ECD-
(Department of Radiology, Fukuoka University Hospital) **Masanari Nonokuma**
- MM1VIF-05 Investigation on Definition and CBF-SPECT Finding of Rete Mirable
(Department of Radiology, Saitama Medical Center, Saitama Medical University) **Atsushi Abe**
- MM1VIF-06 ¹²³I-FP-CIT SPECT in Machado-Joseph disease
(Department of Radiology, Nagasaki Kita Hospital) **Makoto Ochi**
- MM1VIF-07 Development of MR Image based Attenuation Correction Method
(Fujita Health University School of Health Sciences) **Takashi Ichihara**

Poster**PET: Analysis****Thursday Oct.5 13:30-14:30, Posters**

Chair : Kazunari Ishii (Department of Radiology, Kindai University)

- MP1A-01 Phantom evaluation of tumor SUV repeatability for conformance to the QIBA FDG-PET/CT profile
(Institute of Biomedical Research and Innovation) **Go Akamatsu**
- MP1A-02 Comparison of image-derived and arterial input functions in measurement of pulmonary blood flow
(Department of Molecular Imaging in Medicine, Osaka University) **Keiko Matsunaga**
- MP1A-03 Quantitative measurement of the ratio of bronchial arterial blood flow to pulmonary arterial blood flow
(Department of Molecular Imaging in Medicine, Osaka University) **Keiko Matsunaga**
- MP1A-04 Brain tumor PET imaging optimization with time-of-flight and point spread function modeling
(Central division of Radiology, Mie University Hospital) **Yoya Tomita**
- MP1A-05 Difference of scatter correction method on measurement value [150] H2O Brain-PET
(Nagoya City Rehabilitation Center) **Emi Hayashi**
- MP1A-06 Comparison of OSEM vs. BSREM PET Reconstruction using NEMA Phantom in SiPM PET/MR
(GE Healthcare, MR Applications and Workflow) **Takako Kurimoto**
- MP1A-07 Statistical Accuracy Improvement of Dynamic Images Using Differential Dynamic Image Reconstruction
(Sumitomo Heavy Industries, Ltd.) **Takashi Yamaguchi**

Oncology: PET1**Thursday Oct.5 14:30-15:30, Posters**

Chair : Tatsuo Torizuka (Hamamatsu PET Center)

- MP1B-01 Evidence Map of PET in the Clinical Management of Glioma
(Komaki City Hospital) **Takashi Nihashi**
- MP1B-02 Carcinoid tumor of the lung with intense FDG uptake, resulting postoperative liver metastasis
(Department of Diagnostic Radiology, Shikoku Cancer Center) **Yuta Yamamoto**
- MP1B-03 The relationship between ^{18}F -fluoromisonidazole uptake and prognosis among patients with gliomas
(Department of Radiology, Yamagata Prefectural Shinjo Hospital) **Yasuhiro Sugai**
- MP1B-04 A case of burned-out testicular tumor detected by a decrease of physiologic uptake on FDG-PET/CT
(Department of Radiology, University of the Ryukyus) **Maho Tsubakimoto**

- MP1B-05 Glucose control for FDG-PET/CT in diabetic patients on multiple insulin injection: a pilot study
 (Department of Diagnostic Radiology, Aizawa Hospital) **Kikuko Kaneko**
- MP1B-06 Clinical significance of pattern of increased FDG uptake in the thyroid gland
 (Department of Radiology, Kurume University) **Fumihiko Tsubaki**
- MP1B-07 Comparison of cancer findings in multiple modalities cancer screening
 (Saitama Central Clinic) **Hirofumi Shibata**
- MP1B-08 Consideration of PET-CT cancer screening in Saku Central Hospital
 (Saku Central Hospital Advanced Care Center) **Atsushi Shimizu**

Oncology: PET2 Thursday Oct.5 15:30-16:30, Posters

Chair : Seishi Jinnouchi (Atsuchi Memorial Clinic PET Center)

- MP1C-01 FDG-PET findings in three patients with Langerhans cell histiocytosis
 (Tenri Hospital) **Tsuyoshi Suga**
- MP1C-02 One case of combined type HCC which presented FDG high accumulation by an examination for PET-CT
 (Department of Diagnostic Radiology, National Cancer Center Hospital East) **Yoshihiro Nakagami**
- MP1C-03 Changes of Hemoglobin Concentration and FDG Uptake after Chemotherapy in Breast Cancer
 (Department of Diagnostic Radiology & Nuclear Medicine, Hamamatsu University)
Nobuko Yoshizawa
- MP1C-04 Clinical experiences of dedicated breast PET
 (Department of Gastroenterological Surgery, Yokohama City University) **Sadatoshi Sugae**
- MP1C-05 A case of tumor embolus in the pulmonary vein of the malignant melanoma : incidental diagnosis by PET/CT
 (Dokkyo Medical University Koshigaya Hospital) **Masahiro Imaizumi**
- MP1C-06 Diagnostic capacity of dynamic FDG PET/CT in patients with the malignant musculoskeletal tumor
 (Department of Radiology, Okayama University Hospital) **Takayoshi Shinya**
- MP1C-07 A case of pure ground-glass opacity presenting FDG uptake and enlargement in short period
 (Department of Diagnostic Radiology, Shikoku Cancer Center) **Nobuko Tokunaga**

Oncology: PET/SPECT Thursday Oct.5 14:30-15:30, Posters

Chair : Takayoshi Ishimori (Department of Diagnostic Imaging and Nuclear Medicine, Kyoto University)

- MP1D-01 Liver uptake mechanism and transport inhibition effect of ^{99m}Tc-tetrofosmin
 (Department of Radioisotope Medicine, Atomic Bomb Disease Institute, Nagasaki University)
Kodai Nishi

- MP1D-02** Utility of Ga scintigraphy in systemic disorders
(Japanise Red Cross Otsu Hospital Department of Radiology) **Jumpei Fujimoto**
- MP1D-03** Evaluation of uptake ratio of In-111 pentetretotide accumulation in neuroendocrine tumor
(Department of Radiology, Fukushima Medical University) **Hiroki Suenaga**
- MP1D-04** Comparison of sensitivity of sentinel lymph nodes in breast cancer; planar v.s fusion SPECT/CT images
(Department of Radiology, Osaka Medical College Hospital) **Takamitsu Hamada**
- MP1D-05** A case of tumor induced osteomalacia diagnosed with somatostatin receptor scintigraphy and FDG PET
(Nagasaki University, Department of Radiological Science) **Satomi Mine**
- MP1D-06** Initial examination of the semiquantitative analysis of follow-up cases using bone SPECT
(Nagoya Medical Center) **Yoshio Ando**
- MP1D-07** A Case Of Intravascular lymphoma with incidental Pancreatic Cancer detected by FDG-PET/CT
(Department of Nuclear Medichine, Saitema Medical Center) **Yuji Shimizu**
- MP1D-08** A Case Of Hepatic epithelioid angiomyolipoma with malignant potential showing high FDG uptake
(Department of Nuclear Medichine, Saitema Medical Center) **Yuji Shimizu**

Oncology, Inflammation Thursday Oct.5 13:30-14:30, Posters

Chair : Ichiei Kuji (Department of Nuclear Medicine, Saitama Medical University)

- MP1E-01** SUV analysis of ^{99m}Tc-HMDP SPECT/CT in cases of Osteomyelitis of the jaw
(Department of Diagnositic Radiology, Sapporo Medical University) **Naoya Yama**
- MP1E-02** Possible benefits of vorinostat in the treatment of malignant pheochromocytoma with MABG
(National Institute for Quantum and Radiological Science and Technology) **Yasuhiro Ohshima**
- MP1E-03** F-18 FDG PET/CT is useful in the staging of alveolar rhabdomyosarcoma
(Department of Radiology, Kyoto Prefectural University of Medicine) **Motoki Nishimura**
- MP1E-04** Increased accumulation of ¹¹¹In-pentetretotide in prostate cancer: a case report
(Department of Radiology, Akita University) **Masazumi Matsuda**
- MP1E-05** PET imaging of IgG4-related disease:A comparative study of ¹⁸F-FAMT PET/CT and ¹⁸F-FDG PET/CT
(Department of Diagnostic Radiology and Nuclear Medicine, Gunma University) **Azusa Tokue**
- MP1E-06** FDG accumulation in interstitial change of the lung field on computed tomography
(Shiga University of Medical Science) **Ayumi Nitta-Seko**

Cardiovascular, Major vessels

Thursday Oct.5 15:30-16:30, Posters

Chair : Seiji Tomiguchi (Department of Medical Imaging, Kumamoto University)

- MP1F-01** Evaluation of Tc-99m MIBI-washout in patients with acute myocardial infarction
(Central Radiology Block, Gifu Prefectural General Medical Center) **Mieko Ota**
- MP1F-02** Comparison of visual assessment and software analysis in myocardial SPECT with multivessel disease
(Division of Radiology, Gunma Prefectural Cardiovascular Center) **Keiko Koyama**
- MP1F-03** Comparison of software analysis and interpretation of medical staffs in myocardial perfusion SPECT
(Department of Radiology, Gunma Prefectural Cardiovascular Center) **Daichi Ogura**
- MP1F-04** Diagnostic Usefulness of the Integer Scores Combined with Myocardial SPECT on CZT camera
(Department of Cardiology, Tokyo Medical University, Tokyo, Japan) **Kimihiko Hirose**
- MP1F-05** Coronary NaF-PET/CT findings in acute and chronic phase of a patient with acute myocardial infarction
(Positron Imaging Center, Aizawa hospital) **Kazuhiro Oguchi**
- MP1F-06** Effective pretreatment and predictors on suppressing physiologic myocardial ¹⁸F- FDG uptake in normal healthy subjects
(Gaien Higashi Clinic) **Jin Wu**
- MP1F-07** Clinical features of blunted heart rate response to adenosine with stress myocardial perfusion imaging
(Department of Nursing, Matsuyama Heart Center Yotsuba Circulation Clinic) **Aya Kashima**
- MP1F-08** Detection of increased FDG uptake in the atria by PET/CT in patients with atrial fibrillation
(Ehime University) **Emiri Watanabe**

Oral

Dementia

Friday Oct.6 8:30-9:30, Room 5

Chair : Haruo Hanyu (Department of Geriatric Medicine, Tokyo Medical University Hospital)

Sunao Mizumura (Department of Radiology, Toho University Omori Medical Center)

- MM2VA-01** Voxel-based statistical analysis of amyloid PET equivocal scans in the J-ADNI multi-center study
(Division of Molecular Imaging, Institute of Biomedical Research and Innovation) **Go Akamatsu**
- MM2VA-02** Comparison of FDG and MR Images in the differential diagnosis of dementia using machine learning
(Tokyo Metropolitan Institute of Gerontology) **Muneyuki Sakata**
- MM2VA-03** Imaging-autopsy correlation analysis of [¹⁸F]THK-5351 in Alzheimer's disease
(Department of Pharmacology, Tohoku University) **Ryuichi Harada**
- MM2VA-04** Comparison between CBF and amyloid burden using I-123 IMP-SPECT and F-18 Florbetapir-PET in MCI and AD
(Department of Radiology, The University of Tokyo) **Miwako Takahashi**
- MM2VA-05** Analysis of tau accumulation pattern in Diabetes related dementia
(Department of Geriatric Medicine, Tokyo Medical University) **Naoto Takenoshita**
- MM2VA-06** Clinical impact of F-18 Flutemetamol PET for diagnosis of cognitive disorder
(LSI Sapporo Clinic) **Naoya Hattori**

Oncology: Cancer screening

Friday Oct.6 9:30-10:20, Room 5

Chair : Koji Murakami (Department of Radiology, Juntendo University Hospital)

Kazuhiro Kitajima (Department of Radiology, Hyogo College of Medicine)

- MM2VB-01** Usefulness of both PET/CT and Diffusion Weighted Image in the result of cancer screening in our hospital
(Gaienhigashi Clinic) **Hiroto Sasamori**
- MM2VB-02** About various benign disorders in FDG-PET/CT examination
(Department of General Diagnosis and Treatment, Fukuoka Kieikai Hospital) **Kenkichi Baba**
- MM2VB-03** Relationship between hepatic FDG uptake and age
(Department of Clinical Radiology, Kyushu University) **Takuro Isoda**
- MM2VB-04** Clinical significance of unilateral accumulation in the shoulder joint with PET/CT physical check-up
(Takeda Oncologic Positron Imaging Center) **Kohei Hayashida**
- MM2VB-05** Clinical experience of ¹⁸F-FDG PET/CT for 11years
(Keiyukai Sapporo Hospital) **Kazuo Itoh**

Oncology: Thoracic, SUV Friday Oct.6 10:30-11:10, Room 5

Chair : Tadaki Nakahara (Department of Radiology, Keio University)
Ayako Hino (Department of Radiology, Yokohama City University)

- MM2VC-01 Analysis of FDG-PET cases for the purpose of cancer staging
(JA Onomichi General Hospital) **Hiroki Mori**
- MM2VC-02 Evaluation of SUVs of small lung nodules using digital PET/CT with silicon photomultiplier tube (SiPM)
(Atsuchi Memorial Clinic) **Hiroaki Tanabe**
- MM2VC-03 Role of FDG PET in the lung cancer that occurred on the emphysematous pulmonary cyst wall
(Asanogawa General Hospital) **Kotaro Higashi**
- MM2VC-04 Pathological analysis of FDG-PET/CT false negative lymph node metastasis in patients with lung cancer
(Positron Imaging Center, Aizawa hospital) **Kazuhiro Oguchi**

Oncology: Lymphoma, Sentinel LN Friday Oct.6 13:30-14:10, Room 5

Chair : Shigeki Nagamachi (Department of Radiology, Fukuoka University)
Munenobu Nogami (Department of Radiology, Kobe University Hospital)

- MM2VD-01 TAFRO syndrome and Castleman disease evaluated with FDG-PET imaging
(Department of Radiology, Kanazawa Medical University) **Naoto Watanabe**
- MM2VD-02 An utilization of high-resolution image for F-18 FDG PET in patients with malignant lymphoma
(Department of Radiology, Asahikawa Medical University) **Atsutaka Okizaki**
- MM2VD-03 Review of Post chemotherapy F-18 FDG uptake in femoral bone marrow in the patients with malignant lymphoma
(Chiba Cancer Center) **Junpei Kuyama**
- MM2VD-04 Sentinel lymphoscintigraphy in patients with malignant skin neoplasms of the trunk
(Department of Radiology, Hirosaki University) **Hiroyuki Miura**

Cardiovascular: SPECT 1 Friday Oct.6 14:30-15:30, Room 5

Chair : Takuji Toyama (Toyama Clinic)
Hirotaka Maruno (Department of Radiology, Toranomon Hospital)

- MM2VE-01 ^{99m}Tc-PYP Scintigraphy for diagnosis of cardiac amyloidosis: Planar image vs. SPECT/CT
(Diagnostic Radiology, Kumamoto University) **Shinya Shiraishi**
- MM2VE-02 The usefulness of regional phase analysis by each coronary vessels between pre-PCI and post PCI
(Departments of Radiology, University of Miyazaki) **Tamasa Terada**

- MM2VE-03** The relationship between LV phase analysis and myocardial perfusion indices using a semiconductor SPECT
(Department of Diagnostic Radiology, Kumamoto University) **Noriko Tsuda**
- MM2VE-04** Myocardial Perfusion Quantitative Analysis by D-SPECT: Influences of ROI Differences to Measurement
(Department of Radiology, National Cerebral and Cardiovascular Center) **Keisuke Kiso**
- MM2VE-05** Impact of ventricular pacing on left ventricular function: Evaluation with ECG-gated myocardial SPECT
(Department of Radiology, Akita City General Hospital) **Nanako Suzuki**
- MM2VE-06** Phase dyssynchrony analysis in gated cardiac SPECT: Comparison of four software packages
(Kanazawa Medical University) **Koichi Okuda**

Cardiovascular: SPECT 2 Friday Oct.6 15:30-16:30, Room 5

Chair : Keiichiro Yoshinaga (National Institute of Radiological Sciences)
Yoshihiro Nishiyama (Department of Radiology, Kagawa University)

- MM2VF-01** Influence of catheter intervention in stable angina patients estimated by myocardial perfusion SPECT
(Department of Cardiology, Japanese Red Cross Kyoto Daini Hospital) **Tomohiko Sakatani**
- MM2VF-02** Validation of ^{99m}Tc-PYP SPECT/CT for classifying types of cardiac amyloidosis
(Diagnostic Radiology, Kumamoto University) **Kouji Ogasawara**
- MM2VF-03** Novel Approach for right ventricular functional analysis with QGS software
(Department of Radiology, National Cerebral and Cardiovascular Center) **Keisuke Kiso**
- MM2VF-04** Usefulness of MAA SPECT/CT with lobular segmentation for the treatment assessment of CTEPH
(Department of Clinical Radiology, Kyushu University Hospital) **Shingo Baba**
- MM2VF-05** Utility of the quantification of ⁶⁷Ga uptake for detecting inflammation in cardiac sarcoidosis
(Department of Radiology, National Cerebral and Cardiovascular Center) **Emi Tateishi**
- MM2VF-06** Feature of adenosine thallium-201 scintigraphy in patients with non ischemic congestive heart failure
(Division of Nuclear Cardiology Kakogawa Central City Hospital) **Hiroyuki Namura**

Oncology: Musculoskeletal Friday Oct.6 8:30-9:10, Room 6

Chair : Naoto Watanabe (Department of Radiology, Kanazawa Medical University)
Yoshitaka Uchida (Sannoh Hospital)

- MM2VIA-01** Prognostic value of pretreatment ¹⁸F-FDG PET/CT in patients with malignant pleural mesothelioma
(Department of Radiology, Division of Nuclear Medicine and PET Center, Hyogo College of Medicine)
Kazuhiro Kitajima

Oral 2nd Day

- MM2VIA-02 Early detection and risk assessment of medication-related osteonecrosis of the jaw with FDG-PET/CT
(Department of Nuclear Medicine, Kanazawa University Hospital) **Satoru Watanabe**
- MM2VIA-03 A case of Somatostatin Receptor Scintigraphy for Tumor induced hypophosphatemic osteomalacia
(Department of Nuclear Medicine, Osaka City University) **Shigeaki Higashiyama**
- MM2VIA-04 Usefulness of indicators of FDG-PET/CT in predicting treatment effect of chemotherapy of osteosarcoma
(Department of clinical radiology, Kyushu University) **Keiichiro Tahara**

Oncology: Gastrointestinal Friday Oct.6 9:30-10:10, Room 6

Chair : Yuji Nakamoto (Department of Diagnostic Imaging and Nuclear Medicine, Kyoto University)
Kentarō Takanami (Department of Diagnostic Radiology, Tohoku University)

- MM2VIB-01 Assesment of prognosis using volumetric parameters in resected esophageal cancer patients
(Department of Radiology, Kindai University) **Hayato Kaida**
- MM2VIB-02 F-18 FDG PET/MR for Evaluation of Physiological FDG Uptake of the Digestive Tract
(Department of Radiology, Kobe University Hospital) **Munenobu Nogami**
- MM2VIB-03 Selective measurement of the gastrointestinal absorption function using the oral amino acid drugs
(School of Health Sciences, Kanazawa University) **Masaaki Ihara**
- MM2VIB-04 ^{99m}Tc GSA SPECT/CT imaging for evaluation of response to percutaneous transhepatic portal embolization
(Department of Radiology, Kagawa University) **Hanae Okuda**

Oncology: Head & neck Friday Oct.6 10:30-11:30, Room 6

Chair : Yuka Yamamoto (Department of Radiology, Kagawa University)
Masatoyo Nakajo (Kagoshima Prefectural Oshima Hospital)

- MM2VIC-01 Texture analysis with Metavol and its application to thyroid cancer
(Department of Nuclear Medicine, Hokkaido University) **Kenji Hirata**
- MM2VIC-02 Estimation of Boron Concentration in Tumors and Surrounding Tissues using FBPA PET/CT
(Department of Nuclear Medicine and Tracer Kinetics, Osaka University) **Kayako Isohashi**
- MM2VIC-03 Comparison of IMP SPECT, FDG PET/CT, and FDOPA PET/CT in Detection of choroidal Malignant Melanoma
(Department of Radiological Sciences, Nagoya University) **Katsuhiko Kato**
- MM2VIC-04 Efficacy of quantitative evaluation for ^{123}I -IMP SPECT of Malignant melanoma
(Division of Radiological Technology, Osaka University Hospital) **Kazuya Nagatomo**

- MM2VIC-05 Diagnostic capability by PET/CT in carcinoma of unknown primary at pretest condition
(Department of Radiology, Okayama Kyokuto Hospital) **Yoshihiro Okumura**
- MM2VIC-06 Preoperative Evaluation of Sellar and Parasellar Macro-lesions by FDG-PET
(Department of Neurosurgery, Gunma University) **Masahiko Tosaka**

Oncology: Breast Friday Oct.6 13:30-14:10, Room 6

Chair : Hirofumi Fujii (Division of Functional Imaging, National Cancer Center Japan)

Kanae Miyake (Department of Radiology, Kyoto University Hospital)

- MM2VID-01 Improvement of imaging field of view of ring shaped detector type mammo PET using thin cushion attachment
(Midtown Clinic Tokyo Bay) **Yasuhiro Kobayashi**
- MM2VID-02 Breast Lymphoma - Diagnostic finding of FDG-PET/CT
(Department of Radiology, Kouseikai Takeda Hospital) **Yasuyo Hamanaka**
- MM2VID-03 Breast image quality phantom measurements in dedicated breast PET and PET/CT
(Yamanashi PET imaging clinic) **Yoko Satoh**
- MM2VID-04 Comparison of quantitative values between whole-body PET and dedicated breast PET
(Department of Radiology, Kyoto University Hospital) **Kanae Kawai Miyake**

Oncology: Lung Friday Oct.6 14:30-15:30, Room 6

Chair : Teisuke Hashimoto (Department of Radiology, Dokkyo Medical University)

Tadashi Watabe (Department of Nuclear Medicine and Tracer Kinetics, Osaka University)

- MM2VIE-01 C-11 4DST PET in patients with lung tumor
(Department of Molecular Imaging and Theranostics, National Institute of Radiological Sciences) **Ryuichi Nishii**
- MM2VIE-02 FDG-PET/CT Overcomes Discordance between Clinical and Pathological TNM Classification of Lung Cancer
(Department of Radiology, Nagoya University) **Shingo Iwano**
- MM2VIE-03 Effect of Respiratory Gating System on PET Image of Lung Cancer:Relationship with Location and Size
(Department of Radiology, Kushiro Kojinkai Memorial Hospital) **Tomohito Kamibayashi**
- MM2VIE-04 Evaluation of NSCLC by FDG-PET · CT before and after induction chemotherapy
(Department of Radiology, Fukuoka Univ.) **Yukie Higuma**
- MM2VIE-05 The trial of fractal analysis in FDG-PET diagnosis of non small cell lung cancer
(Department of Radiology, Fukuoka Univeristy) **Shigeki Nagamachi**

- MM2VIE-06 Bayesian penalized likelihood reconstruction of PET/CT in the assessment of pulmonary lesions
(Department of Radiology, Matsusaka Central General Hospital) **Yoshie Kurita**

Cardiovascular: Experiments Friday Oct.6 15:30-16:30, Room 6

Chair : Tomoaki Nakata (Hakodate Goryoukaku Hospital)
Junichi Taki (Department of Nuclear medicine Kanazawa University Hospital)

- MM2VIF-01 Evaluation of Left Ventricular Volume in Ischemia Rats with ECG-gated SPECT imaging and Autoradiograph
(Department of Nuclear Medicine, Kanazawa University Hospital) **Hiroshi Wakabayashi**
- MM2VIF-02 Cardiac function in growing rats: Serial examination in the SPECT/CT for small animals
(Department of Nuclear Medicine, Kanazawa University Hospital) **Tomo Hiromasa**
- MM2VIF-03 Rat's cardiac function in the SPECT/CT for small animals: compare with four clinical softwares
(Department of Nuclear Medicine, Kanazawa University Hospital) **Tomo Hiromasa**
- MM2VIF-04 Comparison of the PET imaging agents for atherosclerotic plaque detection
(Department of Pharmaceutical Sciences, Hokkaido University) **Mikako Ogawa**

Cardiovascular, Thyroid Friday Oct.6 8:30-9:30, Room 8

Chair : Mitsuru Momose (Department of Diagnostic imaging and Nuclear Medicine, Tokyo Women's Medical University)
Kenichi Nakajima (Department of Nuclear Medicine, Kanazawa University Hospital)

- MM2VIII-01 Effects of Adaptive Servo-Ventilation on sympathetic nervous function
(Diagnostic and Therapeutic Nuclear Medicine, National Institute of Radiological Sciences) **Keiichiro Yoshinaga**
- MM2VIII-02 Iodine-123 Metaiodobenzylguanidine Thyroid Uptake
(Yaizu City Hospital) **Yoshiteru Abe**
- MM2VIII-03 Investigation of washout rate of I-123 BMIPP for triglyceride deposit cardiomyo-vasculopathy
(Division of Radiology, Department of Medical Technology, Osaka University Hospital) **Takashi Kamiya**
- MM2VIII-04 Feasibility of prognosis of patients with HFpEF using MIBG imaging and holter electrocardiogram
(Department of Cardiovascular Medicine, Toho University) **Hidenobu Hashimoto**
- MM2VIII-05 Relationship between ¹⁸F-FDG-PET and LV function in cardiac sarcoidosis during corticosteroid therapy
(Department of Cardio-vascular Medicine, Kitasato University) **Takeru Nabeta**

MM2VIII-A-06 Usefulness of dynamic renal scintigraphy with ^{99m}Tc -DTPA in a case of renal arteriovenous fistula

(Department of Radiology, Shinshu University) **Shin Yanagisawa**

New tracers 1

Friday Oct.6 9:30-10:30, Room 8

Chair : Yasushi Kiyono (Biomedical Imaging Research Center, University of Fukui)

Shozo Furumoto (Cyclotron and Radioisotope Center, Tohoku University)

MM2VIII-B-01 Synthesis of highly-qualified ^{11}C -labeled (*R,S*)-isoproterenol aimed at a clinical study

(National Center for Geriatrics and Gerontology) **Hiroshi Ikenuma**

MM2VIII-B-02 ^{99m}Tc -labeled multivalent RGD peptide: Comparison between tri- and tetravalent RGD peptide

(Showa Pharmaceutical University) **Yuki Mizuno**

MM2VIII-B-03 ^{111}In -labeling reagent for antibody fragments of low renal radioactivity levels

(Graduate School of Pharmaceutical Sciences, Chiba University) **Hiroyuki Suzuki**

MM2VIII-B-04 Cancer Radiotheranostics with ^{111}In and ^{90}Y Complexes Targeting Carbonic Anhydrase-IX

(Graduate School of Pharmaceutical Sciences, Kyoto University) **Shimpei Iikuni**

MM2VIII-B-05 Synthesis of ^{18}F -ligand via spiro ring iodonium ylide

(National Institutes for Quantum and Radiological Science and Technology) **Masayuki Fujinaga**

MM2VIII-B-06 Development of a $^{211}\text{Rn}/^{211}\text{At}$ generator for medical use of an alpha-radioactive isotope ^{211}At

(National Institutes for Quantum and Radiological Science and Technology) **Ichiro Nishinaka**

New tracers 2

Friday Oct.6 10:30-11:30, Room 8

Chair : Yasuhisa Fujibayashi (National Institute of Radiological Sciences)

Tetsuya Tsujikawa (Biomedical Imaging Research Center, University of Fukui)

MM2VIII-C-01 Discovery and evaluation of ^{11}C -AS2471907 as a novel 11β -HSD1 PET ligand

(Astellas Pharma Inc.) **Hiroshi Fushiki**

MM2VIII-C-02 Noninvasive estimation of human radiation dosimetry by whole-body small animal PET imaging in rats

(Tohoku University Graduate School of Medicine) **Miho Shidahara**

MM2VIII-C-03 Development of radiolabeling for ^{64}Cu anti PD-1

(National Institute of Radiological Sciences, Department of Radiopharmaceuticals Development)

Masayuki Hanyu

MM2VIII-C-04 Development of F-18-labeled alpha-methyl-phenylalanine

(Gunma University Graduate School of Medicine) **Hirofumi Hanaoka**

- MM2VIIIIC-05 Visualizing the in vivo pharmacokinetics of copper-64 anti-PD1 by PET
(QST, NIRS, Department of Radiopharmaceuticals Development) **Lin Xie**
- MM2VIIIIC-06 Case report on temperture deviations in refrigerator -discussion and solution-
(Institute of Biomedical Research and Innovation) **Takafumi Yamaoka**

Poster

New tracers 3: PET

Friday Oct.6 9:30-10:30, Posters

Chair : Shingo Baba (Department of Clinical Radiology, Kyushu University Hospital)

- MP2A-01** In vivo evaluation of the activity of a drug efflux pump in the brain parenchymal cells
(Department of Radiopharmaceuticals Development, National Institute of Radiological Sciences)
Toshimitsu Okamura
- MP2A-02** Development of novel PET ligands for imaging PDE10A using [¹⁸F] MNI-659 as a lead compound
(Department of Radiopharmaceuticals Development, Quantum and Radiological Science and Technology)
Wakana Mori
- MP2A-03** Development of [¹⁸F]F labeling method for Aromatic Ring with Pinacol Borane Derivative
(Department of Molecular Imaging in Medicine, Osaka University) **Yasukazu Kanai**
- MP2A-04** Radiosynthesis and evaluation of [¹¹C]PET ligands for imaging mGluR2 in brain
(National Insitute for Quantum and Radiological Science and Technology) **Katsushi Kumata**
- MP2A-05** ¹⁸F-FDG-labeled Red Blood Cell PET for Blood Pool Imaging: Preclinical Evaluation in Rats
(Keio University School of Medicine) **Yohji Matsusaka**
- MP2A-06** Development and evaluation of new PET probes for imaging of growth hormone secretagogue receptor 1a
(National Institutes for Quantum and Radiological Science and Technology) **Kazunori Kawamura**
- MP2A-07** The development of ⁶⁴Cu remote separation system consist of disposable parts
(National institutes for quantum and radiological science and technology) **Tomoyuki Ohya**

New tracers 4: PET/SPECT

Friday Oct.6 10:30-11:30, Posters

Chair : Kunihiko Yokoyama (Public Central Hospital of Matto Ishikawa)

- MP2B-01** A facile [¹¹C]HCN preparation method from [¹¹C]CH₃I
(National Institutes for Quantum and Radiological Science and Technology) **Tatsuya Kikuchi**
- MP2B-02** Preparation of [¹⁸F]MNI-659 for clinical use and complying JSNM GMP standards
(National Institutes for Quantum and Radiological Science and Technology) **Makoto Takei**
- MP2B-03** Preparation of ¹⁸F-labeled D-allose using auto-synthesizers
(Department of Radiology and Nuclear Medicine, Research Institute for Brain and Blood Vessels Akita)
Hiroyuki Yamamoto
- MP2B-04** Visualization of brown adipose tissue in Zucker diabetic fatty (ZDF) rat using PET with [¹⁸F]FEDAC
(National Institutes for Quantum and Radiological Science and Technology) **Akiko Hatori**

- MP2B-05** Development of automatic synthesis of F-18 PET probes using simple synthesizer system
(Biomedical Imaging Research Center, University of Fukui) **Tetsuya Mori**
- MP2B-06** Radiosynthesis of *p*-iodo-nimesulide derivative for COX-2 imaging probes
(Faculty of Pharmaceutical Sciences, Tohoku Medical and Pharmaceutical University) **Yumi Yamamoto**
- MP2B-07** Radiosynthesis of isomeric iodinated nimesulides using tin precursor
(Faculty of Pharmaceutical Sciences, Tohoku Medical and Pharmaceutical University) **Yumi Yamamoto**

New tracers 5: PET/SPECT2 Friday Oct.6 9:30-10:30, Posters

Chair : Takashi Misaki (RI Center, Tenri Hospital)

- MP2C-01** Development of highly sensitive analytical method for ¹¹C-choline injection for JSNM GMP standard
(National Institutes for Quantum and Radiological Science and Technology) **Hiroki Hashimoto**
- MP2C-02** Study on optical purity measurement of [¹⁸F] FBPA injection using HPLC method
(Department of Nuclear Medicine and Tracer Kinetics, Osaka University) **Sadahiro Naka**
- MP2C-03** Development of the isolator system installable at Grade-D with high space factor and reasonable price
(Dalton Corporation) **Nakazawa Ken-ichi**
- MP2C-04** Report of the integrity test for the sterile PET radiopharmaceuticals after filtration
(Biomedical Imaging Research Center, University of Fukui) **Tetsuya Mori**
- MP2C-05** Relationship between MeAIB uptake and amino acid transporter gene expression or proliferative activity
(Shiga Medical Center Research Institute) **Shinya Kagawa**
- MP2C-06** HER2-positive tumor accumulation of chemical versus site-specific ⁶⁷Ga labeled anti-HER2 antibody
(Department of Radiology, Kansai Medical University) **Yumiko Kono**

New tracers, Head & neck, Radiation Friday Oct.6 10:30-11:30, Posters

Chair : Eriko Tsukamoto (Central CI Clinic)

- MP2D-01** The experience of sentinel lymph node detection using SPECT / CT for oral cancer
(Department of Oral and Maxillofacial Surgery, Kagawa University) **Akinori Iwasaki**
- MP2D-02** Investigation of an efficient synthesis method of [¹⁸F]MNI-659
(National Institute for Quantum and Radiological Science and Technology) **Kenji Furutsuka**
- MP2D-03** Synthesis of radiobrominated amino acid derivatives via organosilicon precursors
(National Institute of Quantum and Radiological Science and Technology) **Shigeki Watanabe**
- MP2D-04** Development of O-¹⁸F-fluoroalkylation using [¹⁸F]epifluorohydrin
(National Institutes for Quantum and Radiological Science and Technology) **Takayuki Ohkubo**

- MP2D-05** Manual preparation about contact restrictions of a patient given radiopharmaceuticals
(Shikoku Cancer Center) **Takeshi Ono**
- MP2D-06** The study of metabolic change of the bisphosphonate administration in mandibular and femora
(Department of Oral and Maxillofacial Surgery, Kagawa University) **Yumiko Ohbayashi**
- MP2D-07** Increase in ¹⁸F-FDG accumulation in gingival cancer with bone resorption compared with ¹⁸F-choline
(Division of Dental Radiology, School of Dentistry, Iwate Medical University) **Motoi Roppongi**
- MP2D-08** A case of mandibular NET followed by both ¹¹¹In-DTPAOC SPECT and FDG-PET
(Department of Radiology, Tokushima University Hospital) **Michiko Kubo**

Brain, CNS1

Friday Oct.6 13:30-14:30, Posters

Chair : Takashi Kato (National Center for Geriatrics and Gerontology)

- MP2E-01** Features of imaging in Pittsburgh compound-B-negative dementia
(Department of Geriatric Medicine, Tokyo Medical University) **Soichiro Shimizu**
- MP2E-02** Oxidative stress imaging in patients with Alzheimer's disease using ⁶⁴Cu-ATSM PET
(Department of Neurology, University of Fukui) **Masamichi Ikawa**
- MP2E-03** Utilizing amyloid PET in the clinical trial of Mild Cognitive Impairment (MCI) due to Alzheimer's disease
(MSD K.K.) **Masashi Kikuchi**
- MP2E-04** Development of novel Aβ imaging probes for PET with improved radioactivity pharmacokinetics in the brain
(Graduate School and Faculty of Pharmaceutical Sciences, Kyoto University) **Sho Kaide**
- MP2E-05** VBM Focusing Medial Temporal Lobe Atrophy Has Limited Capability on Detecting Amyloid β
(Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology) **Masashi Kameyama**
- MP2E-06** Brain perfusion SPECT in acute encephalopathy with biphasic seizures and late reduced diffusion
(Department of Radiology, Okayama University Hospital) **Nanako Ogawa**
- MP2E-07** Neuromelanin Imaging and ¹²³I-FP-CIT SPECT is useful biomarker of Parkinson's Disease
(Department of Neurology, Juntendo University) **Taku Hatano**

Brain, CNS2

Friday Oct.6 14:30-15:30, Posters

Chair : Atsushi Umetsu (Department of Diagnostic Radiology, Tohoku University)

- MP2F-01** Using DAT-SPECT, MIBG and the Combined Index for the efficient diagnosis of Lewy body disease
(Department of Diagnostic Radiology, Kumamoto University) **Fumi Sakamoto**

- MP2F-02** **DAT SPECT findings in pure autonomic failure**
 (Katsushika Medical Center, The Jikei University School of Medicine) **Makiko Yogo**
- MP2F-03** **Relation of symptoms with density of mGluR1 in de novo Parkinson's disease measured with ¹¹C-ITMM PET**
 (Department of Neuro-pathophysiological imaging, Nippon Medical School) **Masahiro Mishina**
- MP2F-04** **A novel PET ligand for visualizing DREADD expression in the monkey brain**
 (National Institutes for Quantum and Radiological Science and Technology) **Yuji Nagai**
- MP2F-05** **Functional imaging of deactivated DREADD-expressing neurons by intraperitoneal FDG injection**
 (National Institutes for Quantum and Radiological Science and Technology) **Chie Seki**
- MP2F-06** **Usefulness of quantitative analysis method (vbSEE) in dementia with Lewy body with visual hallucination**
 (University of Occupational and Environmental Health) **Yoshiko Hayashida**
- MP2F-07** **[[111C]PBB3-PET imaging of Tau pathology in Primary progressive aphasia**
 (Department of Neurology, Osaka City University) **Akitoshi Takeda**

Theranostics, Animals experiments

Friday Oct.6 15:30-16:30, Posters

Chair : Mikako Ogawa (Laboratory of Bioanalysis and Molecular Imaging, Hokkaido University)

- MP2G-01** **Cerebral perfusion pressure index in the normal rat using ¹⁵O-labeled gas PET**
 (Department of Nuclear Medicine and Tracer Kinetics, Osaka University) **Genki Horitsugi**
- MP2G-02** **Rat's cardiac function in the SPECT/CT for small animals: Analyses with clinical softwares**
 (Department of Nuclear Medicine, Kanazawa University Hospital) **Tomo Hiromasa**
- MP2G-03** **Follow-up of alveolar bone metabolism alteration induced by orthodontic force using small-animal SPECT**
 (Department of Orthodontics and Dentofacial Orthopedics, Nagasaki University) **Keira Arizono**
- MP2G-04** **The Possibility of PAMAM Silica Nanoparticles for Theranostics**
 (Department of Life Science Dentistry, The Nippon Dental University) **Haruka Yamaguchi**
- MP2G-05** **Preliminary experience of Ra-223 therapy for patients with castration-resistant prostate cancer**
 (Department of Diagnostic Imaging and Nuclear Medicine, Tokyo Women's Medical University)
Koichiro Abe

Oral

CNS: Analysis 1

Saturday Oct.7 8:30-9:30, Room 5

Chair : Masahiko Suzuki (Katsushika Medical Center, The Jikei University School of Medicine)

Yasuomi Ouchi (Hamamatsu University School of Medicine)

- MM3VA-01** Cerebral blood flow and oxygen metabolism in cerebral hypoperfusion model of rat
(Department of Nuclear Medicine and Tracer Kinetics, Osaka University) **Hiroki Kato**
- MM3VA-02** Comparison of analysis software in the dopamine transporter scintigraphy
(Matsue Red Cross Hospital) **Toshiharu Kawazoe**
- MM3VA-03** Flexible PET Imaging with Nonlocal Means Regularization Reconstruction
(Department of Diagnostic Imaging and Nuclear Medicine, Kyoto University) **Fushimi Yasutaka**
- MM3VA-04** Clinical use of the normal database constructed using CT attenuation correction
(Matsukage Senior Hospital) **Takahiro Yamazaki**
- MM3VA-05** How to estimate the appropriate PSF parameters for partial volume effect correction of brain PET?
(Sendai Seiryō Clinic) **Akira Arai**
- MM3VA-06** Development of the software for noninvasive input function estimation in O-15 gas PET
(Dept of Neurosurgery Integrative Stroke Imaging Center, National Cerebral and Cardiovascular Center)
Satoshi Iguchi

CNS: Analysis 2

Saturday Oct.7 9:30-10:30, Room 5

Chair : Hitoshi Terada (Department of Radiology Toho University Sakura Medical Center)

Nobuyuki Okamura (Tohoku Medical and Pharmaceutical University)

- MM3VB-01** Evaluation of differential diagnosis in taopaties by ^{18}F -THK5351 PET
(Department of Neurology, Tohoku University) **Michinori Ezura**
- MM3VB-02** Performance Evaluation of Kinetics-Based Noise Reduction Algorithm for Amyloid Imaging
(Department of Computational Systems Biology, Fac of Biology-Oriented Sci and Tech, Kindai Univ)
Takahiro Yamada
- MM3VB-03** Diagnostic accuracy of FDG-PET/MR for dementia- Estimation of the impact of MR attenuation correction
(Department of Radiology, Nippon Medical School) **Tetsuro Sekine**
- MM3VB-04** Quantitative analysis of ^{11}C -PIB PET and ^{18}F -FDG PET before and after administration of ferulic acid
(Public Central Hospital of Matto Ishikawa) **Shiro Tsuji**
- MM3VB-05** Comparison of quantitative analysis software of dopamine transporter scintigraphy
(Department of Radiology, Kanazawa University Hospital) **Asuka Mizutani**

- MM3VB-06** Automated Machine Learning-Based Classification of Normal and Parkinson Disease for DatSCAN
 (Department of Computational Systems Biology, Fac of Biology-Oriented Sci and Tech, Kindai Univ)
Shogo Watanabe

CNS: Analysis 3 Saturday Oct.7 10:30-11:30, Room 5

Chair : Toshimitsu Momose (Department of Radiology, International University of Health and Welfare)

Hiroshi Ito (Department of Radiology and Nuclear Medicine, Fukushima Medical University)

- MM3VC-01** Partial volume correction of cerebral glucose metabolism measured by PET/MRI
 (Department of Radiology and Nuclear Medicine, Fukushima Medical University) **Hiroshi Ito**
- MM3VC-02** Evaluation of anatomical normalization of C-11 PiB-PET using positive and negative standard brain
 (The University of Tokyo) **Miwako Takahashi**
- MM3VC-03** IMZ-SPECT and FDG-PET on hippocampal epileptogenicity in TLE patients with neocortical lesion
 (The University of Tokyo) **Kenichiro Ogane**
- MM3VC-04** Role of the regional quantitative index by ¹²³I-ioflupane SPECT in the diagnosis of Parkinson's disease
 (Radiology, University of Miyazaki) **Yoichi Mizutani**
- MM3VC-05** Evaluation of default mode network by quantitative ¹⁵O-labeled gases and water PET
 (Department of Nuclear Medicine and Tracer Kinetics, Osaka University) **Jo Aoe**
- MM3VC-06** Study on quantitative evaluation method of ¹²³I-FP-CIT SPECT using striatum phantom
 (Fujita Health University Hospital) **Masanobu Ishiguro**

Molecular imaging 1 Saturday Oct.7 8:30-9:30, Room 6

Chair : Shozo Furumoto (Cyclotron and Radioisotope Center, Tohoku University)

Yukie Yoshii (National Institute of Radiological Sciences)

- MM3VIA-01** Quantitative PET analysis with [¹¹C]SAR127303 for monoacylglycerol lipase in rat brain
 (National Institutes for Quantum and Radiological Science and Technology) **Tomoteru Yamasaki**
- MM3VIA-02** Examination of time reduction method from nanoparticle probe administration to imaging
 (Biomedical Imaging Research Center, University of Fukui) **Akira Makino**
- MM3VIA-03** Estimation of BPA in tumor with ¹⁸F-FBPA-PET
 (Division of Functional Imaging, National Cancer Center) **Mitsuyoshi Yoshimoto**

- MM3VIA-04 Evaluation of ^{18}F -incorporated ketoprofen methyl ester as a PET probe for neuroinflammation imaging
(Showa Pharmaceutical University) **Miho Shukuri**
- MM3VIA-05 Evaluation of Safety of ^{89}Zr -Df-IAB2M PET
(University of Tsukuba) **Kentaro Hatano**

Molecular imaging 2 Saturday Oct.7 9:30-10:30, Room 6

Chair : Yusuke Inoue (Department of Diagnostic Radiology, Kitasato University School of Medicine)

Kenji Hirata (Department of Nuclear Medicine, Hokkaido University)

- MM3VIB-01 Imaging of pancreatic cancer xenografts in mice with radiolabeled anti-tissue factor antibody
(Department of Molecular Imaging and Theranostics, National Institute of Radiological Sciences, QST)
Atsushi B. Tsuji
- MM3VIB-02 Application of both fluorescently and radioisotopically labeled probes in the brain of SNP induced model
(Division of Health Sciences, Osaka University) **Sota Sato**
- MM3VIB-03 Prediction of effects of charged particle irradiation on cancer cells under hypoxia
(Biomedical Imaging Research Center, University of Fukui) **Yasushi Kiyono**
- MM3VIB-04 Development of hNIS transgenic mouse as resource for *in vivo* cell tracking
(Kawasaki Medical School) **Masayuki Inubushi**
- MM3VIB-05 Development of radiolabeled tubastatin A derivatives for PET imaging of histone deacetylase 6
(Tokyo Metropolitan Institute of Gerontology) **Tetsuro Tago**
- MM3VIB-06 Structural modification and study on accumulation mechanism of ^{18}F -labeled phosphonium derivatives
(Graduate School of Pharmaceutical Sciences, Tohoku University) **Takahiro Tominaga**

Molecular imaging 3 Saturday Oct.7 10:30-11:30, Room 6

Chair : Shuhei Sato (Kawasaki University of Medical Welfare)

Atsuo Waki (National Institute of Radiological Sciences)

- MM3VIC-01 Effects of ^{211}At -MABG on tumor growth suppression in pheochromocytoma model with histological analysis
(Diagnostic and Therapeutic Nuclear Medicine, National Institute of Radiological Sciences)
Keiichiro Yoshinaga
- MM3VIC-02 Thymidine phosphorylase as an imaging biomarker for the diagnosis of non-alcoholic steatohepatitis
(Central Institutes of Isotope Science, Hokkaido University) **Kei Higahikawa**
- MM3VIC-03 Characterization of [^{18}F]THK5351 binding to melanin-containing cells
(Tokyo Metropolitan Institute of Gerontology) **Tetsuro Tago**

- MM3VIC-04** Optimization of 4-borono-2-[¹⁸F]fluoro-L-phenylalanine preparation
(Southern Tohoku Research Institute for Neuroscience, Southern Tohoku General Hospital) **Ryoichi Ebinuma**
- MM3VIC-05** Brain penetration of isoproterenol as a drug of dementia measured in rats with a micro-PET
(National Center for Geriatrics and Gerontology) **Aya Ogata**
- MM3VIC-06** Feasibility study for developing ⁷⁴As production system using ^{nat}Ga target
(National Institute of Radiological Sciences) **Katsuyuki Minegishi**