

**The 66th Annual Scientific  
Meeting of the Japanese Society  
of Nuclear Medicine**

**The 46th Annual Meeting of the  
Japanese Society of Nuclear  
Medicine Technology**

**Joint Program**

## Presidential Lecture

Thursday Nov.19 14:00-14:40, Room 1

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

Tomoaki Yamamoto (Department of Medical Radiological Technology, Kyorin University)

1. My Way of Nuclear Medicine  
(Department of Radiology, Kobe University Graduate School of Medicine) **Kazunari Ishii**
2. My Way of Nuclear Medicine Technology  
(KINDAI University Hospital) **Kohei Hanaoka**

## Sponsored Symposium 01

Thursday Nov.19 10:40-11:40, Room 2

### Frontiers of Nuclear Cardiology: Advanced Imaging Technologies and Clinical Practice

Chair : Keisuke Kiso (Department of Radiology, The University of Osaka Graduate School of Medicine)

1. Suppression of Extracardiac Uptake Using cardioMUSK  
(Department of Radiology, Shirakawa Kosei General Hospital) **Atsushi Komuro**
2. Myocardial Viability: Diagnosis • Revascularization • Prognosis  
(Department of Cardiology, Nihon University Hospital) **Naoya Matsumoto**

Sponsored by : PDRadiopharma Inc.

## JSNM-JSNMT-JSMRM Joint Symposium

Thursday Nov.19 14:00-16:00, Room 2

### Nuclear Medicine and MRI: Paving the Way for Next-Generation Multimodality Imaging

Chair : Takashi Yoshiura (Department of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences)

Munenobu Nogami (Department of Radiology Kobe University Hospital / Biomedical Imaging Research Center, University of Fukui)

1. MRI Insights into Brain Clearance Dysfunction in Alzheimer Disease  
(Department of Radiology, Juntendo University) **Koji Kamagata**
2. PSMA PET and Urologic Imaging in Prostate Cancer: Current Roles and Future Directions  
(Department of Urology, Institute of Science Tokyo) **Soichiro Yoshida**
3. Usefulness of fluciclovine ( $^{18}\text{F}$ ) PET in diagnosing and treating gliomas  
(Department of Neurosurgery, Kobe University Hospital) **Kazuhiro Tanaka**
4. Utility of multimodality fusion images in cancer care  
(Department of Diagnostic Radiology, Gunma Prefectural Cancer Center) **Hiroyuki Horikoshi**

Sponsored by : Siemens Healthcare K.K.

Work in Progress

Thursday Nov.19 16:10-18:10, Room 2

How Advances in Imaging Systems Are Illuminating the Way of Nuclear Medicine

Chair : Ryuichi Nishii (Biomedical Imaging Sciences, Nagoya University Graduate School of Medicine)

Shingo Baba (Department of Health Sciences, Graduate School of Medical Sciences Kyushu University)

1. Canon Medical Systems: Latest Information

(Nuclear Medicine Systems Sales Div., Business Unit Center, Domestic Sales Headquarters,  
Canon Medical Systems Corporation) **Kazumasa Fujioka**

2. The Current State and Future Direction of Shimadzu Molecular Imaging

(Global Marketing Department, Medical Systems Division, Shimadzu Corporation) **Munehiro Takahashi**

3. Latest Updates from GE HealthCare in Nuclear Medicine

(MI, Imaging Div., GE HealthCare Japan Corporation) **Takayuki Kanno**

4. Siemens Healthineers Molecular Imaging Update

(Molecular Imaging, Siemens Healthcare K.K.) **Genki Horitsugi**

5. The Potential of Next-Generation Semiconductor SPECT in the Theranostics Era

(Application Specialist, Spectrum Dynamics Medical Japan K.K.) **Hayato Kitaoka**

6. Image Evaluation of the Initial Introduction of uMI Panvivo 30 — Reduced Scan Time and Improvement of Diagnostic Confidence through High Resolution and Motion Correction

(Marketing & Business Molecular Imaging Managers, Application Specialist United Imaging Healthcare Japan K.K.)  
**Xibin Quan**

Sponsored by : Canon Medical Systems Corporation / Shimadzu Corporation /  
GE HealthCare Japan Corporation / Siemens Healthcare K.K. /  
Spectrum Dynamics Medical Japan K.K. / United Imaging Healthcare Japan K.K.

## Sponsored Symposium 02

Thursday Nov.19 16:40-18:10, Room 4

### How Would You Interpret This? Dementia Case Studies: Advancing the Way of Nuclear Medicine

Chair : Kazunari Ishii (Department of Radiology, Kobe University Graduate School of Medicine)  
Kenji Ishii (Tokyo Metropolitan Institute for Geriatrics and Gerontology)

With the clinical implementation of anti-A $\beta$  (amyloid-beta) antibody therapies, the role of imaging diagnostics has become increasingly important for accurately diagnosing Alzheimer's disease (AD), excluding non-AD conditions, and determining patient eligibility for treatment. In this symposium, four clinical cases will be presented in a quiz-style format, featuring the interpretation results of various imaging modalities and corresponding clinical diagnoses. We invite participants to consider each case together with the presenters. By gaining a deeper understanding of the key interpretation points for MRI, SPECT, and Vizamyl PET images, we hope this session will provide practical insights that can be applied in daily clinical practice starting the very next day.

(Division of Integrated Analyses of Bioresource and Health Care, Kobe University Graduate School of Medicine)

**Kohei Morimoto**

(HAMAMATSU BioPhotonics Innovation Laboratory, Research and Development in Photonics Technology, Institute of Photonics Medicine / Department of Neurology, Hamamatsu University School of Medicine / Shizuoka Institute of Epilepsy and Neurological Disorders) **Tatsuhiro Terada**

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

(Department of Neurology, Kyoto University Hospital) **Atsushi Shima**

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

## Sponsored Symposium 03

Friday Nov.20 8:30-9:30, Room 1

### The Future of Cyclotron-Produced Radiopharmaceuticals

Chair : Michio Senda (Kobe City Medical Center General Hospital)

#### 1. Advances in Disease Characterization with $^{18}\text{F}$ Tau and Alpha-Synuclein PET

(Advanced Neuroimaging Center Institute for Quantum Medical Science National Institutes for Quantum Science and Technology) **Hironobu Endo**

#### 2. In-house production of astatine-labeled drugs

(Laboratory for Theranostics, Institute for Radiation Sciences, the University of Osaka / Department of Nuclear Medicine, the University of Osaka Hospital) **Watabe Tadashi**

#### 3. F-18 PET agents for personalized BNCT: current status and perspectives

(Institute for Integrated Radiation and Nuclear Science, Kyoto University / Faculty of Pharmacy, Osaka Medical and Pharmaceutical University) **Takashi Temma**

Sponsored by : Sumitomo Heavy Industries, Ltd.

**Sponsored Symposium 04** **Partially English** **Friday Nov.20 9:40-11:40, Room 1**

**Beyond Resolution: New Horizons in Brain PET**

Chair : Kazunari Ishii (Department of Radiology, Kobe University Graduate School of Medicine)  
Satoshi Minoshima (Radiology and Imaging Sciences, University of Utah)

1. Current Status and Future Prospects of Brain PET in the Context of PET Screening  
(National Center for Geriatrics and Gerontology / TrustClinic HIMEDIC NAGOYA) **Kengo Ito**
2. High-Resolution PET in Alzheimer's Disease: From Binary Reads to Individual Pathology Maps  
(Tokyo Metropolitan Institute for Geriatrics and Gerontology) **Kenji Ishii**
3. Beyond Tau PET: Expanding the Horizons of Brain Pathology Imaging  
(Department of Clinical and Translational Brain Research, Field for Brain Health and Prevention, Brain Research Institute, Niigata University / Advanced Neuroimaging Center, National Institutes for Quantum Science and Technology)  
**Hitoshi Shimada**
4. Fluciclovine PET Imaging and Treatment Planning for Brain Tumors  
(Nuclear Medicine Center, National Cancer Center Hospital) **Kimiteru Ito**
5. Dedicated and High-Resolution Brain PET Scanners: Clinical Perspectives  
(Radiology and Imaging Sciences, University of Utah, USA) **Satoshi Minoshima**

Sponsored by : Shimadzu Corporation

**Special Lecture** **Ⓔ** **Friday Nov.20 13:20-14:20, Room 1**

**The Way of Nuclear Medicine in the United States**

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

Current Status of Nuclear Medicine in the United States: Advances and Future Directions  
(Radiology and Imaging Sciences, University of Utah, USA) **Satoshi Minoshima**

**Sponsored Symposium 05** **Friday Nov.20 14:30-16:30, Room 2**

**Aiming for 1,000 Sickrooms with Radioprotective Special Measures in Japan!**  
**~Learning the Realities of Nuclear Medicine Treatment Introduction and Operation**  
**from New and Ingenious Facilities~**

Chair : Daiki Kayano (Nuclear Medicine, Kanazawa University)  
Kohei Hanaoka (KINDAI University Hospital)

1. Nuclear Medicine Therapy: Past, Present, and Future  
(Nuclear Medicine Center, National Cancer Center Hospital) **Kimiteru Ito**
2. RLT Implementation in a General Hospital Without RI Therapy Rooms: Role of Physicians  
(Department of Radiation therapy, Hiroshima Prefectural Hospital) **Yoshiko Doi**
3. Practical strategies for designated hospital rooms in radioisotope therapy  
(Department of Radiology, Kansai Electric Power Hospital) **Go Takai**

4. From One to Four Treatments per Week: Operational Improvements for Therapy Expansion  
(Department of Nursing, Shonan Kamakura General Hospital) **Megumi Satake**
5. Roles and Practical Contributions of Pharmacists in Implementing Radioligand Therapy  
(Department of Pharmacy, National Cancer Center Hospital East) **Daisuke Kano**

Sponsored by : Novartis Pharma K.K.

## Joint Special Program 01

Friday Nov.20 16:00-17:00, Room 3

### The Nuclear Cardiology Ultras Quiz for Refreshing You Returns!

Quiz Host : Mieko Ota (Central Radiology Department, Gifu Prefectural General Medical Center)  
Yasuyo Taniguchi (Department of General Medicine, Department of Cardiology, Hyogo Prefectural Harima-Himeji General Medical Center)

< Quizmaster >

(Department of Cardiology, Nihon University Hospital) **Naoya Matsumoto**

< Contestart >

(Medical Science Kyoto University of Medical Science) **Nagara Tamaki**

(Junpu Health care center) **Teruhito Mochizuki**

(Department of Radiology, The University of Osaka Graduate School of Medicine) **Keisuke Kiso**

(Department of Radiology, National Cerebral and Cardiovascular Center) **Emi Tateishi**

(Department of Internal Medicine, Rakuwakai Otowa Rehabilitation Hospital) **Kae Fukuyama**

(Department of Radiology, Sakakibara Heart Institute) **Yuka Otaki**

## Joint Special Program 02

Saturday Nov.21 9:00-10:00, Room 1

### Academia–Industry–Government Collaboration for the Clinical Implementation of Radiopharmaceuticals and Nuclear Medicine Therapy: Connecting Action Plans, National Strategies, and Healthcare Systems

Chair : Kazunari Ishii (Department of Radiology, Kobe University Graduate School of Medicine)  
Yuji Nakamoto (Department of Diagnostic Imaging and Nuclear Medicine, Graduate School of Medicine Kyoto University)

< Speaker >

1. Progress of the Action Plan for Promotion of Production and Utilization of Medical Radioisotopes and the Expert Committee  
(Japan Atomic Energy Commission, Cabinet Office) **Mitsuru Uesaka**
2. Advancing the Healthcare Delivery System for Nuclear Medicine and Radionuclide Therapy: Challenges and Recommendations  
(Kanazawa University) **Seigo Kinuya**
3. Accelerating the Implementation of Japan's National Strategy for Radiopharmaceuticals  
(Japan Radiopharmaceuticals Association / PDRadiopharma Inc. / Expert Committee on Radiopharmaceutical Development and Supply Chain Strengthening) **Masato Murakami**

< Discussant >

(Research Center for Nuclear Physics, The University of Osaka) **Jun Hatazawa**

(Office for Drug Discovery and Development Support, Policy Planning Division for Pharmaceutical Industry Promotion, Health Policy Bureau Ministry of Health, Labour and Welfare) **Teruhiko Kawabata**

## JSNM-JSNMT-JSDR Joint Symposium

Saturday Nov.21 10:10-11:40, Room 1

### How to Read, How to Report: Amyloid PET Imaging for Amyloid-Targeting Treatments

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

1. Amyloid PET Reading and Reporting: Bridging Nuclear Medicine to Clinical Practice  
(Department of Radiology, Fujita Health University) **Yoshitaka Inui**
2. Regional Collaboration in Amyloid PET Imaging: Our Experience and Practical Considerations  
(Department of Radiology, National Cerebral and Cardiovascular Center) **Emi Tateishi**
3. Communicating Amyloid PET Findings Between Nuclear Medicine Physicians and Prescribers  
(Geriatrics & Cognitive Disorders, Fujita Health University) **Ryota Kobayashi**

Sponsored by : Japan Drug Development and Medical Affairs, Eli Lilly Japan K.K.

## Public Seminar

Saturday Nov.21 15:30-16:30, Room 2

### Understanding Dementia and Mild Cognitive Impairment

Chair : Kazunari Ishii (Department of Radiology, Kobe University Graduate School of Medicine)  
Kohei Hanaoka (KINDAI University Hospital)

1. The Latest Developments in the Treatment and Prevention of Dementia  
(Department of Health Sciences, Kobe University Graduate School of Medicine) **Hisatomo Kowa**
2. Understanding Imaging Tests for Dementia and Mild Cognitive Impairment (MCI)  
(Department of Radiology, Kobe University Graduate School of Medicine) **Kazunari Ishii**

## Sponsored Symposium 06

Saturday Nov.21 8:30-9:30, Room 4

### Rising Star Session: Glorious Future of Nuclear Medicine with the Next Generation

Chair : Sho Koyasu (Department of Diagnostic Radiology, Kyoto University Hospital)  
Shoko Takano (Department of Nuclear Medicine, Yokohama City University Hospital)

1. Lured by Travel, Stayed for Nuclear Medicine: An Unexpected Career Journey  
(Department of Radiology, Kobe University Hospital) **Junko Inukai (Inoue)**
2. Supporting rare tumour care on many fronts: imaging, testing and regional collaboration  
(Department of Nuclear Medicine, Hokkaido University Hospital) **Junki Takenaka**
3. Growing Through Radiopharmaceutical Therapy: Clinical Practice, Research, and Guidelines  
(Department of Nuclear Medicine, Kanazawa University Hospital) **Tomo Hiromasa**

Sponsored by : GE HealthCare Japan Corporation

**Sponsored Symposium 07**

**Saturday Nov.21 13:20-14:20, Room 6**

**AMPA PET as a Next-Generation Brain Imaging Modality: Recent Advances in AMPA Receptor Imaging and Strategies for Clinical Translation**

Chair : Hidehiko Okazawa (University of Fukui)

1. Synaptic Medicine through AMPA Receptor PET: Applications to Psychiatry and Epilepsy  
(Department of Physiology, Yokohama City University Graduate School of Medicine) **Takuya Takahashi**
2. Challenges in Clinical Trials for Implementing AMPA-PET in Practice  
(Department of Physiology, Yokohama City University) **Hiroki Abe**

Sponsored by : Ampametry Co., Ltd.