Registration		Presentation			Session			
ID	No.	Title	Language	Title	Date	Time	Location	
10001	O-41	Development of 808-nm-peak high-spatial-resolution near-infrared-ray laser computed tomography	Japanese	OS8. Diagnostic Imaging (X-ray)/Magnetic Resonance/Diagnostic Imaging(others) : Diagnostic Technology	April 17 (Sta)	10:00-10:50	Conference center 418
10002	IS-31	Development of high-speed dose calculator for evaluation of robustness of carbon ion radiotherapy	English	IS7. Particle therapy: Carbon Ion	April 16 (Fri)	09:00-09:50	Conference center 501
10003	O-34	Effect of dose calculation algorithms in lung stereotactic body radiation therapy on wavelet-based dosiomic features	English	OS7. Image Informatics/Medical Information/Education : Image Infomatics and Medical Information	April 17 (Sta)	09:00-09:50	Conference center 418
10004	O-6	Preparation of East Japan Heavy Ion Center, Faculty of Medicine, Yamagata University	Japanese	OS2. Radiation Therapy (Particle) : Proton and Heavy Ion	April 15 (Thu)	16:00-17:00	Conference center 418
10005	O-17	Superficial dosimetry by Cherenkov emission in comparison to film dosimetry	Japanese	OS4. Radiation Therapy (Photon/Electron) : QA and Others	April 16 (Fri)	09:00-10:00	Conference center 418
10006	IS-59	In vivo dose calculation in spine SBRT based on CBCT image acquired during VMAT delivery: first clinical case	English	IS13. Radiotherapy: Treatment Planning	April 17 (Sta)	08:00-08:50	Conference center 501
10008	O-3	Evaluation of the angular distribution of produced light in water during high-energy proton irradiation	Japanese	OS1. Radiation Therapy (Particle) : Proton and BNCT	April 15 (Thu)	15:00-15:50	Conference center 418
10009	O-54	Response of a diode detector on the buildup dose measurement in inline magnetic fields	Japanese	OS11. Radiation Measurement/Radiation Protection : Radiation Measurement1	April 18 (Sun)	09:50-10:40	Conference center 418
10010	O-59	Optimization of the laser-induced layer in scintillation crystal bars for PET detectors with DOI	English	OS12. Radiation Measurement/Radiation Protection : Radiation Measurement2	April 18 (Sun)	10:50-11:50	Conference center 418
10011	IS-103	Fully integrated Monte Carlo simulation for evaluating radiation induced DNA damage and subsequent repair using Geant4-DNA	English	IS25. Particle therapy: Miscellaneous	April 18 (Sun)	10:20-11:10	Conference center 501
10012	O-60	Ion recombination and polarity correction factors for different types of ionization chambers in proton pencil beam scanning	Japanese	OS12. Radiation Measurement/Radiation Protection : Radiation Measurement2	April 18 (Sun)	10:50-11:50	Conference center 418
10013	IS-104	Deep learning-based dose image prediction from prompt x-ray image for proton therapy	English	IS25. Particle therapy: Miscellaneous	April 18 (Sun)	10:20-11:10	Conference center 501
10014	IS-64	Evaluation of complexity of VMAT plans using radiomic features of 3-dimensional dose distributions and its correlation to gamma passing rate	English	IS14. Radiotherapy: Miscellaneous	April 17 (Sta)	10:00-10:50	Conference center 501
10015	O-57	Measurement of absorbed dose to water at the phantom surface using a semiconductor detector for diagnostic kilovoltage x-ray beams	Japanese	OS12. Radiation Measurement/Radiation Protection : Radiation Measurement2	April 18 (Sun)	10:50-11:50	Conference center 418
10016	IS-20	Source position measurement by Cherenkov emission imaging from applicators for high-dose-rate brachytherapy	English	IS5. Radiotherapy: Brachytherapy and Others	April 15 (Thu)	17:20-18:10	Conference center 501
10017	O-52	A calibration service based on a Japanese primary standard of absorbed dose to water in a high-energy electron beam	Japanese	OS11. Radiation Measurement/Radiation Protection : Radiation Measurement1	April 18 (Sun)	09:50-10:40	Conference center 418
10018	O-53	Dosimetry with an ionization chamber calibrated by a standard of absorbed dose to water in a high-energy electron beam	English	OS11. Radiation Measurement/Radiation Protection : Radiation Measurement1	April 18 (Sun)	09:50-10:40	Conference center 418
10019	IS-40	Prediction of prostate cancer recurrence using machine learning models developed with extrapolation data	English	IS9. Medical Information and Education	April 16 (Fri)	15:40-16:10	Conference center 501
10020	O-42	Predictive translation of oblique images into frontal and lateral images using Deep Learning for CyberKnife system	Japanese	OS9. Radiation Therapy (Photon/Electron) : AI and Treatment Planning	April 17 (Sta)	15:50-16:50	Conference center 418
10021	O-50	Comprehensive evaluations of an analytical kilovoltage cone-beam CT source model for Monte Carlo dose calculations	English	OS10. Radiation Therapy (Photon/Electron) : Monte Carlo	April 18 (Sun)	09:00-09:40	Conference center 418
10022	IS-107	Experimental verification of dose calculation algorithm for BNCT by a combination of Monte Carlo and superposition methods	English	IS26. Particle therapy: BNCT	April 18 (Sun)	11:20-12:00	Conference center 501
10023	IS-27	Evaluation of internal exposure effect in consideration of internal activation during boron neutron capture therapy	English	IS6. Raditaion Measurement: Particle	April 16 (Fri)	14:00-14:50	Conference center 501
10024	IS-25	An evaluation of quenching effects and an analysis of a long half-life component for neutron measurement with iodine-added liquid scintillator	English	IS6. Raditaion Measurement: Particle	April 16 (Fri)	14:00-14:50	Conference center 501
10025	IS-35	Development of anatomical change monitoring system using two-dimensional X-Ray image for adaptive radiotherapy in head and neck region	English	IS8. Particle therapy: Evaluation	April 16 (Fri)	10:00-10:50	Conference center 501
10026	IS-108	Neutron dose evaluation with real-time detectors at whole body position in BNCT	English	IS26. Particle therapy: BNCT	April 18 (Sun)	11:20-12:00	Conference center 501
10027	IS-109	Study of optimal irradiation method for superficial tumors using a hydrogel bolus in cyclotron-based BNCT	English	IS26. Particle therapy: BNCT	April 18 (Sun)	11:20-12:00	Conference center 501
10028	O-1	Improvements of lateral penumbra widths for various optimized parameters in proton pencil beam scanning with and without a multi-leaf collimator	Japanese	OS1. Radiation Therapy (Particle) : Proton and BNCT	April 15 (Thu)	15:00-15:50	Conference center 418
10029	O-23	Plan quality assessment for inter-observer error of applicator reconstruction in brachytherapy using in-house application	Japanese	OS5. Radiation Therapy (Photon/Electron) : Brachytherapy and Others	April 16 (Fri)	10:00-10:50	Conference center 418
10030	IS-105	Development of an integrated imaging system for simultaneous imaging of prompt X-rays and luminescence at the same position	English	IS25. Particle therapy: Miscellaneous	April 18 (Sun)	10:20-11:10	Conference center 501

Registration ID	No.	Presentation Title	Language	Session Title	Date	Time	Location
10031	IS-19	Development of a simultaneous imaging system made of a gamma camera and a CCD camera for high-dose-rate brachytherapy	English	IS5. Radiotherapy: Brachytherapy and Others	April 15 (Thu)	17:20-18:10	Conference center 501
10032	IS-15	Evaluation of TRS-483 protocol for the dosimetry of small static fields for C-arm and O-ring linear accelerators	English	IS4. Raditaion Measurement: Photon	April 15 (Thu)	16:35-17:15	Conference center 501
10033	O-37	Evaluation of image quality by various image reconstruction methods in head CT using the acute-stage cerebral infarction phantom model	Japanese	OS8. Diagnostic Imaging (X-ray)/Magnetic Resonance/Diagnostic Imaging(others) : Diagnostic Technology	April 17 (Sta)	10:00-10:50	Conference center 418
10034	IS-42	Multi-material decomposition based on neural network	English	IS10. Image Informatics	April 16 (Fri)	16:20-17:00	Conference center 501
10035	O-45	Evaluation of accuracy in CBCT-based adaptive plan for head and neck radiation therapy	Japanese	OS9. Radiation Therapy (Photon/Electron) : AI and Treatment Planning	April 17 (Sta)	15:50-16:50	Conference center 418
10036	IS-23	X-ray scattering estimation with spherical harmonics in cone-beam computed tomography	English	IS5. Radiotherapy: Brachytherapy and Others	April 15 (Thu)	17:20-18:10	Conference center 501
10037	IS-68	Noninvasive probing of oxygen partial pressure using positronium atom and its application in PET	English	IS15. Nuclear Medicine-2	April 17 (Sta)	11:00-11:40	Conference center 501
10038	O-58	A fundamental study of dose-rate dosimeter for X-ray CT scanner using silicon X-ray diode	Japanese	OS12. Radiation Measurement/Radiation Protection : Radiation Measurement2	April 18 (Sun)	10:50-11:50	Conference center 418
10039	O-9	Development of markerless volumetric imaging technique using dual X-ray fluoroscopy	Japanese	OS2. Radiation Therapy (Particle) : Proton and Heavy Ion	April 15 (Thu)	16:00-17:00	Conference center 418
10040	IS-36	Inclusion of energy layer structure into an evaluation of dose delivery time effect in scanning proton therapy	English	IS8. Particle therapy: Evaluation	April 16 (Fri)	10:00-10:50	Conference center 501
10041	O-38	The geometric arrangement of X-ray tubes for the biplane Angio-Tomosynthesis	Japanese	OS8. Diagnostic Imaging (X-ray)/Magnetic Resonance/Diagnostic Imaging(others) : Diagnostic Technology	April 17 (Sta)	10:00-10:50	Conference center 418
10042	O-43	Evaluation of auto-segmentation accuracy by cloud-based AI and atlas-based model for prostate cancer	Japanese	OS9. Radiation Therapy (Photon/Electron) : AI and Treatment Planning	April 17 (Sta)	15:50-16:50	Conference center 418
10043	IS-17	Beam quality conversion factor and dose linearity of Optically Stimulated Luminescence Dosimeter (OSLD) for high-energy photon beam	English	IS4. Raditaion Measurement: Photon	April 15 (Thu)	16:35-17:15	Conference center 501
10044	O-2	Fundamental study on the effects of activated dental metal in proton therapy for head and neck cancer	Japanese	OS1. Radiation Therapy (Particle) : Proton and BNCT	April 15 (Thu)	15:00-15:50	Conference center 418
10045	O-27	A treatment planning study comparison between spine or prone position according to the lung tumor site in CyberKnife	English	OS6. Radiation Therapy (Photon/Electron) : SBRT	April 16 (Fri)	11:00-11:50	Conference center 418
10046	O-36	Effect of contrast on the spatial resolution of Deep Learning Image Reconstruction images in the scan plane and slice direction	Japanese	OS7. Image Informatics/Medical Information/Education : Image Infomatics and Medical Information	April 17 (Sta)	09:00-09:50	Conference center 418
10047	O-33	An initial study on predicting prognosis of patient in CCU from electrocardiogram using convolutional neural network	English	OS7. Image Informatics/Medical Information/Education : Image Infomatics and Medical Information	April 17 (Sta)	09:00-09:50	Conference center 418
10048	O-10	Feasibility study of MRI-guided proton therapy system	Japanese	OS2. Radiation Therapy (Particle) : Proton and Heavy Ion	April 15 (Thu)	16:00-17:00	Conference center 418
10049	IS-55	Estimation of CT X-ray spectrum from reconstructed images using a deep neural network	English	IS12. CT-2	April 16 (Fri)	18:10-19:00	Conference center 501
10050	O-28	Optimal CT image reconstruction method for dose calculation of stereotactic irradiation planning of lung tumors with respiratory movements	Japanese	OS6. Radiation Therapy (Photon/Electron) : SBRT	April 16 (Fri)	11:00-11:50	Conference center 418
10051	IS-37	A method for evaluating the achievement probabilities of prescribed dose criteria under arbitrary respiratory motion in particle therapy	English	IS8. Particle therapy: Evaluation	April 16 (Fri)	10:00-10:50	Conference center 501
10052	IS-29	Evaluation of Radiation Quality Variation for Broad Beam Method of Carbon Ion Radiotherapy	English	IS7. Particle therapy: Carbon Ion	April 16 (Fri)	09:00-09:50	Conference center 501
10053	IS-50	Elucidation of effects of tube-current modulation on three-dimensional dose distribution from low pitch helical scans	English	IS11. CT-1	April 16 (Fri)	17:10-18:00	Conference center 501
10054	IS-63	Development of prognostic prediction method with the novel radiomic feature based on graph theory	English	IS14. Radiotherapy: Miscellaneous	April 17 (Sta)	10:00-10:50	Conference center 501
10055	O-61	Time-Varying Track Imaging of Carbon Ion Beam with Optically Readout Glass Gas Electron Multiplier	Japanese	OS12. Radiation Measurement/Radiation Protection : Radiation Measurement2	April 18 (Sun)	10:50-11:50	Conference center 418
10056	O-21	Development of vascular dynamic phantom	Japanese	OS4. Radiation Therapy (Photon/Electron) : QA and Others	April 16 (Fri)	09:00-10:00	Conference center 418
10057	IS-61	Development of AI-based prediction models in real-time tumor tracking radiotherapy	English	IS14. Radiotherapy: Miscellaneous	April 17 (Sta)	10:00-10:50	Conference center 501
10058	O-62	An experiment for characteristic confirmation of a remote changeable Bonner sphere spectrometer for boron neutron capture therapy	English	OS12. Radiation Measurement/Radiation Protection : Radiation Measurement2	April 18 (Sun)	10:50-11:50	Conference center 418
10059	IS-62	Evaluation of machine learning-based prediction model with combination of conventional and functional dosimetric parameters for radiation pneumonitis in NSCLC patients	English	IS14. Radiotherapy: Miscellaneous	April 17 (Sta)	10:00-10:50	Conference center 501
10060	O-44	Deep learning-based detection and classification of MLC modeling errors in VMAT patient-specific QA	Japanese	OS9. Radiation Therapy (Photon/Electron) : AI and Treatment Planning	April 17 (Sta)	15:50-16:50	Conference center 418

Registration		Presentation			Session			
ID	No.	Title	Language	Title	Date	Time	Location	
10061	O-39	Development of a low-energy photon transportation code with a GPU	English	OS8. Diagnostic Imaging (X-ray)/Magnetic Resonance/Diagnostic Imaging(others) : Diagnostic Technology	April 17 (Sta)	10:00-10:50	Conference center 418
10062	O-15	The effectiveness of prostate-matching using in-room CT in carbon ion radiotherapy for prostate tumor without fiducial markers	Japanese	OS3. Radiation Therapy (Particle) : Heavy Ion	April 15 (Thu)	17:10-18:00	Conference center 418
10063	O-26	IMRT verification by three-dimensional dose distribution measurements using cylindrical plastic scintillator and CCD camera	English	OS5. Radiation Therapy (Photon/Electron) : Brachytherapy and Others	April 16 (Fri)	10:00-10:50	Conference center 418
10064	O-16	Development of the dose optimization algorithm considering the sublethal damage repair due to interruption in carbon ion radiotherapy	Japanese	OS3. Radiation Therapy (Particle) : Heavy Ion	April 15 (Thu)	17:10-18:00	Conference center 418
10065	O-18	Effect of grid size on dose distribution verification with a two-dimensional diode detector for small irradiation field	Japanese	OS4. Radiation Therapy (Photon/Electron) : QA and Others	April 16 (Fri)	09:00-10:00	Conference center 418
10066	O-32	Detecting pulmonary hypertension using chest x-ray image by convolutional neural network	Japanese	OS7. Image Informatics/Medical Information/Education : Image Infomatics and Medical Information	April 17 (Sta)	09:00-09:50	Conference center 418
10067	IS-58	Impact of different computed tomography datasets on VMAT dose calculations for lung tumor in magnetic fields	English	IS13. Radiotherapy: Treatment Planning	April 17 (Sta)	08:00-08:50	Conference center 501
10068	IS-22	Localization accuracy of off-isocenter targets for brain stereotactic radiotherapy using SyncTraX FX4	English	IS5. Radiotherapy: Brachytherapy and Others	April 15 (Thu)	17:20-18:10	Conference center 501
10069	O-24	Dosimetric effects of air pockets around vaginal cylinder in HDR-Brachytherapy with heterogeneity corrected dose calculation	Japanese	OS5. Radiation Therapy (Photon/Electron) : Brachytherapy and Others	April 16 (Fri)	10:00-10:50	Conference center 418
10070	IS-26	Evaluation of the position resolution of a prompt gamma-ray imaging detector with an arrayed LaBr$_3$(Ce) scintillator and MPPC for BNCT	English	IS6. Raditaion Measurement: Particle	April 16 (Fri)	14:00-14:50	Conference center 501
10071	O-4	Dose measurements for biological experiments using synchrotron-based ultra-high dose rate proton beam in Nagoya Proton Therapy Center	Japanese	OS1. Radiation Therapy (Particle) : Proton and BNCT	April 15 (Thu)	15:00-15:50	Conference center 418
10072	O-51	Evaluation of shielding calculation accuracy and optimization simulation of shielding wall using monte carlo-based simulations in tomotherapy	English	OS10. Radiation Therapy (Photon/Electron) : Monte Carlo	April 18 (Sun)	09:00-09:40	Conference center 418
10073	O-55	Dose-distribution measurement in the treatment plan of CyberKnife using two-dimensional poly(vinyl alcohol)-iodide gel dosimeter	Japanese	OS11. Radiation Measurement/Radiation Protection : Radiation Measurement1	April 18 (Sun)	09:50-10:40	Conference center 418
10074	IS-8	Hypoxic-cancer visualization using meglumine-gadopentetate-glucose solution and 7.0-T magnetic resonance imaging	English	IS2. Diagnostic Technology-1	April 15 (Thu)	14:55-15:35	Conference center 501
10075	IS-30	Radial LET Measurements for Therapeutic Carbon Pencil Beam	English	IS7. Particle therapy: Carbon Ion	April 16 (Fri)	09:00-09:50	Conference center 501
10076	IS-24	The activation properties of CaI2 crystal on neutron detection by the self-activation method with an iodine-containing scintillator	English	IS6. Raditaion Measurement: Particle	April 16 (Fri)	14:00-14:50	Conference center 501
10077	IS-67	Can biological washout rate be a biomarker of tumor viability in charged particle therapy? A rat in-beam PET study	English	IS15. Nuclear Medicine-2	April 17 (Sta)	11:00-11:40	Conference center 501
10078	O-8	Clinical evaluation of RBE-weighted dose and dose-averaged LET in patients receiving carbon-ion radiotherapy for head and neck adenoid cystic carcinoma	Japanese	OS2. Radiation Therapy (Particle) : Proton and Heavy Ion	April 15 (Thu)	16:00-17:00	Conference center 418
10079	O-48	Photon source model based on particle transport in a parameterized accelerator structure for Monte Carlo dose calculations of FFF beams	Japanese	OS10. Radiation Therapy (Photon/Electron) : Monte Carlo	April 18 (Sun)	09:00-09:40	Conference center 418
10080	O-20	Off-axis Winston-Lutz test for a single-isocenter stereotactic irradiation in L-shape linac	Japanese	OS4. Radiation Therapy (Photon/Electron) : QA and Others	April 16 (Fri)	09:00-10:00	Conference center 418
10081	O-25	Simple evaluation of the accuracy of irradiation position for single isocenter multiple target stereotactic radiotherapy	English	OS5. Radiation Therapy (Photon/Electron) : Brachytherapy and Others	April 16 (Fri)	10:00-10:50	Conference center 418
10082	IS-10	Evaluation of Neutron ambient dose equivalent in intensity modulated composite particle therapy	English	IS3. Radiation Protection-1	April 15 (Thu)	15:40-16:30	Conference center 501
10083	IS-21	Development and feasibility of a simple portable body surface monitoring device using an infrared camera in radiotherapy	English	IS5. Radiotherapy: Brachytherapy and Others	April 15 (Thu)	17:20-18:10	Conference center 501
10084	O-47	Evaluation of scattered radiation dose of the contralateral breast in breast-conserving therapy	English	OS9. Radiation Therapy (Photon/Electron) : AI and Treatment Planning	April 17 (Sta)	15:50-16:50	Conference center 418
10085	O-12	Log-data based patient specific quality assurance for heavy-ion therapy	Japanese	OS3. Radiation Therapy (Particle) : Heavy Ion	April 15 (Thu)	17:10-18:00	Conference center 418
10086	O-40	Electromagnetic simulation analysis of an RF burn injury case on a tattoo	English	OS8. Diagnostic Imaging (X-ray)/Magnetic Resonance/Diagnostic Imaging(others) : Diagnostic Technology	April 17 (Sta)	10:00-10:50	Conference center 418
10087	O-49	Determination of scaling factors of a newly water-equivalent phantom for electron beam using Monte Carlo simulation	English	OS10. Radiation Therapy (Photon/Electron) : Monte Carlo	April 18 (Sun)	09:00-09:40	Conference center 418
10088	IS-102	Brief measurement of high energy neutrons generated from a carbon ion beam	English	IS25. Particle therapy: Miscellaneous	April 18 (Sun)	10:20-11:10	Conference center 501
10089	IS-43	Denoising and contrast enhancement of MVCT using deep learning-based methods	English	IS10. Image Informatics	April 16 (Fri)	16:20-17:00	Conference center 501
10090	O-13	Approximated simulation of carbon ion radiotherapy for moving target to validate condition and strategy on Osaka-HIMAK	Japanese	OS3. Radiation Therapy (Particle) : Heavy Ion	April 15 (Thu)	17:10-18:00	Conference center 418

Registration		Presentation			Session			
ID	No.	Title	Language	Title	Date	Time	Location
10091	O-14	Overview of carbon ion radiotherapy for prostate cancer using fiducial markers in Osaka HIMAK	Japanese	OS3. Radiation Therapy (Particle) : Heavy Ion	April 15 (Thu)	17:10-18:00	Conference center 418
10092	IS-33	A Monte Carlo study of physical dose perturbation of carbon ion beam in water with Gold Anchor	English	IS7. Particle therapy: Carbon Ion	April 16 (Fri)	09:00-09:50	Conference center 501
10093	IS-32	Development of log file based Monte Carlo calculation method for patient-specific QA in carbon-ion radiotherapy	English	IS7. Particle therapy: Carbon Ion	April 16 (Fri)	09:00-09:50	Conference center 501
10094	O-22	Investigation of optimal physical density derivation when using solid phantom	Japanese	OS4. Radiation Therapy (Photon/Electron) : QA and Others	April 16 (Fri)	09:00-10:00	Conference center 418
10095	O-46	Dosimetric characteristics at the surface with metallic and plastic biliary stents in external beam radiotherapy	Japanese	OS9. Radiation Therapy (Photon/Electron) : AI and Treatment Planning	April 17 (Sta)	15:50-16:50	Conference center 418
10096	O-29	Experimental study of the dose distribution in the phase and amplitude gating lung SBRT with the baseline shift	English	OS6. Radiation Therapy (Photon/Electron) : SBRT	April 16 (Fri)	11:00-11:50	Conference center 418
10097	O-56	Investigating the Effect of Glass on UVC Cameras Using Monte Carlo Simulation	Japanese	OS11. Radiation Measurement/Radiation Protection : Radiation Measurement1	April 18 (Sun)	09:50-10:40	Conference center 418
10098	IS-16	Small field dosimetry using a Roos-type ionization chamber	English	IS4. Raditaion Measurement: Photon	April 15 (Thu)	16:35-17:15	Conference center 501
10099	IS-110	Development of a dose distribution shifter to fit inside the collimator of a BNCT irradiation system to treat superficial tumours	English	IS26. Particle therapy: BNCT	April 18 (Sun)	11:20-12:00	Conference center 501
10100	IS-69	Dual round-edge detector arrangement for breast PET: a proof of concept study	English	IS15. Nuclear Medicine-2	April 17 (Sta)	11:00-11:40	Conference center 501
10101	O-30	Deviations in dose distribution due to tracking errors in the treatment of shrunken lung tumors	Japanese	OS6. Radiation Therapy (Photon/Electron) : SBRT	April 16 (Fri)	11:00-11:50	Conference center 418
10102	O-19	Development of a versatile patient-specific QA phantom that also supports non-coplanar beams	Japanese	OS4. Radiation Therapy (Photon/Electron) : QA and Others	April 16 (Fri)	09:00-10:00	Conference center 418
10103	IS-65	Comprehensive risk management using FMEA in MR image guided on-line adaptive radiation therapy	English	IS14. Radiotherapy: Miscellaneous	April 17 (Sta)	10:00-10:50	Conference center 501
10104	IS-34	Filtering and gridless approach: imaging dose reduction for real-time-image gated particle therapy	English	IS8. Particle therapy: Evaluation	April 16 (Fri)	10:00-10:50	Conference center 501
10105	O-11	Evaluation of distorted lateral beam profiles in MRI-guided proton therapy	Japanese	OS2. Radiation Therapy (Particle) : Proton and Heavy Ion	April 15 (Thu)	16:00-17:00	Conference center 418
10106	IS-66	Experimental verification of the effect of the full-ring geometry in WGI Compton imaging	English	IS15. Nuclear Medicine-2	April 17 (Sta)	11:00-11:40	Conference center 501
10107	IS-18	Enhancing Cherenkov light yield by gold implants	English	IS4. Raditaion Measurement: Photon	April 15 (Thu)	16:35-17:15	Conference center 501
10108	IS-9	Triple-sensitivity high-spatial-resolution X-ray computed tomography using a 0.1-mm-focus tube and its beam-hardening effect	English	IS2. Diagnostic Technology-1	April 15 (Thu)	14:55-15:35	Conference center 501
10109	O-7	Treatment of large tumor for patch-field technique with a beam wobbling method	Japanese	OS2. Radiation Therapy (Particle) : Proton and Heavy Ion	April 15 (Thu)	16:00-17:00	Conference center 418
10110	O-5	Hybrid dose calculation algorithm for BNCT based on a combination of Monte Carlo and superposition methods	Japanese	OS1. Radiation Therapy (Particle) : Proton and BNCT	April 15 (Thu)	15:00-15:50	Conference center 418
10111	O-31	Development of Quantitative Evaluation Method for Respiratory Stability Using Correlation Dimension Analysis	Japanese	OS6. Radiation Therapy (Photon/Electron) : SBRT	April 16 (Fri)	11:00-11:50	Conference center 418

Registration	Presentation				Session				
ID	No.	Title		Language	Title	Date	Time	Location	
20000	IS-56	Quantification of uncertainty associated with image registration of mr-ct for prostate radiotherapy: rationale for MR alone radiotherapy		English	IS13. Radiotherapy: Treatment Planning	April 17 (Sta)	08:00-08:50	Conference center 501	
20001	IS-44	Radiogenomic Imaging Biopsy for EGFR-Mutated Patients with Non-small Cell Lung Cancer based on Contrast CT Images using Invariant Betti Numbers		English	IS10. Image Informatics	April 16 (Fri)	16:20-17:00	Conference center 501	
20002	O-35	Estimation of tumor growth trajectories during TKI targeted therapy based on Gompertz model		English	OS7. Image Informatics/Medical Information/Education : Image Infomatics and Medical Information	April 17 (Sta)	09:00-09:50	Conference center 418	
20003	IS-38	Study of EUD estimation using machine learning from small data as pre-screening tool prior to MBA for PBT patient selection		English	IS8. Particle therapy: Evaluation	April 16 (Fri)	10:00-10:50	Conference center 501	
20004	IS-11	Characterization of radio waste and radiation dose assessment of TRIGA Mark-II research reactor in Bangladesh		English	IS3. Radiation Protection-1	April 15 (Thu)	15:40-16:30	Conference center 501	
20005	IS-7	Different Tissue Suppression Techniques used for Breast Implants in Magnetic Resonance Imaging		English	IS2. Diagnostic Technology-1	April 15 (Thu)	14:55-15:35	Conference center 501	
20006	IS-12	Determination of the elemental concentration of Bangladeshi medicinal plants using the proton-induced X-ray emission technique		English	IS3. Radiation Protection-1	April 15 (Thu)	15:40-16:30	Conference center 501	
20007	IS-41	South Asia Centre for Medical Physics and Cancer Research (SCMPCR): A Centre of Excellence to Fight Against Cancer		English	IS9. Medical Information and Education	April 16 (Fri)	15:40-16:10	Conference center 501	
20008	IS-45	Prediction of the position of external markers on the chest and abdomen for latency compensation in radiotherapy		English	IS10. Image Informatics	April 16 (Fri)	16:20-17:00	Conference center 501	
20009	IS-106	Bragg Peak verification in Proton Beam Therapy with PEM		English	IS25. Particle therapy: Miscellaneous	April 18 (Sun)	10:20-11:10	Conference center 501	
20010	IS-57	Validation of Robust Optimization Approach of VMAT Treatment Planning of Stereotactic Body Radiation Therapy of Lung Cancer		English	IS13. Radiotherapy: Treatment Planning	April 17 (Sta)	08:00-08:50	Conference center 501	
20011	IS-13	Sustainable lead-free shielding material made of eco-composite plastic waste reinforced with nanoparticles tungsten carbide for radiation protection: A review		English	IS3. Radiation Protection-1	April 15 (Thu)	15:40-16:30	Conference center 501	
20012	IS-28	Responses of the PVA-GTA-I gel dosimeter to therapeutic carbon ion beams		English	IS6. Raditaion Measurement: Particle	April 16 (Fri)	14:00-14:50	Conference center 501	
20013	IS-14	An attempt to reduce the background ESR signal in human fingernails for monitoring accidental hand exposures		English	IS3. Radiation Protection-1	April 15 (Thu)	15:40-16:30	Conference center 501	