【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)

  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」

  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-」
  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」
  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

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

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 10B-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 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

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