International Student Speaker Recognition of 121st Scientific Meeting of Japan Society of Medical Physics

ID	Name	Affiliation	Title
IS-16	Takeda Masakatsu	Komazawa University	Small field dosimetry using a Roos-type ionization chamber
IS-17	Goto Sota	Kanazawa University	Beam quality conversion factor and dose linearity of Optically Stimulated Luminescence Dosimeter (OSLD) for high-energy photon beam
IS-18	Okazaki Keita	University of Minnesota	Enhancing Cherenkov light yield by gold implants
IS-19	Nagata Jura	Nagoya University	Development of a simultaneous imaging system made of a gamma camera and a CCD camera for high-dose-rate brachytherapy
IS-21	Oshika Riki	Fujita Health University	Development and feasibility of a simple portable body surface monitoring device using an infrared camera in radiotherapy
IS-22	Tomihara Jun	Juntendo University	Localization accuracy of off-isocenter targets for brain stereotactic radiotherapy using SyncTraX FX4
IS-23	Shimomura Taisei	Tokushima University	X-ray scattering estimation with spherical harmonics in cone-beam computed tomography
IS-24	Maeda Hideya	Kyushu University	The activation properties of CaI2 crystal on neutron detection by the self-activation method with an iodine-containing scintillator
IS-25	Sakamoto Naoya	Kyushu University	An evaluation of quenching effects and an analysis of a long half-life component for neutron measurement with iodine-added liquid scintillator
IS-26	Okazaki Keita	Kyoto University	Evaluation of the position resolution of a prompt gamma-ray imaging detector with an arrayed LaBr₃(Ce) scintillator and MPPC for BNCT
IS-27	Narita Ryosuke	Kyoto University	Evaluation of internal exposure effect in consideration of internal activation during boron neutron capture therapy
IS-28	Tano Jolan E.	Hiroshima University	Responses of the PVA-GTA-I gel dosimeter to therapeutic carbon ion beams
IS-29	Narumi Katsuki	Gunma University	Evaluation of Radiation Quality Variation for Broad Beam Method of Carbon Ion Radiotherapy
IS-32	Souma Yohei	Toho university	Development of log file based Monte Carlo calculation method for patient-specific QA in carbon-ion radiotherapy
IS-36	Kasamatsu Koki	Hokkaido University	Inclusion of energy layer structure into an evaluation of dose delivery time effect in scanning proton therapy
IS-38	Jampa-ngern Sira	Hokkaido University	Study of EUD estimation using machine learning from small data as pre-screening tool prior to MBA for PBT patient selection
IS-40	Oguma Kouhei	Komazawa University	Prediction of prostate cancer recurrence using machine learning models developed with extrapolation data
IS-42	Fujiwara Daiyu	Tokushima University	Multi-material decomposition based on neural network
IS-44	Ninomiya Kenta	Kyushu University	Radiogenomic Imaging Biopsy for EGFR-Mutated Patients with Non-small Cell Lung Cancer based on Contrast CT Images using Invariant Betti Numbers
IS-45	Pohl Michel	University of Tokyo	Prediction of the position of external markers on the chest and abdomen for latency compensation in radiotherapy
IS-50	Ogata Yuuki	Teikyo University	Elucidation of effects of tube-current modulation on three-dimensional dose distribution from low pitch helical scans
IS-55	Higuchi Takayuki	Tokushima University	Estimation of CT X-ray spectrum from reconstructed images using a deep neural network
IS-61	Zhou Dejun	Kyoto University	Development of AI-based prediction models in real-time tumor tracking radiotherapy
IS-62	Mouri Shiina	Tohoku University	Evaluation of machine learning-based prediction model with combination of conventional and functional dosimetric parameters for radiation pneumonitis in NSCLC patients
IS-63	Umeda Mariko	Tohoku University	Development of prognostic prediction method with the novel radiomic feature based on graph theory
IS-64	Ishizaka Natsuki	Niigata University	Evaluation of complexity of VMAT plans using radiomic features of 3-dimensional dose distributions and its correlation to gamma passing rate
IS-105	Kitano Maki	Nagoya University	Development of an integrated imaging system for simultaneous imaging of prompt X-rays and luminescence at the same position
IS-107	Nojiri Mai	Kyoto University	Experimental verification of dose calculation algorithm for BNCT by a combination of Monte Carlo and superposition methods
IS-108	Matsubayashi Nishiki	Kyoto University	Neutron dose evaluation with real-time detectors at whole body position in BNCT.
IS-109	Sasaki Akinori	Kyoto University	Study of optimal irradiation method for superficial tumors using a hydrogel bolus in cyclotron-based BNCT