

## I. Joint Sessions for Japan Radiology Congress

### Opening Ceremony

- Opening Ceremony: April 13 (Fri.) 13:10-15:00 (Main Hall)

#### Keynote lecture

President:	Yutaka Imai (Tokai Univ.) The 77th Annual Meeting of the Japan Radiological Society (JRS)
Conference President:	Shigeo Nishiki (Tenri Hosp.) The 74th Annual Meeting of the Japanese Society of Radiological Technology (JSRT)
Congress Chair:	Hiroshi Oguchi (Nagoya Univ.) The 115th Scientific Meeting of the Japan Society of Medical Physics (JSMP)
Chairman:	Kenichi Komatsu Japan Medical Imaging and Radiological Systems Industries Association (JIRA)

### Honorary Member Award Ceremony

- Honorary Member Award Ceremony: April 13 (Fri.) 13:50-14:20 (Main Hall)

Moderator: Hiroshi Honda (Kyushu Univ.)  
Yutaka Imai (Tokai Univ.)

Herbert Y. Kressel (Harvard Medical School, Beth Israel Deaconess Medical Center, USA)  
Seung Hyup Kim (Seoul National University Hospital, Korea)  
Satoshi Minoshima (University of Utah, USA)

### Joint Special Lecture

- Joint Special Lecture: April 13 (Fri.) 14:20-15:00 (Main Hall)

Moderator: Yutaka Imai (Tokai Univ.)  
Koichi Tanaka (Shimadzu Corporation)

Merging Analytical and Medical Science for the Evolution of Healthcare

### Joint Symposium

- Joint Symposium 1: April 13 (Fri.) 15:10-17:10 (Main Hall)

「Management for Radiation Dose Reduction in Clinical Practice」  
Moderator: Yusuke Inoue (Kitasato Univ.)  
Yasuo Okuda (QST/NIRS)

Keynote Lecture ICRP and Priorities for Radiological Protection in Medicine  
Claire Cousins (International Commission on Radiological Protection (ICRP), UK)

1. Radiation Dose Management in CT: Things to Do Right Now  
Masaaki Akahane (International Univ. of Health and Welfare)
2. Radiation Dose Reduction in Pediatric Radiology: Current Situation in Japan  
Osamu Miyazaki (National Center for Child Health and Development)
3. Dose Management Systems in Radiology Elmar Kotter (University of Freiburg/Medical Center, Germany)
4. Optimization of Medical Radiation Exposure for IVR in Japan Takao Ichida (Osaka City University Hosp.)
5. Evaluation of Radiation Dose from Cone Beam CT in Image-guided Radiation Therapy  
Takeshi Ohno (Kumamoto Univ.)

- Joint Symposium 2: April 14 (Sat.) 9:10-11:50 (Main Hall)

「Establishing Fundamental Knowledge for the Clinic!: An Invitation to Preclinical Research」  
Moderator: Takayuki Obata (QST/NIRS)  
Shigeyoshi Saito (Osaka Univ.)

1. Preclinical Magnetic Resonance Imaging Study for Connect Animal and Human  
Junichi Hata (RIKEN Brain Science Institute)
2. Preclinical Imaging Study Using Nuclear Medicine Technology  
Kodai Nishi (Nagasaki Univ.)

3. Predictive Biomarker for the Detection of Ionizing Radiation Toxicity Satoru Monzen (Hirosaki Univ.)
4. Things to Know before Using Imaging Biomarkers in the Clinic  
Riwa Kishimoto (National Institute of Radiological Sciences)
5. Hopes and Requests from Clinical Side Masaaki Hori (Juntendo Univ.)
6. Near Infrared Photoimmunotherapy for Cancer: A Newly Developed Technology Practically Useful for Patients  
Hisataka Kobayashi (Molecular Imaging Program/National Cancer Institute/NIH, USA)

· Joint Symposium 3: April 14 (Sat.) 13:00-15:00 (Main Hall)

- 「Current Status of Radiomics Research in Radiology」 Moderator: Kohsuke Kudo (Hokkaido University Hosp.)  
Jun'ichi Kotoku (Teikyo Univ.)
1. Concepts and Implementation of Radiomics in Medical Imaging Research  
Samuel G. Armato III (The University of Chicago, USA)
  2. Radiomics of Medical Imaging Using Multivariate Analysis and Artificial Intelligence  
Kenichi Nakajima (Kanazawa Univ.)
  3. Current Status and Perspectives of Radiomics for Personalized Radiation Therapy  
Hidetaka Arimura (Kyushu Univ.)
  4. Radiomics and Image Analysis  
Akihiro Haga (Tokushima Univ.)

### Joint Educational Session

· Diagnostic and Therapeutic Indications of Prostate Cancer: April 13 (Fri.) 9:10-11:40 (302)

- Moderator: Atsunori Yorozu (Tokyo Medical Center)  
Masahiko Okumura (Kindai University Hosp.)
1. How Do Urologists Treat Prostate Cancer? Akira Miyajima (Tokai Univ.)
  2. Multiparametric MR Imaging of Prostate Cancer Yasushi Kaji (Dokkyo Medical Univ.)
  3. Radiotherapy for Prostate Cancer Toshio Ohashi (Keio Univ.)
  4. Radiopharmaceutical Agents for the Diagnosis and Treatment of Prostate Cancer  
Mana Yoshimura (Tokyo Medical Univ.)
  5. The Role of Radiotherapy Technologists in High-precision Radiotherapy for Prostate Cancer Patients  
Ryu Kawamorita (Tane General Hosp.)
  6. High-precision Radiotherapy for Prostate Cancer: The Role of Medical Physicists  
Kaoru Ono (High-precision Radiotherapy Center, Hiroshima Heiwa Clinic)

### Reception for All Participants (Congress Party)

- Reception for All Participants (Congress Party): April 13 (Fri.) 18:15-19:30  
(Yokohama Bay Hotel Tokyu B2F Queen's Grand Ballroom)

### Closing and Awards Ceremony

- Closing and Awards Ceremony: April 15 (Sun.) 15:00-16:15 (Main Hall)  
Performance: JRC2018 Festival Orchestra