

JSMP117 President's Award Gold, Silver and Bronze (Ceremony: Sunday, April 14, 2019 15:00-16:30 at Main Hall)

| Award | ID | Authors | Title | Session category |
|--------------------------|-------|---|--|--|
| President's Award Gold | O-105 | Yumika Hanada, Akihiro Nohtomi, Taishi Ueki, Ryosuke Kurihara | Fundamental study of the neutron ambient dose-equivalent measurement using two CsI self-activation sensors | Radiometry/Spectrometry/Dosimetry/Protection E1 Measurement and dosimetry |
| President's Award Gold | O-111 | Hiroya Shiomi, Yuichi Akino, Iori Sumida, Norihisa Masai, Ryoong-jin Oh, Kazuhiko Ogawa | Development of a raster scan IMRT using robotic radiosurgery system: Part II, optimization of fluence map | Radiation Therapy (photon/electron) E4 Algorithm/Others |
| President's Award Gold | O-118 | Hikaru Nemoto, Noriyuki Kadoya, Tomohiro Kajikawa, Yujiro Nakajima, Takayuki Kanai, Yoshiro Ieko, Ken Takeda, Keiichi Jingu | 4D-CBCT ventilation image-based VMAT plans are comparable to 4D-CT ventilation image-based plans : evaluating 4D-CBCT ventilation images | Radiation Therapy (photon/electron) E5 Treatment planning 1 |
| President's Award Silver | O-025 | Hideaki Tashima, Eiji Yoshida, Yusuke Okumura, Mikio Suga, Naoki Kawachi, Kei Kamada, Katia Parodi, Taiga Yamaya | Whole gamma imaging: demonstration of the β^+ - γ coincidence | Nuclear Medicine E1 Nuclear medicine 1 |
| President's Award Silver | O-096 | Weishan Chang, Yusuke Koba, Takuya Furuta, Shunsuke Yonai, Shintaro Hashimoto, Shinnosuke Matsumoto, Tatsuhiko Sato | Development of a CT-number parameterization method and validation for Monte Carlo simulation of carbon-ion radiotherapy: a preliminary study | Radiation Therapy (heavy particle) E1 Simulation/Others |
| President's Award Silver | O-122 | Shohei Tanaka, Noriyuki Kadoya, Kazuaki Nakane, Tomohiro Kajikawa, Kota Abe, Suguru Dobashi, Ken Takeda, Keiichi Jingu | Homology as novel radiomic features for prediction of the prognosis of lung cancer based on CT-based radiomics | Radiation Therapy (photon/electron) E6 Machine learning |
| President's Award Bronze | O-035 | Shintaro Anbo, Mitsuhiro Nakamura, Nobutaka Mukumoto, Tomohiro Ono, Takashi Mizowaki | Three-dimensional tumor position estimation using image features on orthogonal kV X-ray projections: comparison of two feature extraction algorithms | Radiation Therapy (photon/electron) E1 IGRT |
| President's Award Bronze | O-086 | Ryo Kakino, Mitsuhiro Nakamura, Takamasa Mitsuyoshi, Takashi Shintani, Hideaki Hirashima, Yukinori Matsuo, Takashi Mizowaki | Prognostic prediction based on diagnostic CT image features before SBRT for lung cancer patients: a retrospective single-institutional study | Image Informatics/ Processing/ Analysis E2 Radiomics |
| President's Award Bronze | O-097 | Taisuke Takayanagi, Tomoki Uesaka, Kikuo Umegaki, Hiroki Shirato, Taeko Matsuura | Simulation studies of a proton range-verification method using ionoacoustic wave generated from spherical gold fiducials | Radiation Therapy (heavy particle) E2 Range verification |

JSMP117 Travel Award

| ID | Awardee | Title |
|-------|---------------------------|--|
| O-030 | Rafidah Zainon | Feasibility of 3D printed patient specific thyroid phantom for radiation dosimetry |
| O-043 | John Paul O. Bustillo | Designing a 3D printed radiotherapy phantom using 3D Slicer software |
| O-085 | Siti Aishah Abdul Aziz | Relationship of MoCA assessment with hypometabolic region of ^{18}F -FDG PET/CT in Alzheimer disease patients |
| O-114 | Le Trong Hung | Pediatric craniospinal irradiation with general anesthesia at Hue Central Hospital |
| O-119 | Mohammad Mokhlesur Rahman | A hybrid IMRT technique for treatment of breast cancer: a dosimetric study |

April 13, 2019

Shinichi Minohara, President of JSMP117