

【Joint Sessions for Japan Radiology Congress】

Opening Ceremony: April 17 (Fri) 13:00~14:30 (Main Hall)

Performance: Ensemble Dunamiz

Keynote lecture

President	Kuni Ohtomo (The University of Tokyo) The 74th Annual Meeting of the Japan Radiological Society (JRS)
Conference President	Hiroshi Hirano (Shinshu University Hospital) The 71st Annual Scientific Congress of the Japanese Society of Radiological Technology (JSRT)
Congress Chair	Shinichi Wada (Niigata University) The 109th Scientific Meeting of the Japan Society of Medical Physics (JSMP)
Chairman	Kenichi Komatsu Japan Medical Imaging and Radiological Systems Industries Association (JIRA)

Joint Special Lecture

April 17 (Fri) 14:00~14:30 (Main Hall)

Severe Earthquake Disaster in Tokyo Metropolitan Area and the Gigantic Earthquake Imaged by a Seismic Tomography Method

Moderator: HIMEDIC Imaging Center at Lake Yamanaka/

Emeritus professor of Keio Univ. Sachio Kuribayashi

Earthquake Research Institute, the Univ. of Tokyo Naoshi Hirata

Joint Symposium 1

April 17 (Fri) 15:10~17:10 (Main Hall)

Patient Dose in Radiology: Manage the Invisible

Moderator: Aichi Medical Univ. Tsuneo Ishiguchi

NIRS Keiichi Akahane

1. We Can And We Must Reduce Radiation Exposure Perspective of
The American College of Radiology American College of Radiology, USA Paul H. Ellenbogen
2. Radiation Protection (EUROSAFE IMAGING) University of Crete, Greece John Damilakis
3. Activities for the Management of Medical Radiation Exposure in Japan
Asahi General Hosp. Takayuki Igarashi
4. Should the Radiological Community Continue the Present Radiation
Dose-reduction Campaign and Efforts? Fox Chase Cancer Center, USA Mohan Doss

Joint Symposium 2

April 18 (Sat) 9:50~11:50 (National Convention Hall)

The Importance of Team Care in Radiation Therapy

Moderator: Keio Univ. Naoyuki Shigematsu

Kinki Univ. Hosp. Masahiko Okumura

1. From the Position of Radiation Oncologist

Gunma Univ. Takashi Nakano

2. Radiation Therapy and Medical Physicists in Hokkaido University

Hokkaido Univ. Hosp. Ryusuke Suzuki

3. An Effectiveness and the Present Conditions That the Teamwork Brings at Miyakojima iGRT Clinic

Miyakojima iGRT Clinic Daisaku Tatsumi

4. Connecting Research and Clinical Applications

NIRS Shinichiro Mori

5. The Role of Nurse in Radiation Oncology

National Cancer Center Hosp. Kumi Shimotani

Joint Symposium 3

April 19 (Sun) 9:30~11:50 (Main Hall)

How Should We Face to the Automation Technologies in Radiology?

Moderator: Kyoto Univ. Masahiro Hiraoka

National Cancer Center Hosp. East Teiji Nishio

1. Modeling of Anatomical Structures for Computational Understanding of Medical Images

Hiroshima City Univ. Yoshitaka Masutani

2. Clinical Development of Computer-aided Diagnosis Systems

Yamaguchi Univ. Shoji Kido

3. Research and Development of Computer-Assisted Radiation Therapy Approaches and Their Clinical Applications

Kyushu Univ. Hidetaka Arimura

4. Use of Image Registration for Radiotherapy

Tohoku Univ. Noriyuki Kadoya

Reception for All Participants

April 17 (Fri) 18:15~19:30 (Yokohama Bay Hotel Tokyu B2F Queen's Grand Ballroom)

Closing and Awards Ceremony

April 19 (Sun) 15:00~16:15 (Main Hall)

Performance: JRC Festival Orchestra

Program: Overture for "Die Fledermaus" Radetzky March

【JSMP Program】

(A) Plenary Lectures

(1) April 17 (Fri) 11:00–11:50 (418, 419)

Moderator: Kyushu Univ. Hidetaka Arimura

Importance of Adaptive Response in Cancer Prevention and Therapy

Invited Speaker: Fox Chase Cancer Center, USA Dr. Mohan Doss

(2) April 18 (Sat) 11:00–11:50 (418, 419)

Moderator: Tokyo Metropolitan Univ. Hidetoshi Saitoh

Addendum to the AAPM's TG-51 Protocol for Clinical Reference Dosimetry of High-Energy Photon Beams

Invited Speaker: National Research Council, Canada Dr. Malcolm McEwen

(B) Morning Educational Lectures

(1) April 17 (Fri) 8:15–8:55 (418)

Moderator: Juntendo Univ. Satoru Sugimoto

DICOM Basics and Application

Invited Speaker: JIRA Makoto Suzuki

(2) April 18 (Sat) 8:15–8:55 (418)

Moderator: NIRS Shunsuke Yonai

Basis of Estimations of Radiation Exposures

Invited Speaker: NIRS Keiichi Akahane

(3) April 19 (Sun) 8:15–8:55 (418)

Moderator: NIRS Hideyuki Mizuno

Introduction to Electromagnetics - Vector Calculus and Maxwell's Equations -

Invited Speaker: Tokyo Institute of Technology Toshiyuki Kohno

(C) Lunch Time Lectures (Educational Lecture)

(1) April 17 (Fri) 12:00–12:50 (418, 419)

Moderator: Osaka Univ. Masao Matsumoto

High energy resolution spectroscopy with superconducting transition edge sensors

Invited Speaker: The Univ. of Tokyo Masashi Ohno

(2) April 18 (Sat) 12:00–12:50 (418, 419)

Moderator: Niigata Univ. Satoru Utsunomiya

The Initiation and Assessment of TG-142

Invited Speaker: Washington Univ., USA Dr. Eric E. Klein

(3) April 19 (Sun) 12:00–12:50 (418, 419)

Moderator: Niigata Univ. Shinichi Wada

Ionizing radiation-induced DNA damage and its cellular responses

Invited Speaker: NIRS Takeshi Yasuda

(D) The 109th JSMP Symposium

(1) April 18 (Sat) 14:20~17:05 (418, 419)

How to establish clinical training program of medical physicists in Japan?

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| | Moderator: NIRS
Niigata Univ. | Kumiko Karasawa
Satoru Utsunomiya |
| 1. Objectives of a Medical Physicist Clinical Training Program (Residency Program) | Washington Univ., USA | Dr. Eric E. Klein |
| 2. Clinical Training of Medical Physicists Specializing in Radiation Oncology | IOMP and Hong Kong Sanatorium & Hosp. | Dr. Kin Yin Cheung |
| 3. Medical physics residency program at University of Tsukuba | Univ. of Tsukuba | Takeji Sakae |
| 4. Medical physics clinical training at Osaka University | Osaka Univ. | Iori Sumida |
| 5. JBMP's policies on Medical Physics Clinical Training | Hokkaido Univ. | Hiroki Shirato |
| 6. General Discussion | | |

(2) April 19 (Sun) 13:00~14:40 (419)

How could we contribute in reducing the lung cancer mortality?

–Facing to CMS decision for lung cancer with low dose CT screening –

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| | Moderator: National Cancer Center Hosp. East
Niigata Univ. | Hironobu Ohmatsu
Shinichi Wada |
| 1. Current situation and perspective of CT lung cancer screening: trials in Hiroshima prefecture | Hiroshima Univ. | Kazuo Awai |
| 2. A decrease in lung cancer mortality following the implementation of CT screening for general population. | Hitachi General Hosp., Hitachi, Ltd | Takeshi Nawa |
| 3. Current Status and Future Perspectives in Lung Cancer CT Screening CAD system | Gifu Univ. | Hiroshi Fujita |
| 4. Reduction of Lung Cancer Mortality by Disseminating CT Screening: Action as a Medical Physicist | Niigata Univ. | Shinichi Wada |
| 5. Specified Remarks and Discussions | | |

[JSRT-JSMP Joint Session]

(E) How to get Grants-in-Aid, -Research field “Medical Physics and Radiological Technology”

April 18 (Sat) 13:00–14:00 (F201)

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| | Moderator: Osaka Univ. Hosp.
Osaka Univ. | Tsukasa Doi
Masahiko Koizumi |
| (1) Desirable application from a reviewer's standpoint | Tokyo Metropolitan Univ. | Hidetoshi Saitoh |
| (2) Important things in determining a research theme | Hokkaido Univ. | Masayori Ishikawa |

- (3) The survey results for the acquisition of Grants-in-Aid
Osaka Univ. Hosp. Tsukasa Doi
- (4) The present situation and future in university hospital
Kumamoto Univ. Hosp. Masahiro Hashida
- (5) Way to apply the JSPS KAKENHI at a private clinic
Miyakojima iGRT Clinic Daisaku Tatsumi

[JSMP-JSRT Joint Session]**(F) RPT Doi Awards Ceremony and Winners' Lectures**

April 19 (Sun) 12:00–13:00 (Annex Hall; F201)

General Moderator: RPT Editor-in-Chief Kunio Doi
Moderator: Kyushu Univ. Junji Morishita

1) Diagnostic Imaging

Moderator: RPT Deputy Editor Sigehiko Katsuragawa

RPT Vol.7 No.2

Development and evaluation of statistical shape modeling for principal inner organs on torso CT images

Gifu Univ. Xiangrong Zhou

2) Nuclear Medicine and MR

Moderator: RPT Deputy Editor Tomoyuki Hasegawa

RPT Vol.7 No.2

A method for assessing metabolic information on liver and bone marrow by use of double gradient-echo with spectral fat suppression

Nagoya City Univ. Hosp. Harumasa Kasai

3) Radiotherapy

Moderator: RPT Deputy Editor Masahiro Endo

RPT Vol.7 No.1

A formulation of cell surviving fraction after radiation exposure

Hokkaido Univ. Hiroyuki Date

[JCMP/JASTRO Joint meeting]**(G) Brief meeting of the graduate course and employment for medical physicist**

April 18 (Sat) 13:00–14:10 (418)

JSMP Board of Directors

April 16 (Thu) 12:00–17:00 (421)

JSMP General Meeting of Members

April 18 (Sat) 17:10–18:10 (419)

Japanese College of Medical Physics

April 18 (Sat) 18:15–19:15 (419)

Various Committees

April 16 (Thu) –April 19 (Sun)