

【Joint Sessions for Japan Radiology Congress】

Opening Ceremony

· Opening Ceremony: April 14 (Fri.) 13:10-14:00 (National Convention Hall)

Keynote Lecture

President: Kazuo Awai (Hiroshima University)
The 82nd Annual Meeting of the Japan Radiological Society (JRS)

President: Takao Ichida (Osaka Metropolitan University Hospital)
The 79th Annual Meeting of the Japanese Society of Radiological Technology (JSRT)

President: Shinji Abe (Ibaraki Prefectural University of Health Sciences)
The 125th Scientific Meeting of the Japan Society of Medical Physics (JSMP)

Chairperson: Akio Yamamoto
Japan Medical Imaging and Radiological Systems Industries Association (JIRA)

Honorary Member Award Ceremony

· Honorary Member Award Ceremony: April 14 (Fri.) 14:00-14:50 (National Convention Hall)

Joint Special Lecture

· Joint Special Lecture: April 14 (Fri.) 14:50-15:20 (National Convention Hall)

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| | Chairperson: Hiroshima University | Kazuo Awai |
| CSL. The Past and Future of Brain-AI Hybrids | The University of Tokyo | Yuji Ikegaya |

Joint Symposium

· Joint Symposium 1: April 14 (Fri.) 16:45-18:45 (National Convention Hall)

「Game Changer in Medicine with Radiology」

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| | Chairperson: Tohoku University | Kei Takase |
| | Jichi Medical University Saitama Medical Center | Noriko Oyama-Manabe |
| CSY1-1. Game Changer in Diagnostic Imaging | Keio University | Masahiro Jinzaki |
| CSY1-2. Game Changer in Artificial Intelligence Area | Tokyo Institute of Technology | Kenji Suzuki |
| CSY1-3. Game Changer in Interventional Radiology | Okayama University | Takao Hiraki |
| CSY1-4. Game Changer for Radiation Therapy in the near Future | Kochi University | Tomoki Kimura |

• Joint Symposium 2: April 15 (Sat.) 9:30-11:30 (National Convention Hall)

「Radiological Technology Based upon the Past -New Innovation by Angio-CT System-」

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| | Chairperson: Tohoku University | Kei Takase |
| | Osaka Metropolitan University Hospital | Takao Ichida |
| CSY2-1. Idea of Angio-CT, Viewpoint of Radiological Technology Studies | Osaka Metropolitan University Hospital | Takao Ichida |
| CSY2-2. Use of Angio-CT in Clinical Practice and Comparison with CB-CT | Nara Medical University | Toshihiro Tanaka |
| CSY2-3. Usefulness of Angio-CT in Percutaneous RFA and CTA of the Lower Extremity | Osaka Metropolitan University | Akira Yamamoto |
| CSY2-4. The Utilization of Hybrid-ER | Saiseikai Yokohamashi Tobu Hospital | Naoyuki Inagaki |
| CSY2-5. CT Guided Puncture Using “Direct MPR” | Shizuoka Cancer Center | Takeshi Aramaki |
| CSY2-6. Combined Use of Other Innovative Technologies with Angio-CT | Okayama University | Takao Hiraki |

• Joint Symposium 3: April 15 (Sat.) 13:30-15:30 (National Convention Hall)

「Innovation of Radiological Sciences in Medical Physics」

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| | Chairperson: Kyushu University | Hidetaka Arimura |
| CSY3-1. Ensemble Pruning and Multi-class Metrics in Radiology Machine Learning | Jikei University School of Medicine | Norio Nakata |
| CSY3-2. Innovations in Diagnostic Radiology Using Artificial Intelligence | Center for Frontier Medical Engineering, Chiba University | Yukihiro Nomura |
| | Chairperson: Kyorin University | Tomoaki Yamamoto |
| CSY3-3. Current Status and Future of Nuclear Medicine Therapy - Expectations for Theranostics - | Kanazawa University Hospital | Hiroshi Wakabayashi |
| CSY3-4. Innovations in Nuclear Medicine in Medical Physics | Fukushima Medical University | Naoyuki Ukon |
| | Chairperson: University of Tsukuba | Takeji Sakae |
| CSY3-5. Development of Radiation Therapy Technology in Medical Physics from a Clinician's Point of View | Tohoku University | Keiichi Jingu |
| CSY3-6. Innovations in Radiation Therapy in Medical Physics | Tohoku University | Noriyuki Kadoya |

JRS • JSRT • JSMP Joint Project Hands-on Seminar

1. Hands-on Seminar

April 15 (Sat.) 13:30-16:30 (315)

April 16 (Sun.) 8:30-11:30 (315)

Postmortem Image Interpretation Workshop

General Manager: Hokkaido University

Kohsuke Kudo

Coordinator: University of Fukui

Hideki Hyodoh

CHS1-1. Forensic Postmortem Image Findings

Instructor: University of Fukui

Hideki Hyodoh

CHS1-2. Forensic Postmortem Image Findings

Instructor: The University of Tokyo

Yohsuke Makino

CHS1-3. Normal Postmortem Image Changes

Instructor: Tokyo Medical University/The University of Tokyo

Masanori Ishida

CHS1-4. Normal Postmortem Image Changes

Instructor: Hiroshima University

Wataru Fukumoto

Nagasaki Hospital

Tomonori Murakami

Chiba University

Makiko Yoshida

Niigata University

Naoya Takahashi

Hokkaido University

Yohei Ikebe

Joint Members Ceremony

Joint Members Ceremony: April 16 (Sun.) 13:15-13:50

(National Convention Hall)

Joint Closing Ceremony

Joint Closing Ceremony: May 22 (Mon.) 16:00-17:00

(On demand broadcasting)

【JSRT-JSMP Joint Session】

The 2nd ICRPT Opening Ceremony

April 14 (Fri.) 11:20-11:50 (502)

JSRT-JSMP Joint Lecture 1

April 14 (Fri.) 12:00-13:00 (502)

Chairperson: Fujita Health University Naoki Hayashi

TPJ1. Advanced Approaches to Improving Diagnostic Performance of Digital Breast Tomosynthesis

Korea Advanced Institute of Science and Technology, Korea Seungryong Cho

JSRT-JSMP Joint Lecture 2

April 16 (Sun.) 12:10-13:00 (502)

Chairperson: NIRS, QST Yasuo Okuda

Tsukuba International University Noriyuki Yanagawa

TPJ2. Radiological Technology in Asia: What We Have Done and What We Can Do

Fukushima Medical University Hiroko Yamashina

JSRT-JSMP Joint Program (RPT Journal Editing Committee Program)

April 15 (Sat.) 12:10-13:00 (502)

Aim to Write a Very High Quality Paper

Chairperson: Kyushu University Akihiro Nohtomi

Tsukuba International University Noriyuki Yanagawa

TPR-1. Essentials for Preparing to Write Paper

Kyushu University Toshioh Fujibuchi

TPR-2. Highly Rated Paper

Kanazawa University Tosiaki Miyati

Award Ceremony for Doi-Prize and Most Citation Award, and Award Lectures

April 15 (Sat.) 11:10-12:00 (502)

General Chairperson: Tsukuba International University Noriyuki Yanagawa

Facilitator: Kyushu University Akihiro Nohtomi

1) Most Citation Award Ceremony

2) Outstanding Reviewer Award Ceremony

3) RPT Editing Achievement Award Ceremony

4) Doi-Prize Award Lectures

A) Medical Imaging

Chairperson: Formerly of Nagoya University

Yoshie Kodera

RPT Vol. 15, No. 3

TPA-1. Patch-based artifact reduction for three-dimensional volume projection data of sparse-view micro-computed tomography

Chiba University Takayuki Okamoto

B) Nuclear Medicine / Magnetic Resonance Imaging

Chairperson: NIRS, QST Taiga Yamaya

RPT Vol. 15 No. 2

TPA-2. Marker-less and calibration-less motion correction method for brain PET

NIRS, QST Yuma Iwao

C) Radiation Therapy

Chairperson: Formerly of Kumamoto University Fujio Araki

RPT Vol. 15 No. 1

TPA-3. First optical observation of ^{10}B -neutron capture reactions using a boron-added liquid scintillator for quality assurance in boron neutron capture therapy

Kyushu University Akihiro Nohtomi

Award Ceremony and Commemorative Lecture of the ICRU Gray Medal

April 15 (Sat.) 13:10-14:00 (502)

Chairperson: Kumamoto University Junji Shiraishi

TPC.

Emeritus Professor, The University of Chicago Emeritus Professor, Gunma Prefectural College of Health Sciences (GCHS) Honorary Consultant, the Japanese Society of Radiological Technology

Kunio Doi

【JSMP Program】

Educational Lecture

Educational Lecture 1

April 13 (Thu.) 13:00-13:50 (418)

Chairperson: Accuray Japan K.K.

Shinji Tsudou

PEL-1. Explanation of AAPM task group 198 report - Update of AAPM task group 142 and Implementation in National Cancer Center Hospital East -

National Cancer Center Hospital East

Hidenobu Tachibana

Educational Lecture 2

April 14 (Fri.) 8:00-8:50 (418)

Chairperson: Niigata University

Satoru Utsunomiya

PEL-2. The present and future of AI driven by deep learning

Tohoku University

Takayuki Okatani

Educational Lecture 3

April 14 (Fri.) 16:40-17:40 (418)

Chairperson: Kyushu University

Hidetaka Arimura

PEL-3. Large-scale benchmark data for machine learning-based image recognition: effect and limitation

National Institute of Informatics

Shinichi Sato

Educational Lecture 4

April 15 (Sat.) 9:00-9:50 (418)

Chairperson: Japanese Red Cross Wakayama Medical Center

Yoshitomo Ishihara

PEL-4. Principle of photon-counting CT and its future prospects

Siemens Healthineers

Toshihide Itoh

Educational Lecture 5

April 15 (Sat.) 10:00-10:50 (418)

Chairperson: Teikyo University

Jun'ichi Kotoku

PEL-5. Challenges of systems med & pharma

The University of Tokyo

Hirokazu Sugiyama

Educational Lecture 6

April 16 (Sun.) 8:00-8:50 (418)

Chairperson: HIPRAC

Shuichi Ozawa

PEL-6. History and future of Japanese medical physicist qualification

TWMU

Kumiko Karasawa

QA/QC Committee Program

April 14 (Fri.) 9:00-9:50 (418)

Targeted radionuclide therapy: JSMP working group activity and overseas trends

Chairperson: Kyoto University Mitsuhiro Nakamura

PCP1. Targeted radionuclide therapy: JSMP working group activity and overseas trends

QST Hospital, QST Takamasa Maeda

Dosimetry Committee Program

April 14 (Fri.) 10:00-11:50 (418)

Dosimetry in MR-Linacs

Chairperson: Nagoya University Hiroshi Oguchi

PCP2-1. Absorbed dose to water reference dosimetry in MR-Linacs: evaluation of available data

Komazawa University Yukio Fujita

PCP2-2. Installation and dosimetry of 1.5T MR-linac

Chiba University Kota Abe

PCP2-3. Installation and dosimetry of MR-linac with low magnetic field

National Cancer Center Hospital Takahito Chiba

Radiological Protection Committee Program

April 14 (Fri.) 12:00-13:00 (418)

Trends and applied research on computational human phantoms for dose assessment

Chairperson: NIRS, QST Yusuke Koba

Tokyo Metropolitan University Shinnosuke Matsumoto

PCP3-1. Computational human phantoms and radiation transport codes

Japan Atomic Energy Agency Daiki Sato

PCP3-2. Dosimetry of medical exposure using computational human phantoms

NIRS, QST Yusuke Koba

International Affairs Committee Program

April 14 (Fri.) 15:30-16:30 (418)

Medical Physics Education in the accredited course and afterwards

Chairperson: HIPRAC Shuichi Ozawa

Fujita Health University Naoki Hayashi

PCP4-1. What Would You Tell Your 25-Year-Old Self Now?

Proton Therapy Pte. Ltd., Singapore Institute of Advanced Medicine, Singapore Yen Hwa Lin

PCP4-2. Accredited medical physics courses in Japan, a valuable opportunity for young researchers

Ho Chi Minh City Oncology Hospital, Vietnam Quoc Cuong Le

JSMP Special Lecture 1

April 15 (Sat.) 11:00-12:00 (418)

Large language models: AI technology to support retrieval and understanding of scholarly documents

Chairperson: Ibaraki Prefectural University of Health Sciences Shinji Abe

PSL1. Large language models: AI technology to support retrieval and understanding of scholarly documents

National Institute of Informatics

Akiko Aizawa

JSMP Special Lecture 2

April 16 (Sun.) 12:10-13:00 (418)

Developing new ideas based on study of the past diagnostic imaging technology

Chairperson: Kitasato University

Hidetake Hara

PSL3. Discussion on future problems from past and current studies in imaging diagnostic technologies:
x2ai2x

Kyushu University

Hidetaka Arimura

JSMP Executive Committee Program

April 16 (Sun.) 9:00-11:00 (419)

Medical physics roundtable for young researchers

Chairperson: NIRS, QST

Soudai Tanaka

QST Hospital, QST

Hideyuki Mizuno

PSL2. Medical physics roundtable for young researchers

JSMBE-JSMP Joint Symposium

April 15 (Sat.) 12:10-13:00 (418)

Internet of Medical Things (IoMT)

Chairperson: Kindai University

Yuichi Kimura

QST Hospital, QST

Shigekazu Fukuda

PJP-1. IoT changes Healthcare

Kyoto University

Tomohiro Kuroda

PJP-2. Panel Discussion

Kyoto University

Tomohiro Kuroda

PJP-3. Panel Discussion

University of Tsukuba

Takeji Sakae

PJP-4. Panel Discussion

Komazawa University

Taiki Magome

Educational Affairs Committee Program

April 15 (Sat.) 15:40-17:50 (419)

Medical physics education course exchange meeting hosted by JSMP education committee

Chairperson: HIPRAC Shuichi Ozawa

PCP5. Panel Discussion

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| Teikyo University | Jun'ichi Kotoku |
| Tokai University Hospital | Yoshitsugu Matsumoto |
| National Cancer Center Hospital | Hiroyuki Okamoto |
| National Cancer Center Hospital East | Hidenobu Tachibana |
| Tokyo Women's Medical University | Takayuki Kanai |
| Niigata University Medical & Dental Hospital | Satoshi Tanabe |
| Kobe University Hospital | Naritoshi Mukumoto |
| Komazawa University | Yujiro Nakajima |
| Tokushima University | Akihiro Haga |
| Teikyo University | Hidemi Kamezawa |
| Hiroshima University | Akito Saito |
| HIPRAC | Hideharu Miura |
| Yamagata University | Takeo Iwai |
| Osaka University | Teiji Nishio |
| Kindai University | Kazuki Kubo |
| The University of Tokyo | Kanabu Nawa |
| Hokkaido University Hospital | Ryusuke Suzuki |
| Nagoya University | Katsunori Yogo |
| Tohoku University | Noriyuki Kadoya |
| Gunma University | Motohiro Kawashima |
| Juntendo University Urayasu Hospital | Tatsuya Inoue |
| University of Tsukuba | Tomonori Isobe |
| Ibaraki Prefectural University of Health Sciences | Hiraku Fuse |
| Fujita Health University | Naoki Hayashi |
| Kyushu University | Hidetaka Arimura |
| Japanese Red Cross Wakayama Medical Center | Yoshitomo Ishihara |