

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

**The 44th Annual Meeting of the
Japanese Society of Nuclear
Medicine Technology**

Joint Program

Joint Symposium

Thursday Nov.7 8:30-10:00, Room 1

Cardiac PET/MR : pearls & pitfall

Chair : Keisuke Kiso (Department of Diagnostic Radiology, Tohoku University Hospital)
Kenta Miwa (School of Health Sciences, Fukushima Medical University)

1. Phantom for performance evaluation of PET/MRI combined system
(Hirosaki University) **Yasuyuki Takahashi**
2. Cardiac nuclear medicine imaging techniques using PET/MR
(Advanced Clinical Research Center, Fukushima Medical University) **Naoyuki Ukon**
3. Cardiac PET/MR: pearls & pitfall
(Department of Radiology and Nuclear Medicine, Fukushima Medical University) **Kenji Fukushima**

President Lecture

Thursday Nov.7 13:20-14:00, Room 1

Chair : Seigo Kinuya (Dept. of Nuclear Medicine, Kanazawa University)
Tomoaki Yamamoto (Faculty of Health Sciences, Kyorin University)

1. —Nuclear Medicine— The Starting Point of Diagnostic Radiology
(Tokai University School of Medicine) **Jun Hashimoto**
2. Changes in SPECT equipment and image analysis at Toranomon Hospital
(Technologist, Division of Nuclear Medicine, Department of Radiological Technology, Toranomon Hospital)
Kazuaki Mori

Work in Progress

Thursday Nov.7 13:20-15:40, Room 10

Chair : Hiroshi Toyama (Department of Radiology, Fujita Health University)
Ryogo Minamimoto (Nagoya University Department of Integrated Image Information Analysis)

1. Siemens Molecular Imaging Topics
(Molecular Imaging, Siemens Healthcare K.K.) **Genki Horitsugi**
2. Latest technology update on Molecular Imaging of GE Healthcare
(MI department, GE HealthCare Japan) **Naoki Suzuki**
3. CANON MEDICAL SYSTEMS New Topics
(Canon Medical Systems Corporation NM Sales) **Kouki Takekawa**
4. Cutting edge technology on BresTome TOF-PET system
(Global Marketing Department, Medical Systems Div., Shimadzu Corporation) **Koji Yamamoto**
5. Building the Future, Connecting Data: UIH's prospect of the potential of deep learning in PET/CT
(Shanghai United Imaging Healthcare-Molecular Imaging-Clinical Application Engineering) **Xibin Quan**

6. The latest technology of semiconductor SPECT

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

Supported by : Siemens Healthcare K.K. / GE HealthCare Japan /
Canon Medical Systems Corporation / Shimadzu Corporation /
United Imaging Healthcare Co.,Ltd. / Spectrum Dynamics Medical Japan K. K.

Special Lecture

Friday Nov.8 13:25-14:25, Room 1

Chair : Jun Hashimoto (Tokai University School of Medicine)

Kazuaki Mori (Technologist, Division of Nuclear Medicine, Department of Radiological Technology, Toranomon Hospital)

Front line of broadcasting technologies - Recent R&D activities at NHK STRL -

(NHK Science & Technology Research Laboratories) **Jun Arai**

5-Society Joint Symposium

Saturday Nov.9 8:40-10:40, Room 1

Radiation Therapy for Severe Arrhythmias —Use of Radionuclide Imaging in Planning—

Chair : Katsumasa Nakamura (Department of Radiation Oncology, Hamamatsu University School of Medicine)

Koichiro Yoshioka (Department of Cardiology, Tokai University)

1. Reflections on the Long Road to Realization of Cardiac Stereotactic Body Radiotherapy

(Department of Cardiology, Tokai University) **Koichiro Yoshioka**

2. The basics and procedures of treatment using X-rays

(Department of Radiation Oncology, Tokyo General Hospital) **Etsuo Kunieda**

3. The important role of nuclear medicine imaging in treatment planning and efficacy assessment

(Department of Cardiology, Tokai University / QST hospital, National Institutes for Quantum and Radiological Science and Technology) **Mari Amino**

4. Development of carbon-ion radiotherapy for the treatment of cardiac arrhythmias

(QST Hospital, National Institutes for Quantum Science and Technology) **Masaru Wakatsuki**

Public Lecture

Saturday Nov.9 15:00-16:30, Room 2

Ability of PET in the New Era

—Diagnosing Dementia with PET and Applying Disease-modifying Therapy—

Chair : Jun Hashimoto (Tokai University School of Medicine)

Kazuaki Mori (Technologist, Division of Nuclear Medicine, Department of Radiological Technology, Toranomon Hospital)

1. What is a PET scan? What They Are and How They Work

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

2. How do we diagnose dementia with PET? How is the therapeutic strategy determined?

(National Center for Geriatrics and Gerontology) **Takashi Kato**