The 4th ICRPT List of accepted abstract

2005 TF-001 Robbition Resourcement Rob	Reg. No.	Program No.	Session title	Presentation title	Room	Date	Start	End	Style
2005 TP-COJ Reduction resourcement Reduction resourcement Part Post	20035	TPI-001		Development of remote-operating neutron spectrometer for QA in BNCT irradiation field	502	April 10	10:30	11:10	Oral
	20059	TPI-002	Radiation Measurement:	Microscintillator for dosimetry of proton microbeam	502	April 10	10:30	11:10	Oral
2014 171 (013) Rediction Resourcements Recommendation Commendation Co	20060	TPI-003	Radiation Measurement:	·	502	April 10	10:30	11:10	Oral
2000 T91-000 Total professionment Total algorithm for generalizing virtual high-content ranges beard on Kney allowards Sou April 10 11.20 Cold Condition Total T	20144	TPI-004	Radiation Measurement:	Development and demonstration of a radiation-resistant dual-layer hybrid dose	502	April 10	10:30	11:10	Oral
2006 191-005 291-005	20001	TPI-005	Radiation Measurement:	A novel algorithm for generating virtual high-contrast images based on X-ray attenuation	502	April 10	11:20	12:10	Oral
20013 TP-007 Reduction Measurement Imaging Consideration (Consideration	20061	TPI-006	Radiation Measurement:	Organ dose measurement for filament material-based head and neck coronal 3D-printed	502	April 10	11:20	12:10	Oral
2014 TP-008 Radiation Measurement: Integring Measurements	20073	TPI-007	Radiation Measurement:	Novel procedure to derive relationship between surface and internal doses taking into	502	April 10	11:20	12:10	Oral
Price Pric	20114	TPI-008	Radiation Measurement:	Visualization of scattered radiation sources during X-ray CT examinations using a high-	502	April 10	11:20	12:10	Oral
PR-010 TPR-010 Image Informatics: Prediction Mediane teamina approaches for kidney dispressition under SPECT imaging Prediction Image Informatics: Done instrumentation indeed for turns crowth Expections in breast cancer potential during 502 April 10 13:30 14:20 Oral Prediction	20140	TPI-009	Radiation Measurement:		502	April 10	11:20	12:10	Oral
Pi-010 Image Informatics resolutions and blogous all units of the process o	20012	TPI-010	Image Informatics:	Machine learning approaches for kidney diagnostics using SPECT imaging		W	/ithdrawi	า	
2013 TPI-013 Image Informatics:	20083	TPI-011	Image Informatics:		502	April 10	13:30	14:20	Oral
TPI-010 Triangle Informatics: complete intermediate supervision study TPI-011 Image Informatics: complete intermediate supervision of the process of the proces	20135	TPI-012	Image Informatics:	Estimation of age using alveolar bone loss with integrating deep learning for identity	502	April 10	13:30	14:20	Oral
Does TPI-014 Image Informatics: Does learning based automatic body weight estimation from postmoram computed 502 April 10 13:30 14:20 Orel 10:20 TPI-015 Image Informatics: TALLOR-TS explains tailored tumor segmentation systems with facility-specific semil- 502 April 10 14:30 15:40 Orel 50:20 TPI-017 Transpal Informatics: Sogmentation 50:20 April 10 14:30 15:40 Orel 50:20 TPI-017 Transpal Informatics: Sogmentation 50:20 April 10 14:30 15:40 Orel 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Orel 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Orel 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Orel 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Oral 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Oral 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Oral 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Oral 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Oral 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Oral 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Oral 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Oral 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Oral 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Oral 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Oral 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Oral 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Oral 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Oral 50:20 April 10 14:30 15:40 Oral 50:20 Transpal Informatics: 50:20 April 10 14:30 15:40 Oral 50:20 April 10 14:30 Transpal Informatics: 50:20 April 10 5:40 Oral 50:20 April 10 5:40 Oral 50:20 April 10 5:40 Oral	20099	TPI-013	Image Informatics:	ResNet-based exposure index (EI) prediction model using chest radiographs: A single	502	April 10	13:30	14:20	Oral
TPI-015	20048	TPI-014	Image Informatics:	Deep learning based automatic body weight estimation from postmortem computed	502	April 10	13:30	14:20	Oral
Segmentation Supervised loarning Supervised Superv			Image Informatics:	TAILOR-TS system: tailored tumor segmentation system with facility-specific semi-		<u> </u>			
Parl-1017 Segmentation Parl-1017 Simple informations: Image Informations: Simple information: Simple i			•	Automatic segmentation of large gross tumor volumes based on hierarchical vision		<u> </u>			
TPI-018 Segmentation Image Informatics: Segmentation Seg			•	Emcient deep learning segmentation model with small training dataset for three-					
Segmentation Segm			•	planning CT images		<u> </u>			
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Segmentation PTP-021 Image Informatics: Deep learning model for multi-class alveolar bone loss semantic segmentation on pandramic dental radiograph images PTP-022 Radiation Protection: CT Rediation Protection: CC Rediation Rediation Rediation Rediation Exposure CC Rediation Protection: CC Rediation Protection: CC Rediation Protection: CC Rediation R			•	· -					
Segmentation panioranic derital radiolograph images Evaluation of Protection: CT Evaluation of recognition and utilization level for national diagnostic reference levels 502 April 10 15:50 16:20 Oral			•			<u> </u>			
20008 TPI-023 Radiation Protection: CT Evaluation of effective dose on dental cone-beam CT using PC based Monte Carlo Simulation South Protection: CT Simulation South Protection: CT Monte Carlo simulation South Protection: CT Monte Protection: CT Monte Protection: CT Monte Protection: CT South Protection: Cocupational Exposure Cocupational						<u> </u>			
2011 TPI-024 Radiation Protection: C1 simulation - Simula									
2011 TPI-024 Radiation Protection: Cl. Korean national computed tomography dose index registry SUZ April 10 10:30 11:30 Oral				simulation					
The effect of grid focus distance on chest posterior radiography using an automatic exposure control system. The effect of grid focus distance on chest posterior radiography using an automatic exposure control system. The effect of grid focus distance on chest posterior radiography using an automatic exposure control system. The effect of grid focus distance on chest posterior radiography using an automatic exposure control system. The effect of grid focus distance on chest posterior radiography using an automatic exposure of the control process. The effect of grid focus distance on chest posterior radiography using an automatic exposure of the control process. The effect of grid focus distance on chest posterior radiography using an automatic exposure of the control process. The effect of grid focus distance on chest posterior radiography using an automatic exposure of the process. The effect of grid focus distance on chest posterior radiography using an automatic exposure of the process. The effect of grid focus distance on chest posterior radiography using an automatic exposure of the process. The effect of grid focus distance on chest posterior and process. The effect of grid focus distance on chest posterior with the exposure of the process. The effect of grid focus distance on the process. The effect of grid focus distance on the process. The effect of grid focus and process of quality on the same model bone and provide the process. The effect of grid decision analysis of dual-energy X-ray absorption the same model bone and provide the process. The effect of grid focus and proper in density on the same mode				Korean national computed tomography dose index registry					Oral
20068 TPI-027 X-ray and Others Hindfoot alignment view versus long axial radiographic view 419 April 10 10:30 11:30 Oral 20097 TPI-028 X-ray and Others Cross calibration analysis of dual-energy X-ray absorptiometry on the same model bone densitometry system 419 April 10 10:30 11:30 Oral 20077 TPI-029 X-ray and Others Cross calibration analysis of dual-energy X-ray absorptiometry on the same model bone densitometry system 419 April 10 10:30 11:30 Oral 20077 TPI-029 X-ray and Others Comparison of international standards for quality control in digital breast imaging 419 April 10 10:30 11:30 Oral 2018 TPI-030 X-ray and Others Fundamental study on optimal contrast media concentration in CBCT after WEB 419 April 10 10:30 11:30 Oral 2017 TPI-031 Radiation Protection: Occupational Exposure 2018 TPI-032 Occupational Exposure 2019 TPI-033 Coccupational Exposure 2019 Radiation Protection: Occupational Exposure 2013 TPI-033 Radiation Protection: Occupational Exposure 2013 TPI-033 Radiation Protection: Occupational Exposure 2013 Real-time imaging of scattered radiation sources during X-ray fluoroscopy using a 2014 April 11 8:00 8:40 Oral 2015 TPI-035 Radiomics 2015 Real-time imaging of scattered radiation sources during X-ray fluoroscopy using a 2014 April 11 8:00 8:40 Oral 2015 TPI-035 Radiomics 2015 Real-time imaging of scattered radiation from each source at the operator's 2014 April 11 8:00 8:40 Oral 2015 TPI-036 Radiomics 2015 April 11 8:50 10:00 Oral 2015 TPI-037 Radiomics 2015 April 11 8:50 10:00 Oral 2016 TPI-038 Radiomics 2016 Radiomics 2016 Real-time imaging of scattered radiation from each source at the operator's 2015 April 11 8:50 10:00 Oral 2016 TPI-038 Radiomics 2016 Radiomics 2016 Real-time imaging of scattered radiation from each source at the operator's 2015 April 11 8:50 10:00 Oral 2016 TPI-038 Radiomics 2016 Radiomics 2016 Real-time imaging of scattered radiation from each source at the operator's 2015 April 11 8:50 10:00 Oral 2016 TPI-038 Radiomics 2016 Radiomics 2016 Real-time imaging of scattered radi			,	, , , , , , , , , , , , , , , , , , , ,		<u> </u>	10:30	11:30	Oral
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2017 TPI-031 Radiation Protection: Occupational Exposure Distribution measurement of spatial dose by position of medical staff in intervention S02 April 11 8:00 8:40 Oral	20077	TPI-029	X-ray and Others	systems: a focus on Korea, Japan, and the United States	419	April 10	10:30	11:30	Oral
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	20097	TPI-039	Radiomics		502	April 11	8:50	10:00	Oral

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20138	TPI-040	Radiomics	Evaluation of conventional and PCA-based feature selection method of multi-omics prediction model for radiation pneumonitis in NSCLC Stage III patient	502	April 11	8:50	10:00	Oral
20069	TPI-041	Radiomics	Interpretation of survival predictors by CT-based radiogenomics for serous ovarian cancer	502	April 11	8:50	10:00	Oral
20002	TPI-042	Nuclear Medicine: Performance Evaluation	Facilitating CT dose reduction for patients undergoing serial SPECT/CT imaging during ¹⁷⁷ Lu DOTATATE therapy	502	April 11	10:10	11:00	Oral
20021	TPI-043	Nuclear Medicine: Performance Evaluation	Evaluation of PET image change according to CT attenuation map of various pitch conditions	502	April 11	10:10	11:00	Oral
20109	TPI-044	Nuclear Medicine: Performance Evaluation	Impact of ⁸⁹ Zr decay properties on image quality and quantitative accuracy in PET	502	April 11	10:10	11:00	Oral
20079	TPI-045	Nuclear Medicine: Performance Evaluation	Comparative evaluation of image indicators by PET/CT equipment	502	April 11	10:10	11:00	Oral
20143	TPI-046	Nuclear Medicine: Performance Evaluation	Performance evaluation of Mirai-PET: a high-resolution and large FOV small animal PET with TOF-DOI detection	502	April 11	10:10	11:00	Oral
20116	TPI-047	Particle Therapy	Measurement method using acrylic phantom for quality assurance of BNCT procedure	502	April 11	15:30	16:20	Oral
20089	TPI-048	Particle Therapy	Feasibility study of spot scanning by MeV electron beam convergence control using electromagnets	502	April 11	15:30	16:20	Oral
20022	TPI-049	Particle Therapy	Conceptual design of a static gantry system	502	April 11	15:30	16:20	Oral
20066	TPI-050	Particle Therapy	Focal dose-averaged linear energy transfer boost for prostate carbon-ion radiotherapy: a planning study	502	April 11	15:30	16:20	Oral
20106	TPI-051	Particle Therapy	Dosimetry penerits or adaptive radiotnerapy in carbon ion radiotnerapy for locally advanced non-small cell lung cancer: a comparative analysis of tumor coverage and	502	April 11	15:30	16:20	Oral
20026	TPI-052	Particle Therapy: Biophysics	The appropriateness of the linear-quadratic model in predicting hypofractionated radiotherapy dose response for photon and proton irradiation	502	April 11	16:30	17:10	Oral
20047	TPI-053	Particle Therapy:	Relative biological effectiveness (RBE) study at different depths of proton spread-out Bragg peak		W	/ithdrawi	า	
20103	TPI-054	Biophysics Particle Therapy:	Exploration of the role and mechanism of proton beams in radiotherapy-resistant cells	502	April 11	16:30	17:10	Oral
20104	TPI-055	Biophysics Particle Therapy:	Normal tissue complication probability model for acute oral mucositis in patients with head and neck cancer undergoing carbon ion radiation therapy: based on dosimetry,	502	April 11	16:30	17:10	Oral
20055	TPI-056	Biophysics Novel Technology	radiomics and dociomics Blockchain enhanced particle radiotherapy: a cross-platform secure data sharing platform	502	April 11	17:20	18:00	Oral
20070	TPI-057	Novel Technology	for particle radiotherapy scenario Patient setup guide using AR technology for radiation therapy	502	April 11	17:20	18:00	Oral
20098	TPI-058	Novel Technology	Micro-CT assessment of <i>Nostoc commune</i> extract's biological effects on	502	April 11	17:20	18:00	Oral
20125	TPI-059	Novel Technology	osteoporosis models Impact of long-term step trajectories on weight loss	502	April 11	17:20	18:00	Oral
20003	TPI-060	Clinical Technique	Discussion on the value of image fusion based on artificial intelligence	419	April 11	8:00	8:50	Oral
20031	TPI-061	Clinical Technique	A review on alternatives for sedation in children's MRI: systematic approach	419	April 11	8:00	8:50	Oral
20062	TPI-062	Clinical Technique	Characteristics of patients with allergy-like reactions to iodinated contrast media	419	April 11	8:00	8:50	Oral
20075	TPI-063	Clinical Technique	undergoing computed tomography at a super-tertiary care hospital Innovative use of shared decision-making and patient decision aids to enhance treatment	419	April 11	8:00	8:50	Oral
20094	TPI-064	Clinical Technique	selection for chronic low back pain Evaluation of adverse reactions and trends in contrast agent use in CT imaging: a single-	419	April 11	8:00	8:50	Oral
20108	TPI-065	MR: Analysis and	center data development study Fast brain perfusion quantification using second-order motion-compensated diffusion	502	April 12	8:00	9:10	Oral
20018	TPI-066	Technique MR: Analysis and	imaging with phase-contrast Magnetic resonance imaging on metal artifacts a comparative study of 2D, 3D images	502	April 12	8:00	9:10	Oral
		Technique MR: Analysis and	Assessment of vascular endothelial injury in rat models of unilateral carotid artery injury					
20006	TPI-067	Technique MR: Analysis and	using 4D-flow MRI Short-term changes in volumes, T ₂ , and diffusion parameters of tumor	502	April 12	8:00	9:10	Oral
20124	TPI-068	Technique MR: Analysis and	and peritumoral edema after embolization in supratentorial meningioma Development of diagnostic support software for intracerebral hemorrhage detection and	502	April 12	8:00	9:10	Oral
20033	TPI-069	Technique	elapsed time estimation using multi-sequence magnetic resonance images	502	April 12	8:00	9:10	Oral
20080	TPI-070	MR: Analysis and Technique	Compare MRI cardiac scanning in China and Japan	502	April 12	8:00	9:10	Oral
20067	TPI-071	MR: Analysis and Technique	Preventing abnormal safety events in MRI examinations using the HFMEA method	502	April 12	8:00	9:10	Oral
20013	TPI-072	Radiation Protection: X-ray	Evaluating organ-specific radiation doses in neonatal incubator X-ray procedures using Monte Carlo simulation	502	April 12	9:20	10:20	Oral
20016	TPI-073	Radiation Protection: X-ray	A study of the minimization of exposure conditions during AP and lateral imaging of the lumbar spine in a digital radiography system	502	April 12	9:20	10:20	Oral
20058	TPI-074	Radiation Protection: X-ray	Effectectiveness of radiation dose optimization on patient radiation dose obtained from traumatic carotid-cavernous fistula endovascular treatment.	502	April 12	9:20	10:20	Oral
20074	TPI-075	Radiation Protection: X-ray	Assessment of radiation dose and factors influencing it in mammography: a single-center study	502	April 12	9:20	10:20	Oral
20095	TPI-076	Radiation Protection: X-ray	Evaluating the suitability of exposure index as a patient dose monitoring tool in portable abdominal radiography	502	April 12	9:20	10:20	Oral
20115	TPI-077	Radiation Protection: X-ray	Comparison of doses for custom-made phantoms and acrylic phantoms with varying thicknesses in breast stereotactic biopsy	502	April 12	9:20	10:20	Oral
20020	TPI-078	Photon Therapy: Irradiation Technology	A study on the dose distribution of photoneutrons according to the patient's treatment direction in radiation therapy	502	April 12	13:10	14:00	Oral
	ı — —	Photon Therapy:	Comparative evaluation of organ dose and image quality in kilovoltage CBCT imaging	502	April 12	13:10	14:00	Oral

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20041	TPI-080	Photon Therapy: Irradiation Technology	Target position estimation based on diaphragm motion using respiratory-phase-adjusted variable offset vectors for markerless tumor tracking radiotherapy	502	April 12	13:10	14:00	Oral
20133	TPI-081	Photon Therapy: Irradiation Technology	Respiratory reproducibility evaluation of a surface motion phantom for SGRT	502	April 12	13:10	14:00	Oral
20092	TPI-082	Photon Therapy: Irradiation Technology	Evaluation of optimal rigid body registration algorithms for portable body surface monitoring devices	502	April 12	13:10	14:00	Oral
20105	TPI-083	Photon Therapy: Biophysics	Radiotherapy resistance of Hsa_circ_0000337 and its encoded proteins in esophageal squamous carcinoma cells	502	April 12	14:10	14:40	Oral
20036	TPI-084	Photon Therapy: Biophysics	The radiotherapeutic technology proposal aimed at its optimization for hepatocellular carcinoma using biomarkers	502	April 12	14:10	14:40	Oral
20139	TPI-085	Photon Therapy: Biophysics	Tumor-specific circRNA-derived antigen peptide identification for esophageal squamous cell carcinoma		V	/ithdrawi	า	
20087	TPI-086	Brachytherapy and Others	Calibration of high-dose rate brachytherapy source (iridium-192) using well-type ionization chamber and high-dose-rate remote afterloading brachytherapy machine	502	April 12	14:50	15:20	Oral
20088	TPI-087	Brachytherapy and Others	Verification and calculation of shielding for 50 kVp high-dose rate (HDR) electronic brachytherapy commissioned at Gonoshasthaya cancer hospital and research centre	502	April 12	14:50	15:20	Oral
20126	TPI-088	Brachytherapy and Others	Development of an AI chatbot for radiotherapy using retrieval-augmented generation	502	April 12	14:50	15:20	Oral
20024	TPI-089	Image Informatics: Generative AI	Conditional diffusion model-based image transformation of MR sequences in MR-guided radiotherapy	502	April 12	15:30	16:30	Oral
20028	TPI-090	Image Informatics: Generative AI	In-house automatic evaluation of artificial intelligence image reconstruction algorithms in CT	502	April 12	15:30	16:30	Oral
20091	TPI-091	Image Informatics: Generative AI	Development of deep learning-based diaphragm suppression technique through in-silico approach	502	April 12	15:30	16:30	Oral
20117	TPI-092	Image Informatics: Generative AI	Image quality enhancement of small FOV cone-beam CT by using a generative model	502	April 12	15:30	16:30	Oral
20030	TPI-093	Image Informatics:	Generation of lung nodule images from image findings using latent diffusion model	502	April 12	15:30	16:30	Oral
20065	TPI-094	Generative AI Image Informatics:	Multi-task scheme for image findings generation and classification in chest CT: a	502	April 12	15:30	16:30	Oral
20023	TPI-095	Generative AI Image Informatics:	comparative study of image captioning models Initial investigation of triple negative detection in breast MR images using a multi-slice	502	April 12		17:20	Oral
20029	TPI-096	Detection Image Informatics:	multi-phase vision transformer Preliminary study on an automated detection scheme for pediatric forearm fractures in X-	502	April 12		17:20	Oral
20119	TPI-097	Detection Image Informatics:	ray images using Open CLIP Evaluation of deep learning-based segmentation models for cerebral hemorrhage	502	April 12		17:20	Oral
20128	TPI-098	Detection Image Informatics:	detection in postmortem computed tomography Classification of postmortem computed tomography images for cerebral hemorrhage	502	April 12		17:20	Oral
	TPI-098	Detection CT: Applysis and Others	detection using deep learning Radiation dose reduction accelerated with deep learning reconstruction for temporal bone	502		8:00		
20045		CT: Analysis and Others	regions in ultra-high-resolution CT imaging CT channel by using 3D modeling phantom evaluation of the usefulness of the wide		April 13		9:00	Oral
20014	TPI-100	CT: Analysis and Others	detector companson or commercially available statistical iterative of reconstruction algorithms	502	April 13	8:00	9:00	Oral
20085	TPI-101	CT: Analysis and Others	from different vendors for performance evaluation of low-contrast detectability in nodistric brain protected. Application of virtual monochromatic images in quantitative computed tomography to	502	April 13	8:00	9:00	Oral
20093	TPI-102	CT: Analysis and Others	reduce the measurement error of bone mineral density: a phantom study	502	April 13	8:00	9:00	Oral
20044	TPI-103	CT: Analysis and Others	Prediction of CT tube service life based on tube filament Exploring radiographers' divergent approaches to infection prevention and control in CT: a	502	April 13	8:00	9:00	Oral
20063	TPI-104	CT: Analysis and Others CT: Technique and Clinical	think-aloud study	502	April 13	8:00	9:00	Oral
20005	TPI-105	Application	Feasibility of protocol optimization for CT coronary angiography using a commercial pulsating cardiac phantom	502	April 13	9:10	10:00	Oral
20027	TPI-106	CT: Technique and Clinical Application	Effective atomic number score in calcified plaque evaluation: approach using photon- counting CT	502	April 13	9:10	10:00	Oral
20034	TPI-107	CT: Technique and Clinical Application	The correlation between the Hounsfield unit and bone mineral density to predict osteoporosis in patients	502	April 13	9:10	10:00	Oral
20145	TPI-108	CT: Technique and Clinical Application	Differentiation of tumor budding grade of colon cancer using noise-optimized virtual monoenergetic image in dual-energy computed tomography		٧	/ithdrawi	า	
20146	TPI-109	CT: Technique and Clinical Application	Differentiation of malignant grade of non-mucinous pulmonary adenocarcinomas in subsolid nodules using enhanced dual-energy computed tomography		٧	/ithdrawi	า	
20049	TPI-110	Radiotherapy and Nuclear Radiation Protection:	The absorption dose and secondary tumor risk induced by different imaging methods in image-guided radiotherapy	502	April 13	10:10	10:40	Oral
20076	TPI-111	Radiotherapy and Nuclear	Study of calculating shielding wall thickness in Cyclotron room	502	April 13	10:10	10:40	Oral
20122	TPI-112	Radiotherapy and Nuclear	Comparative dosimetry study of PARaDIM with ICRP Publication 128: calculation of organ and effective doses from 18F-FDG radiopharmaceutical	502	April 13	10:10	10:40	Oral
20046	TPI-113	Nuclear Medicine: Simulation and Others	Cherenkov light imaging for lutetium oxodotreotide	502	April 13	10:50	11:50	Oral
20120	TPI-114	Nuclear Medicine: Simulation and Others	Synergistic reconstruction method for PET and Compton imaging of whole gamma imaging	502	April 13	10:50	11:50	Oral
20121	TPI-115	Nuclear Medicine: Simulation and Others	A one-ring prototype of hemispherical brain PET with novel TOF-DOI detectors	502	April 13	10:50	11:50	Oral
20084	TPI-116	Nuclear Medicine: Simulation and Others	Impact of threshold value for maximum standardized uptake value on pretreatment FDG- PET-based prediction models for recurrence in patients with lung cancer prior to SBRT	502	April 13	10:50	11:50	Oral
20042	TPI-117	Nuclear Medicine: Simulation and Others	Considering stable and unstable breathing PET counts during the steady state method	502	April 13	10:50	11:50	Oral
20100	TPI-118	Nuclear Medicine: Simulation and Others	Utility of total-body PET in monitoring carbon ion therapy: demonstration in rat	502	April 13	10:50	11:50	Oral
20039	TPI-119	Photon Therapy: Dose Evaluation	Determination of phantom materials for a CT/MRI-corresponding anthropomorphic multimodal male pelvic phantom for end-to-end test in MR-guided online ART	502	April 13	13:10	13:50	Oral
20107	TPI-120	Photon Therapy: Dose	Evaluation of biological equivalent dose-based treatment planning in head and neck	502	April 13	13:10	13:50	Oral
20107	TPI-120	Photon Therapy: Dose Evaluation	Evaluation of biological equivalent dose-based treatment planning in head and neck region	502	April 13	13:10	13:50	

20057	TPI-121	Photon Therapy: Dose Evaluation	Robustness evaluation of using aperture shape controller in postmastectomy radiotherapy (PMRT) using VMAT	502	April 13	13:10	13:50	Oral
20141	TPI-122	Photon Therapy: Dose Evaluation	Evaluation of the 3D convolutional neural network approach for automated VMAT plan creation in head and neck cancer patients	502	April 13	13:10	13:50	Oral
20037	TPI-123	Proton Therapy	Stopping-power ratio evaluation for proton therapy planning based on dual-energy CT	502	April 13	14:00	15:00	Oral
20038	TPI-124	Proton Therapy	Safety check and dose evaluation of a commercial dual-energy CT stopping-power ratio software for proton planning in the treatment planning system	502	April 13	14:00	15:00	Oral
20071	TPI-125	Proton Therapy	Assessment of point dose and proton range in Monte Carlo vs. pencil beam algorithms for proton therapy treatment planning system	502	April 13	14:00	15:00	Oral
20032	TPI-126	Proton Therapy	The effect of minimum monitor units (MMU) on the quality and delivery efficiency of proton therapy	502	April 13	14:00	15:00	Oral
20112	TPI-127	Proton Therapy	Optimization of light-ion quantum molecular dynamics model for nuclear fragmentation in proton therapy	502	April 13	14:00	15:00	Oral
20127	TPI-128	Proton Therapy	Accuracy of patient-specific deep learning for markerless tumor tracking; some comprehensive tests using lung phantoms and radiochromic films	502	April 13	14:00	15:00	Oral