

**The 64th Annual Scientific
Meeting of the Japanese Society
of Nuclear Medicine**

Special Program

1st day Thursday Nov.7

Room 1

(5F 501+502, Conference Center, PACIFICO Yokohama)

JSNM Special Project 01

10:10-11:40

Onco-cardiology and Nuclear Medicine in View of Cardiologist and Radiologist

Chair : Takahiro Morita (Department of Diagnostic Radiology, National Cancer Center Hospital East)
Kenji Fukushima (Fukushima Medical University)

1. Progress and Evolution of Onco-Cardiology

(Department of Cardiology, National Cancer Center Hospital East) **Kazuko Tajiri**

2. The Implementation of Oncocardiology and the Contributions of Imaging Techniques

(Department of Cardiology, International Medical Center, Saitama Medical University) **Shintaro Nakano**

3. The Role of Imaging Diagnostics in Cardio-Oncology

(Department of Radiology, Jichi Medical University Saitama Medical Center) **Osamu Manabe**

Hisada Prize Winner's Lecture

14:20-15:10

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

Asian and Oceanian Young Investigator Award; Research Encouragement Prize; Returnee Encouragement Prize Winner's Lecture

15:10-16:40

Chair : Yoshihiro Nishiyama (Department of Radiology, Faculty of Medicine, Kagawa University)
Tomohiro Kaneta (Department of Diagnostic Image Analysis, Graduate School of Medicine, Tohoku University)

Room 2

(5F 503, Conference Center, PACIFICO Yokohama)

JSNM Symposium 01

8:30-10:00

Speak Passionately about Future Nuclear Medicine

Chair : Daiki Kayano (Department of Nuclear Medicine, Kanazawa University)
Tadashi Watabe (Osaka University)

Opening

(Department of Nuclear Medicine, Kanazawa University) **Seigo Kinuya**

1. The future for young nuclear medicine professionals: New technologies usher in a new era

(Preemptive Medicine and Lifestyle Related Disease Research Center, Kyoto University Hospital)

Ryusuke Nakamoto

2. Targeted Radionuclide Therapy and Dosimetry in 10 Years ~Towards "Magic Bullet"~

(Department of Nuclear Medicine, Hokkaido University Hospital) **Shiro Watanabe**

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3. Toward Cancer Precision Medicine: Drug Development of Radio-Theranostics Based on mGluR1

(Department of Advanced Nuclear Medicine Sciences, Institute for Quantum Medical Science, National Institutes for Quantum Science and Technology) **Lin Xie**

4. Role of Pharmacist in Nuclear Medicine-Aim for two-way player of radio-chemist/pharmacist-

(Department of Pharmacy, Osaka University Hospital / Department of Radiology, Osaka University Graduate School of Medicine) **Sadahiro Naka**

JSNM Symposium 02

10:10-11:40

Recent Advances of Semi-conductor Detectors

Chair : Nobuo Iguchi (Sakakibara Heart Institute)

Keiichirou Yamaguchi (St. Marianna University Dep. Daiagnostic and Interventional Radiology)

1. Novel quantitative index using dynamic data obtained from semiconductor PET/CT

(Department of Diagnostic Imaging and Nuclear Medicine, Tokyo Women's Medical University / Department of Cardiology, Tokyo Women's Medical University) **Atsushi Yamamoto**

2. Evaluation of large vessel vasculitis using semiconductor PET

(Department of Diagnostic Radiology and Nuclear Medicine, Tokyo Medical and Dental University)
Junichi Tsuchiya

3. The Utility of SPECT Imaging with CZT Detectors in a Cardiovascular Specialty Hospital

(Sakakibara Heart Institute) **Otaki Yuka**

JSNM Symposium 03

13:20-14:50

Prodromal Lewy Body Disease

Chair : Masahiko Suzuki (Department of Rehabilitation Medicine, The Jikei University, School of Medicine)

Masahiro Mishina (Tokyo Rosai Hospital, Japan Organization of Occupational Health and Safety)

1. Prodromal "Lewy body disease"

(Tokyo Rosai Hospital, Japan Organization of Occupational Health and Safety) **Masahiro Mishina**

2. The role of SPECT for clinical diagnosis of prodromal DLB

(Department of Psychiatry, Nagoya University Graduate School of Medicine) **Hiroshige Fujishiro**

3. Diagnostic imaging of prodromal Parkinson's disease

(The Jikei University School of Medicine) **Yuki Asahara**

EANM-JSNM Joint Session

English

15:00-17:00

Parkinson Imaging

Chair : Toshimitsu Momose (Institute of Engineering Innovation, School of Engineering, The University of Tokyo.)

Nobukatsu Sawamoto (Kyoto University Graduate School of Medicine)

1. Parkinson revisited : the impact of molecular imaging

(EANM President) **Rudi A. J. O. Dierckx**

2. Molecular imaging underpinning Parkinson's pathophysiology

(Department of Biofunctional Imaging, Institute of Photonics Medicine, Hamamatsu University School of Medicine)

Yasuomi Ouchi

3. Molecular imaging supporting the clinical practice of Parkinson disease in Japan

(Department of Human Health Sciences, Kyoto University Graduate School of Medicine) **Nobukatsu Sawamoto**

Room 4

(3F 301, Conference Center, PACIFICO Yokohama)

JSNM Special Project 02

8:30-9:30

Chair : Yu Iwabuchi (Department of Radiology, Keio University School of Medicine)

The Overview of Alzheimer's Disease in the Era of Antibody Drugs

(Department of Neurology, Tokai University School of Medicine) **Ryoko Imazeki**

Supported by : Eisai Co., Ltd. / Biogen Japan Ltd.

JSNM Special Project 03

9:35-10:35

Role of MRI in Diagnosis and Therapy Monitoring

Chair : Takashi Okazaki (Department of Radiology, Tokai University School of medicine)

1. Diagnosis of Alzheimer's disease using structural MRI

(Department of Biofunctional Imaging, Fukushima Medical University) **Hiroshi Matsuda**

2. The Role of MRI in the Clinical Application of Anti-A β Drugs: Focusing on ARIA Evaluation

(Department of Diagnostic Radiology, Tokyo Metropolitan Institute for Geriatrics & Gerontology)

Aya Midori Tokumaru

JSNM Special Project 04

10:40-11:40

Appropriate Use of Amyloid PET in View of Therapeutic Indication

Chair : Naoya Hattori (Hamamatsu Medical Imaging Center)

1. Current Status and Prospects of Amyloid PET in Anti-amyloid Antibody Drug Therapy

(Neuroimaging/AI diagnostic system, Tokyo Metropolitan Institute for Geriatrics and Gerontology) **Kenji Ishii**

2. Appropriate amyloid PET for treatment: Reading

(Department of Radiology, Kindai University Faculty of Medicine) **Kazunari Ishii**

Supported by : Nihon Medi-Physics Co.,Ltd.

JSNM Special Project 05

13:20-14:20

Clinical Impact and Practical Points of MIBG Therapy

Chair : Daiki Kayano (Department of Nuclear Medicine, Kanazawa University)

1. Multidisciplinary Management Strategy for Metastatic PPGL with ^{131}I MIBG Therapy
(Center Hospital of National Center for Global Health and Medicine / University of Würzburg) **Masaki Uchihara**
2. Preparation for Initiating ^{131}I -MIBG Therapy and Experiences After Clinical Implementation
(National Cancer Center Hospital Department of Diagnostic Radiology) **Kimiteru Ito**

Supported by : PDRadiopharma Inc.

JSNM Special Project 06

14:30-15:30

Case Series in Radionuclide Therapy

Chair : Mitsuyoshi Yoshimoto (National Cancer Center, EPOC)

1. When the Person Changes, the Treatment Changes: Reiwa Era Treatment PRRT
(National Cancer Center Hospital) **Kaori Fuse**
2. Clinical Experiences with Ra-223 therapy : Insights into Successes and Challenges
(Kindai University Nara Hospital) **Yasuo Oguma**

JSNM Special Project 07

15:40-16:40

Chair : Hiroshi Wakabayashi (Department of Nuclear Medicine, Kanazawa University Hospital)

Targeted radionuclide therapy in the near future

(Osaka University Graduate School of Medicine) **Tadashi Watabe**

Room 6

(3F 303, Conference Center, PACIFICO Yokohama)

JSNM Educational Lecture 01

8:30-9:30

Techniques Related to Brain Imaging

Chair : Miwako Takahashi (National Institutes for Quantum Science and Technology, Institute for Quantum Medical Science)

1. Fundamentals and Applications of AI
(Tokyo Metropolitan Institute for Geriatrics and Gerontology) **Masashi Kameyama**
2. Kinetic Analysis in Nuclear Medicine -- How to Extract Functional Information
(Faculty of Informatics, Cyber Informatics Research Institute, Kindai University) **Yuichi Kimura**

JSNM Educational Lecture 02

13:20-14:20

Guideline-based Diagnostic Imaging in Ischemic Heart Disease

Chair : Yoshimitsu Fukushima (Department of Radiology, Nippon Medical School)

1. Cardiac CT: Current Evidence and Future Perspectives

(Division of Cardiovascular Medicine, Department of Internal Medicine, Toho University Faculty of Medicine, Toho University Omori Medical Center) **Rine Nakanishi**

2. Appropriate Evaluation of Myocardial Perfusion SPECT Imaging to Utilize Guidelines

(Department of Diagnostic Radiology, Tohoku University Hospital) **Keisuke Kiso**

JSNM Educational Lecture 03

15:40-16:40

Diagnostic Imaging in Myocarditis and Cardiac Sarcoidosis

Chair : Kenji Fukushima (Fukushima Medical University)

1. The Importance of Cardiac MRI in the Diagnosis and Treatment of Cardiac Sarcoidosis

(Department of Diagnostic Radiology, Yokohama City University Graduate School of Medicine) **Shingo Kato**

2. Nuclear medicine for the assessment of myocarditis and cardiac sarcoidosis

(Keio University) **Takehiro Nakahara**

Room 7

(3F 304, Conference Center, PACIFICO Yokohama)

Accomplishment Report with Research Grants

8:30-9:30

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

Tomohiro Kaneta (Department of Diagnostic Image Analysis, Graduate School of Medicine, Tohoku University)

1. Standardization of breast-specific PET imaging based on phantom and clinical study

(Fujita Medical Innovation Center Tokyo) **Yoko Satoh**

2. Standardization of myocardial PET parameters and evaluation of prognostic value in Japan

(Department of Diagnostic Imaging and Nuclear Medicine, Tokyo Women's Medical University / Department of Cardiology, Tokyo Women's Medical University) **Atsushi Yamamoto**

3. Standardization of in-house production and PET imaging of Zr-89 labeled antibodies

(Graduate School of Medicine Kyoto University, Department of Diagnostic Imaging and Nuclear Medicine)
Yuji Nakamoto

4. "Issues in the Use of Amyloid PET for Dementia Screening," final year report

(Department of Functional Neurology & Neurosurgery, Center for Integrated Human Brain Science, Brain Research Institute, Niigata University) **Hitoshi Shimada**

JSNM Educational Lecture 04

13:20-14:20

Basic and Cutting Edge Detectors in Nuclear Medicine

Chair : Taiga Yamaya (National Institutes for Quantum Science and Technology)

1. Scintillators: the basic and medical applications

(New Industry Creation Hatchery Center, Tohoku University) **Shunsuke Kurosawa**

2. Photodetectors (PMT&SiPM) for PET from fundamental properties to the state-of-the-art

(Hamamatsu Photonics K.K.) **Ryosuke Ota**

2nd day Friday Nov.8

Room 1

(5F 501+502, Conference Center, PACIFICO Yokohama)

JSNM Invited Lecture 01

English

10:45-11:15

Chair : Takashi Kudo (Department of Radioisotope Medicine, Atomic Bomb Disease Institute, Nagasaki University)
Hidehiko Okazawa (University of Fukui (Biomedical Imaging Research Center))

Nuclear radiology : lessons from the Dutch training model

(EANM President) Rudi A. J. O. Dierckx

JSNM Invited Lecture 02

English

11:20-11:50

Chair : Hidehiko Okazawa (University of Fukui (Biomedical Imaging Research Center))
Takashi Kudo (Department of Radioisotope Medicine, Atomic Bomb Disease Institute, Nagasaki University)

Development and Evaluation of Novel Theragnostics

(Isotope Research and Production Department, Brookhaven National Laboratory) Cathy S. Cutler

EANM/EARL and JSNM Joint Symposium

English

14:30-16:00

Scanning Standardization and Harmonization Extend Across Continents

Chair : Hiroshi Ito (Department of Radiology and Nuclear Medicine, Fukushima Medical University)
Hirofumi Fujii (Japan Radioisotope Association)

1. PET standardization and site qualification by JSNM: overview and collaboration with EARL
(Department of Molecular Imaging Research, Kobe City Medical Center General Hospital) Michio Senda
2. Harmonization and accreditation accelerate research and clinical translation
(EANM/EARL) Ivalina Hristova
3. Standardization of PET imaging in the Japanese Society of Nuclear Medicine
(Advanced Clinical Research Center, Fukushima Medical University) Naoyuki Ukon
4. Qualification Practices and Operations by JSNM
(Kobe City Medical Center General Hospital) Yasuhiko Ikari

Room 2

(5F 503, Conference Center, PACIFICO Yokohama)

JSNM Symposium 04

10:00-12:00

Innovative Dosimetry in Radio-theranostics

Chair : Tatsuya Higashi (Institute for Quantum Medical Science, National Institutes for Quantum Science and Technology (QST))
Tadashi Watabe (Osaka University)

1. Standardization of Dosimetry for α - and β -Emitting Targeted Radionuclide Therapy
(School of Health Sciences, Fukushima Medical University) Kenta Miwa

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2. Role of Dosimetry in Drug Development for Radiopharmaceutical Therapy

(Advanced Clinical Research Center, Fukushima Medical University) **Naoyuki Ukon**

3. Development of small-animal imaging systems for drug discovery in targeted alpha therapy

(Kavli IPMU, The University of Tokyo) **Shin'ichiro Takeda**

4. Simulation Study for Dosimetry of Targeted Radionuclide Therapy

(Japan Atomic Energy Agency) **Tatsuhiko Sato**

JSNM Symposium 05

14:30-16:30

Organizing Framework for Effective Performance of Radionuclide Therapy

Chair : **Kimiteru Ito** (National Cancer Center Hospital Department of Diagnostic Radiology)

Masahiko Kusumoto (National Cancer Center Hospital)

1. What's the position of nuclear medicine department in the high volume center?

(Department of Nuclear Medicine, Cancer Institute Hospital, Japanese Foundation for Cancer Research)

Takashi Terauchi

2. Who provides nuclear medicine education and how is it conducted?

(Department of Diagnostic Radiology, National Cancer Center Hospital) **Kimiteru Ito**

3. Organization of the Department of Nuclear Medicine in Yokohama City University Hospital

(Department of Radiation Oncology, Yokohama City University Graduate School of Medicine / Department of Radiation Therapy Yokohama City University Graduate School of Medicine) **Shoko Takano**

4. RI Treatment System at Hokkaido University Hospital

(Department of Nuclear Medicine, Hokkaido University Hospital) **Shiro Watanabe**

5. Nuclear Medicine Therapy at Kanazawa University: Organizational and Educational Efforts

(Department of Nuclear Medicine, Kanazawa University Hospital) **Hiroshi Wakabayashi**

Room 4

(3F 301, Conference Center, PACIFICO Yokohama)

PET Nuclear Medicine Workshop

8:20-10:20

Introduction of Approved PET Radiopharmaceuticals into Clinical Practice

Chair : **Noboru Oriuchi** (Advanced Clinical Research Center, Fukushima Medical University)

Makoto Hosono (Kindai University Faculty of Medicine, Department of Radiology)

1. Expectation of ¹⁸F-Fluciclovine in Glioma Surgery

(Department of Diagnostic Radiology, National Cancer Center Hospital) **Kimiteru Ito**

2. Management of the facilities introduction of the amyloid PET

(Department of Radiology, Tokai University School of Medicine) **Takashi Okazaki**

3. A new medical fee for PET

(Nagoya University Graduate School of Medicine, Department of Integrated Health Sciences, Division of Advanced Information Health Sciences, Biomedical Imaging Sciences, Functional Medical Imaging) **Katsuhiko Kato**

4. Quality Improvement through JSNM PET Imaging Site Qualification Program (J-PEQi)
(Gunma Prefectural College of Health Sciences) **Hiromitsu Daisaki**
5. Initiatives of Supporting Company Assembly for Nuclear Medicine Clinical Trials
(Department of Diagnostic Radiology and Nuclear Medicine, Institute of Science Tokyo) **Ukihide Tateishi**

Diversity Equity & Inclusion Committee Session

10:30-12:00

Join with friends to open up the future

Chair : Kazuko Ohno (Kyoto Collage of Medical Science)
Takayoshi Ishimori (Department of Diagnostic Radiology, Medical Research Institute Kitano Hospital)

Educational Lecture

Beware Unconscious Bias

Harnessing the Potential of Diversity (Basics & Examples)

(Shimadzu Corporation Managing Executive Officer Legal Diversity, and Health and Productivity Management)

Yoshino Kajitani

Group Work Facilitators and Themes

1. Unconscious Bias in the workplace of Physicians
(Fujita Medical Innovation Center Tokyo, Imaging Center) **Yoko Satoh**
2. Unconscious Bias in the workplace of Nurses
(Tokyo Women's Medical University Hospital) **Naomi Ozaki**
3. Unconscious Bias in the workplace of Physicians Technologists
(Gifu Prefectural General Medical Center) **Mieko Ota**
4. Unconscious Bias in the workplace of Researchers
(Tohoku University) **Miho Shidahara**

Room 6

(3F 303, Conference Center, PACIFICO Yokohama)

JSNM Educational Lecture 05

9:10-10:10

Diagnosis and Therapy of Brain Tumor

Chair : Hiroaki Kurihara (Kanagawa Cancer Center)

1. Diagnosis and treatment of Gliomas
(Department of Neurosurgery and Neuro-Oncology, National Cancer Center Hospital) **Yoshitaka Narita**
2. Brain Tumors and Nuclear Medicine (including ^{18}F -Fluciclovine)
(Institute of Science Tokyo) **Kota Yokoyama**

JSNM Invited Lecture 03

11:00-12:00

Chair : Kenji Hirata (Department of Diagnostic Imaging, Faculty of Medicine, Hokkaido University)

The New Frontier of AI: Innovations in Visual and Language Processing

(Department of Applied Informatics, Faculty of Science and Engineering, Hosei University) **Hitoshi Iyatomi**

JSNM Educational Lecture 06

14:30-15:30

Research Data Management in Oncology

Chair : Mitsuyoshi Yoshimoto (Division of Functional Imaging EPOC National Cancer Center)

1. First Steps to Improving Research Data Quality -Why Metadata Matters-

(Nihon Medi-Physics Co., Ltd.) **Satoshi Iimuro**

2. Current Status and Future Prospects of Research Data Management in Academic Institutions

(Digital Content and Media Sciences Research Division, National Institute of Informatics,) **Yusuke Komiyama**

JSNM Educational Lecture 07

15:40-16:40

Clinical Use of Brain PET and SPECT

Chair : Eku Shimosegawa (Hanwa Intelligent Medical Center)

1. Nuclear medicine imaging of idiopathic normal pressure hydrocephalus (iNPH, Hakim disease)

(Department of Behavioral Neurology and Cognitive Neuroscience, Tohoku University Graduate School of Medicine)

Chifumi Iseki

2. Assessment of cerebral hemodynamics in occlusive cerebrovascular diseases

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

Room 7

(3F 304, Conference Center, PACIFICO Yokohama)

JSNM Symposium 06

9:10-11:10

Advances in Labeling Protein

Chair : Hirofumi Hanaoka (Near InfraRed Photo-ImmunoTherapy Research Institute at Kansai Medical University)

Hirofumi Suzuki (Graduate School of Pharmaceutical Sciences, Chiba University)

1. Radioisotope-labeled proteins : General labeling methods and metabolic linker

(Graduate School of Pharmaceutical Sciences, Chiba University) **Tomoya Uehara**

2. PET synthetic technology using microfluidic devices

(Research Center for Experimental Modeling of Human Disease, Kanazawa University) **Hirofumi Kimura**

3. Advancement of Neopentyl labeling technology for radiohalogens to Radiotheranostics

(Faculty of Pharmacy, Juntendo University / Department of Chemical Science and Engineering, Tokyo Institute of Technology) **Hiroshi Tanaka**

4. ^{18}F -cell-free protein radiosynthesis and its application to neuroimaging

(Division of Pharmacology, Faculty of Medicine, Tohoku Medical and Pharmaceutical University) **Ryuichi Harada**

JSNM Symposium 07

14:30-16:30

Diagnostic Imaging and Therapy of Severe Heart Failure

Chair : **Shu Kasama** (Center for Clinical Research and Advanced Medicine, Shiga University of Medical Science)

Daisuke Utsunomiya (Diagnostic Radiology, Yokohama City University Graduate School of Medicine)

1. Diagnostic imaging for ischemic cardiomyopathy with a low EF

(Department of Diagnostic Imaging and Nuclear Medicine, Tokyo Women's Medical University) **Michinobu Nagao**

2. Advances in Device Therapy for Heart Failure Management

(Arrhythmia Advanced Therapeutics, Keio University School of Medicine) **Takahiko Nishiyama**

3. Multimodality Imaging in Heart Failure Management

(Saitama Medical University International Medical Center, Department of Cardiology) **Michiru Nomoto**

3rd day Saturday Nov.9

Room 1

(5F 501+502, Conference Center, PACIFICO Yokohama)

JSNM Special Project 08

10:50-12:20

60th Anniversary of JSNM

Chair : Makoto Hosono (Kindai University Faculty of Medicine, Department of Radiology)
Yasuchika Takeishi (Fukushima Medical University)

1. Congratulations on the growth of the Japanese Society of Nuclear Medicine
(Department of Nuclear Medicine, Kanazawa University) **Seigo Kinuya**
2. Current status of treatment for severe heart failure using iPSC-derived cardiomyocytes
(Heartseed Inc.) **Keiichi Fukuda**

Room 2

(5F 503, Conference Center, PACIFICO Yokohama)

JSNM Symposium 08

9:10-10:40

Clinical Development in Radio-theranostics

Chair : Anri Inaki (Division of Functional Imaging, Exploratory Oncology Research and Clinical Trial Center, National Cancer Center)

Tatsuya Higashi (Institute for Quantum Medical Science, National Institutes for Quantum Science and Technology (QST))

1. Targeted alpha therapy with astatine
(Osaka University Graduate School of Medicine) **Tadashi Watabe**
2. Radiotheranostics: Development of At-211 MABG therapy
(Advanced Medical Research Center, Fukushima Medical University) **Tohru Shiga**
3. Development of radiotheranostics with new radiopharmaceuticals
(LinqMed Inc.) **Yukie Yoshii**
4. Clinical and nonclinical data for development of diagnostic radiopharmaceuticals
(Pharmaceuticals and Medical Devices Agency) **Ryusuke Fujino**

Room 4
(3F 301, Conference Center, PACIFICO Yokohama)

Oral and Maxillofacial Nuclear Medicine Forum 2024

9:30-11:30

Chair : Shin Nakamura (Department of Dental Radiology and Radiation Oncology, Institute of Science Tokyo)
Ichiro Ogura (Department of Oral and Maxillofacial Radiology, The Nippon Dental University School of Life Dentistry at Niigata)

1. Quantitativeness and usefulness of PET/CT with semiconductor detector in the oral and maxillofacial region
(Department of Oral and Maxillofacial Radiology, Tohoku University Hospital) **Ikuho Kojima**
2. Imaging of Fibrous Dysplasia and its Mimics in the Head and Neck
(Department of Diagnostic Radiology, Institute of Science Tokyo Hospital) **Jun Oyama**
3. Update on SPECT/CT in the oral and maxillofacial region
(Department of Oral and Maxillofacial Radiology, The Nippon Dental University School of Life Dentistry at Niigata)
Ichiro Ogura

The 61st Meeting of the Japanese Society of Nuclear Medicine in Oncology and Immunology

15:00-17:00

Chair : Atsutaka Okizaki (Department of Radiology, Asahikawa Medical University)

Current topics in the central nervous system
(Department of Neurosurgery, Asahikawa Medical University) **Manabu Kinoshita**

The 43rd Meeting of the Respiratory Imaging Seminar

15:00-17:00

The latest technologies and clinical applications of semiconductor PET/CT and semiconductor SPECT/CT

Chair : Tsuyoshi Komori (Department of Radiology, Osaka Medical and Pharmaceutical University)

1. The latest technologies of semiconductor PET/CT and semiconductor SPECT/CT
(Department of Medical Technology, Radiology Division, Osaka University Hospital) **Hidetaka Sasaki**
2. The latest clinical applications of semiconductor PET/CT and semiconductor SPECT/CT
(Department of Advanced Radioisotope Medicine, Institute for Radiation Sciences, The University of Osaka, Suita, Japan)
Hiroki Kato

Room 6
(3F 303, Conference Center, PACIFICO Yokohama)

JSNM Educational Lecture 08

8:30-9:30

Diagnosis of Dementia with PET

Chair : Masashi Kameyama (Tokyo Metropolitan Institute for Geriatrics and Gerontology)

1. Current Status and Prospects of Amyloid PET

(Division of Pharmacology, Faculty of Medicine, Tohoku Medical and Pharmaceutical University)

Nobuyuki Okamura

2. Role of tau PET in dementia diagnosis

(Department of Functional Neurology & Neurosurgery, Center for Integrated Human Brain Science, Brain Research

Institute, Niigata University /) **Hitoshi Shimada**

JSNC-JSNM Joint Symposium

15:00-17:00

Quantitative Measurement in Nuclear Cardiology

Chair : Yoshimitsu Fukushima (Department of Radiology, Nippon Medical School)

Shu Kasama (Center for Clinical Research and Advanced Medicine, Shiga University of Medical Science)

1. Prognostic value of myocardial flow reserve and stress myocardial blood flow using ammonia PET myocardial perfusion imaging

(Department of Cardiology, Kaikoukai Nagoya Kyoritsu Hospital) **Satoru Ohshima**

2. Relationship between myocardial counts increasing rate and MFR in myocardial perfusion PET

(Toho University Faculty of Medicine) **Hidenobu Hashimoto**

3. Potential of Generic SPECT-CT in Myocardial Blood Flow Analysis

(Diagnostic Radiology, Faculty of Life Sciences, Kumamoto University) **Shinya Shiraishi**

4. Quantification of myocardial uptake using conventional SPECT system. Is it feasible??

(Department of Radiology and Nuclear Medicine, Fukushima Medical University) **Kenji Fukushima**

Room 7
(3F 304, Conference Center, PACIFICO Yokohama)

Nuclear Medicine Nursing Forum

8:25-9:55

Create and Communicate Together

Chair : Masayo Mimoto (Kochi Health Sciences Center)

Takako Harada (Kurashiki Central Hospital)

1. The Role of Nurses and Multidisciplinary Collaboration in the Nuclear Medicine Laboratory

(Shonan Kamakura General Hospital) **Megumi Satake**

2. Nurses' manual creation and implementation of intravenous isotope injections

(Nara Medical University Hospital) **Youji Koyanagi**

3. Nursing in the PET-CT room during amyloid PET examination

(Juntendo University Hospital Radiology Outpatient Nursing Department) **Yukiko Tsukamoto**

The 25th meeting of the Japanese Council of Nuclear Neuroimaging

15:00-17:00

FDG-PET and Brain Energy Metabolism in Dementia and Neurodegenerative Diseases

Chair : **Yasuyuki Kimura** (National Center for Geriatrics and Gerontology)

Yuhei Takado (Institute for Quantum Life Science, National Institutes for Quantum Science and Technology)

1. Brain energy impairment in Dementia and Neurodegenerative disorders

(Institute for Quantum Life Science, National Institutes for Quantum Science and Technology) **Yuhei Takado**

2. Histopathology of Dementia and Neurodegenerative Diseases

(Department of Pathology, Brain Research Institute, Niigata University) **Hiroshi Shimizu**

3. FDG-PET in Dementia and Neurodegenerative Diseases

(Neuroimaging/AI Diagnostic System, Tokyo Metropolitan Institute for Geriatrics and Gerontology) **Kenji Ishii**