

# The 35th Annual Meeting of the Japanese Society for Radiation Oncology [English Program]

## Presidential Lecture

**November 11, 2022 (Fri) 13:00-13:30, Room 1**

Chair: Naoyuki Shigematsu (Department of Radiology, Keio University, School of Medicine)

ACP A Million Hearts as One-The Present and Future of High-Precision Radiotherapy-  
Yasushi Nagata (Department of Radiation Oncology, Hiroshima University)

## Presidential Lecture ASTRO & ESTRO \*English

**November 11, 2022 (Fri) 13:40-14:40, Room 1**

Chairs: Naoyuki Shigematsu (Department of Radiology, Keio University, School of Medicine)  
Yasushi Nagata (Department of Radiation Oncology, Hiroshima University)

ASTRO Global Radiation Oncology: Challenge and Opportunity  
Thomas Eichler (Department of Radiation Oncology, Virginia Commonwealth University  
/ Massey Cancer Center)

ESTRO The past, present and future of hypofractionation in breast cancer  
Anna Kirby (Department of Radiotherapy, Royal Marsden Hosp and Institute of Cancer Research, UK)

## 34th Annual Meeting Memorial Lecture

**November 10, 2022 (Thu) 15:30-15:50, Room 1**

Chair: Yasushi Nagata (Department of Radiation Oncology, Hiroshima University)

ML Establishment of network systems to promote radiation therapy  
Kenji Nemoto (Yamagata University)

## Special Lecture

**November 12, 2022 (Sat) 11:00-12:00, Room 1**

Chair: Yasushi Nagata (Department of Radiation Oncology, Hiroshima University)

SL Near infrared photoimmunotherapy of cancer  
Hisataka Kobayashi (Molecular Imaging Branch, National Cancer Institute/NIH)

## Award Lecture of Honorary Membership \*English

**November 11, 2022 (Fri) 14:50-15:40, Room 1**

Chair: Hisanori Ariga (Department of radiation oncology, Iwate medical university)

OAL Mechanisms of Cell Death in Tumors Treated with Stereotactic Ablative Radiotherapy  
Chang W. Song (Department of Radiation Oncology, University of Minnesota, USA)

## Award Lecture-Gold Medal

**November 10, 2022 (Thu) 13:40-14:15, Room 1**

Chair: Hisanori Ariga (Department of radiation oncology, Iwate medical university)

GM Hiroki Shirato (Hokkaido university)

## JASTRO-ESTRO Joint Symposium \*English

**November 10, 2022 (Thu) 10:20-11:50, Room 1**

### “Update on the latest findings in particle therapy”

Chairs: Hideyuki Sakurai (Department of Radiation Oncology, Faculty of Medicine, University of Tsukuba)  
Anna Kirby (Royal Marsden NHS Foundation Trust, United Kingdom)

JEJS-1 Particle therapy in European countries

Esther G.C. Troost (Faculty of Medicine and University Hospital Carl Gustav Carus,  
Department of Radiotherapy and Radiation Oncology, Germany)

JEJS-2 Proton and carbon ion therapy in Japan

Tatsuya Ohno (Department of Radiation Oncology, Gunma University)

JEJS-3 Development of a Quantum Scalpel

Taku Inaniwa (National Institute for Quantum Science and Technology /  
Division of Health Sciences, Osaka University)

## International Lecture 1 \*English

**November 11, 2022 (Fri) 09:20-11:20, Room 2**

Chairs: Yutaka Hirokawa (Hiroshima Heiwa Clinic, Aoikai Medical Corporation)

Tomoki Kimura (Department of Radiation Oncology, Kochi Medical School, Kochi University)

IL1-1 Importance of Radiation Treatment Duration for The Lung Cancer

Ritsuko Komaki (Emeritus Professor of Radiation Oncology UT MDACC /  
Adjunct Professor of Radiation Oncology Baylor College of Medicine, USA)

IL1-2 Advanced radiation technology in the management of locally-advanced pancreatic cancer

Stephen G. Chun (Department of Radiation Oncology, University of Texas,  
M.D. Anderson Cancer Center, USA)

IL1-3 Update on the Management of Locally-Advanced Lung Cancer

Jefferey Bradley (Radiation Oncology, Emory University School of Medicine and  
the Winship Cancer Institute, USA)

## International Lecture 2 \*English

**November 11, 2022 (Fri), 15:30-17:15, Room 3**

Chairs: Masahiro Hiraoka (Emeritus Professor, Kyoto University)

Takashi Nakano (Quantum Life and Medical Science Directorate,  
National Institute for Quantum Science and Technology)

IL2-1 Global radiotherapy IAEA initiatives and the future of collaboration

May Abdel-Wahab (Division of Human Health, International Atomic Energy Agency)

IL2-2 New Advances In Radiation Therapy of Prostate Cancer

Xian-shu Gao (Department of Radiation Oncology, Peking University First Hospital, China)

IL2-3 Radiotherapy for prostate cancer: An Update

Patrick Kupelian (Department of Radiation Oncology, UCLA /  
Varian Medical Systems, A Siemens Healthineers company, USA)

### International Lecture 3 \*English

**November 12, 2022 (Sat) 09:20-10:40, Room 1**

Chairs: Hidefumi Aoyama (Department of Radiation Oncology, Hokkaido University Faculty of Medicine)  
Yuta Shibamoto (Narita Memorial Proton Center)

- IL3-1 Innovative treatments for the treatment of primary brain tumors  
Roger Stupp (Multidisciplinary Oncology Center, Centre Hospitalier Universitaire Vaudois,  
Lausanne, Switzerland)
- IL3-2 The Incorporation of Stereotactic Body Radiotherapy into Spinal Oncology Care  
Simon Lo (Department of Radiation Oncology, University of Washington,  
School of Medicine, University of Washington Medical Center /  
Fred Hutchinson Cancer Center, USA)

### Special Program 1

**November 11 2022 (Fri) 13:40-15:10, Room 2**

**“Updated clinical trials, radiotherapy, esophageal cancer, head & neck cancer”**

Chairs: Yoshinori Ito (School of Medicine, Department of Radiology, Showa University)  
Satoshi Ishikura (Tokyo Bay Advanced Imaging & Radiation Oncology Makuhari Clinic)

- SP1-1 Radiotherapy  
Yasumasa Nishimura (Department of Radiation Oncology, Kindai University Faculty of Medicine)
- SP1-2 Esophageal Cancer  
Ken Kato (Department of Head and Neck, Esophageal Medical Oncology,  
National Cancer Center Hospital)
- SP1-3 Head & neck cancer  
Naomi Kiyota (Kobe University Hospital Cancer Center)

### Special Program 2

**November 11 2022 (Fri) 15:30-17:00, Room 2**

**“Updated clinical trials, lung cancer, brain tumor, breast cancer”**

Chairs: Yasushi Nagata (Department of Radiation Oncology, Hiroshima University)  
Naoto Shikama (Juntendo University)

- SP2-1 Lung cancer  
Keiju Aokage (Division of Thoracic Surgery, National Cancer Center Hospital East, Japan)
- SP2-2 Brain tumor  
Yoshiki Arakawa (Department of Neurosurgery, Kyoto University of Graduate School of Medicine)
- SP2-3 Breast cancer  
Tadahiko Shien (Department of Breast and Endocrine Surgery, Okayama University Hospital)

## Symposium 1

**November 10 2022 (Thu) 10:20-11:50, Room 2**

### “Radiotherapy for oligometastases”

Chairs: Satoshi Ishikura (Tokyo Bay Advanced Imaging & Radiation Oncology Makuhari Clinic)  
Atsuya Takeda (Radiation Oncology Center, Ofuna Central Hospital)

- S1-1 Yukinori Matsuo (Department of Radiation Oncology and Image-Applied Therapy, Kyoto University)
- S1-2 Hideyuki Harada (Shizuoka Cancer Center Radiation and Proton Therapy Center)
- S1-3 Takero Hirata (Department of Radiation Oncology, Osaka University Graduate School of Medicine)

## Symposium 2

**November 10 2022 (Thu) 13:40-15:10, Room2**

### “Modern radioisotope therapy”

Chairs: Katsumasa Nakamura (Department of Radiation Oncology, Hamamatsu University School of Medicine)  
Makoto Hosono (Department of Radiology, Kindai University Faculty of Medicine)

- S2-1 Yusuke Iizuka (Shizuoka city Shizuoka Hospital)
- S2-2 Anri Inaki (Department of Nuclear Medicine, Kanazawa University Hospital)
- S2-3 Makoto Hosono (Department of Radiology, Kindai University Faculty of Medicine)

## Symposium 3 \*English

**November 10, 2022 (Thu) 10:00-12:00, Room 3**

### “Update on treatment strategies for early-stage lung cancer”

Chairs: Hiroshi Onishi (Department of Radiology, University of Yamanashi)  
Jefferey Bradley (Radiation Oncology, Emory University School of Medicine and  
the Winship Cancer Institute, USA)

- S3-1 Update on Radiotherapy for Early-Stage Lung Cancer in the United States  
Jefferey Bradley (Radiation Oncology, Emory University School of Medicine and  
the Winship Cancer Institute, USA)
- S3-2 Current status of stereotactic body radiation therapy (SBRT) for early-stage non-small  
Tomoki Kimura (Department of Radiation Oncology, Kochi Medical School, Kochi University)
- S3-3 Current status of carbon-ion radiotherapy for early-stage lung cancer  
Yoshiyuki Shioyama (Ion Beam Therapy Center, SAGA HIMAT Foundation)
- S3-4 Update on surgical strategies for small-sized peripheral lung cancer  
Hisashi Saji (Chest Surgery, St. Marianna University School of Medicine)

## Symposium 4

**November 10, 2022 (Thu) 13:40-15:50, Room3**

### “Evidence of the particle therapy”

Chairs: Tatsuya Ohno (Department of Radiation Oncology, Gunma University)  
Hidefumi Aoyama (Department of Radiation Oncology, Hokkaido University Faculty of Medicine)

- S4-1 Status of proton beam therapy utilization in Korea **\*English**  
Yong Chan Ahn (Department of Radiation Oncology, Samsung Medical Center,  
Sungkyunkwan University School of Medicine, Korea)
- S4-2 Masashi Mizumoto (Department of Radiation Oncology, University of Tsukuba Hospital)
- S4-3 Hitoshi Ishikawa (National Institutes for Quantum Science and Technology, QST Hospital)
- S4-4 Hiromitsu Iwata (Department of Radiation Oncology, Nagoya City University West Medical Center)
- S4-5 Keiji Nihei (Department of Radiation Oncology, Osaka Medical and Pharmaceutical University)

## Symposium 5

**November 10, 2022 (Thu) 16:10-17:40, Room3**

### “Prostate cancer”

Chairs: Tetsuo Akimoto (Department of Radiation Oncology, National Cancer Center Hospital East)  
Hitoshi Ishikawa (National Institutes for Quantum Science and Technology, QST Hospital)

- S5-1 Katsumasa Nakamura (Department of Radiation Oncology, Hamamatsu University School of Medicine)
- S5-2 Yasuo Yoshioka (Japanese Foundation for Cancer Research)
- S5-3 Nobuyuki Hinata (Department of Urology, Hiroshima University)

## Symposium 6

**November 11, 2022 (Fri) 9:20-11:20, Room1**

### “Artificial intelligence for radiotherapy”

Chairs: Keiichi Jingu (Tohoku University)  
Daisuke Kawahara (Hiroshima University)

- S6-1 Peiyong Ruan (NVIDIA)
- S6-2 Suguru Nishimura (National Healthcare Policy Secretariat, Cabinet Office)
- S6-3 Changhee Han (Callisto Inc.)
- S6-4 Mitsuhiro Nakamura (Division of Medical Physics, Graduate School of Medicine, Kyoto University)

## Symposium 7

**November 11, 2022 (Fri) 9:20-11:20, Room3**

**“Radiation biology of “Hallmarks of cancer””**

Chairs: Masahiko Miura (Department of Dental Radiology and Radiation Oncology, Tokyo Medical and Dental University)

Ikuno Nishibuchi (Department of Radiation Oncology, Hiroshima University)

S7-1 Masahiko Miura (Department of Dental Radiology and Radiation Oncology, Tokyo Medical and Dental University)

S7-2 Satoshi Tashiro (RIRBM, Hiroshima University)

S7-3 Yoshiyuki Suzuki (Department of Radiation Oncology, Fukushima Medical University)

S7-4 Hironobu Yasui (Laboratory of Radiation Biology, Faculty of Veterinary Medicine, Hokkaido University)

S7-5 Yoichi Takakusagi (Institute for Quantum Life Science, QST)

## Symposium 8

**November 11, 2022 (Fri) 13:40-15:10, Room3**

**“Onco-cardiology”**

Chairs: Ryohei Sasaki (Department of Radiation Oncology, Kobe University Hospital)

Keisuke Sasai (Radiation Oncology Center, Misugikai Sato Hospital)

S8-1 Taro Shiga (Cancer Institute Hospital of Japanese Foundation for Cancer Research)

S8-2 Takeshi Kodaira (Aichi Cancer Center Hospital)

S8-3 Etsuo Kunieda (Department of Radiation Oncology, Tokai University)

## Symposium 9

**November 12, 2022 (Sat) 13:40-16:10, Room1**

**“Team radiotherapy”**

Chairs: Kaoru Okajima (Kindai University Nara Hospital)

Naoya Kakimoto (Hiroshima University Hospital)

S9-1 Kento Tsubouchi (Division of Clinical Support, Hiroshima University Hospital)

S9-2 Shinobu Ishii (National Cancer Center Hospital East)

S9-3 Miwa Sasaki (Nagoya University Hospital)

S9-4 Hiromi Nishi (Hiroshima University Hospital, Department of General Dentistry)

S9-5 Sadamoto Zenda (Department of Radiation Oncology, National Cancer Center Hospital East)

## Symposium 10

**November 12, 2022 (Sat) 9:20-11:20, Room2**

### “Up-to-date of palliative radiotherapy”

Chairs: Naoki Nakamura (St. Marianna University School of Medicine)  
Takeo Takahashi (Department of Radiation Oncology, Saitama Medical Center)

- S10-1 Kei Ito (Tokyo Metropolitan Komagome Hospital)
- S10-2 Hideo Morioka (National Hospital Organization Tokyo Medical Center)
- S10-3 Toshimichi Nakano (Department of Radiology and Radiation Oncology,  
Niigata University Graduate School)
- S10-4 Terufumi Kawamoto (Department of Radiation Oncology, Juntendo University)
- S10-5 Tetsuo Saito (Arao Municipal Hospital)

## Panel Discussion

**November 12, 2022 (Sat) 9:20-11:20, Room3**

### “Collaboration of the medical physicist and the technologist”

Chairs: Kumiko Karasawa (Department of Radiation Oncology, Tokyo Women's Medical University)  
Ryu Kawamorita (Tane General Hospital)

- PD-1 Kumiko Karasawa (Department of Radiation Oncology, Tokyo Women's Medical University)
- PD-2 Naoki Tohyama (Tokyo Bay Makuhari Clinic)
- PD-3 Hiroyuki Okamoto (National Cancer Center Hospital)
- PD-4 Shinji Kawamura (Division of Radiological Sciences, Graduate School of Health Sciences,  
Teikyo University)
- PD-5 Satoru Watanabe (South Miyagi Medical Center)
- PD-6 Toshijiro Yamamoto (Department of Radiation Oncology, Osaka Saiseikai Noe Hospital)
- PD-7 Shuichi Ozawa (Hiroshima High-Precision Radiotherapy Cancer Center)
- PD-8 Hiroshi Onishi (Department of Radiology, University of Yamanashi)