

# The 5th ICRPT

## List of accepted abstract

Reg. No.	Program No.	Session Title	Presentation Title	Date	Room	Start	End	Style
20029	TPI-001	Radiation Measurement: Imaging	Quantitative X-ray imaging related to effective atomic number with correction of energy distortion for clinical use of photon counting detectors	Thu. 16th Apr.	502	14:00	15:00	Oral
20071	TPI-002	Radiation Measurement: Imaging	Evaluation of the utility of the ALARA-M program for radiation dose calculation in mammography	Thu. 16th Apr.	502	14:00	15:00	Oral
20083	TPI-003	Radiation Measurement: Imaging	Evaluation of ocular dose in diagnostic cervical spine radiography: a quantitative approach	Thu. 16th Apr.	502	14:00	15:00	Oral
20101	TPI-004	Radiation Measurement: Imaging	Active-type OSL dosimeter for real-time dose measurement with counting-loss correction in the diagnostic X-ray region	Thu. 16th Apr.	502	14:00	15:00	Oral
20136	TPI-005	Radiation Measurement: Imaging	Feasibility of an IEC-based exposure index framework with X-ray sensor-integrated flat panel detector	Thu. 16th Apr.	502	14:00	15:00	Oral
20149	TPI-006	Radiation Measurement: Imaging	Dosimetric characterization of a benchtop kilovoltage X-ray irradiator for low-dose <i>in vitro</i> cell irradiation	Thu. 16th Apr.	502	14:00	15:00	Oral
20017	TPI-007	Radiation Measurement: CT and Environmental Monitoring	Study of lens dose in CT with and without a patient table using adult male and female mesh-type reference computational phantoms	Thu. 16th Apr.	502	15:10	16:10	Oral
20038	TPI-008	Radiation Measurement: CT and Environmental Monitoring	Visualization of internal dose distribution by precise experimental approach with consideration of X-ray incident direction during helical CT examination	Thu. 16th Apr.	502	15:10	16:10	Oral
20117	TPI-009	Radiation Measurement: CT and Environmental Monitoring	Estimation of organ doses in abdominal-pelvic CT: comparison of Monte Carlo-based simulation tools with physical measurements	Thu. 16th Apr.	502	15:10	16:10	Oral
20010	TPI-010	Radiation Measurement: CT and Environmental Monitoring	Development of a real-time radon monitoring and sharing application through public participation.	Thu. 16th Apr.	502	15:10	16:10	Oral
20011	TPI-011	Radiation Measurement: CT and Environmental Monitoring	Development of a device for monitoring and measuring radiation leakage inside and outside a nuclear medicine department	Thu. 16th Apr.	502	15:10	16:10	Oral
20052	TPI-012	Radiation Measurement: CT and Environmental Monitoring	Patient and staff radiation exposure during embolization and thrombectomy procedures in a neurointerventional radiology unit	Thu. 16th Apr.	502	15:10	16:10	Oral
20122	TPI-013	Particle Therapy: Biophysics	Early effects of ultra-high dose rate (FLASH) carbon-ion irradiation on whole-brain tissue injury	Thu. 16th Apr.	502	16:20	16:50	Oral
20105	TPI-014	Particle Therapy: Biophysics	Development and validation of an algorithm for predicting the antitumor effects of heavy ion beam therapy	Thu. 16th Apr.	502	16:20	16:50	Oral
20058	TPI-015	Particle Therapy: Biophysics	Prediction of tumor hypoxia status from the kinetics of irradiation induced positron emitters: carbon-ion irradiation to tumor rat models	Thu. 16th Apr.	502	16:20	16:50	Oral
20012	TPI-016	Radiation Protection: X-ray	Evaluation of the usefulness of attachable folding lead curtains for radiation safety in the NICU environments	Thu. 16th Apr.	416+417	14:00	15:00	Oral
20013	TPI-017	Radiation Protection: X-ray	Optimizing radiation protection in clinical practice with thickness requirements for lead-free barium sulfate boards in diagnostic radiology	Thu. 16th Apr.	416+417	14:00	15:00	Oral
20023	TPI-018	Radiation Protection: X-ray	Evaluation of bismuth shielding for dose reduction in radiation-sensitive regions and ambient dose in pediatric radiography	Thu. 16th Apr.	416+417	14:00	15:00	Oral
20091	TPI-019	Radiation Protection: X-ray	Variability of exposure index (EI) under repeated radiographic examinations of the same patient in clinical situation	Thu. 16th Apr.	416+417	14:00	15:00	Oral

20113	TPI-020	Radiation Protection: X-ray	Cumulative effective dose over 100 mSv in a single day from computed tomography scans at King Chulalongkorn Memorial Hospital	Thu. 16th Apr.	416+417	14:00	15:00	Oral
20115	TPI-021	Radiation Protection: X-ray	Local diagnostic reference level based on clinical indications for adults computed tomography at King Chulalongkorn Memorial Hospital	Thu. 16th Apr.	416+417	14:00	15:00	Oral
20043	TPI-022	Radiation Protection: Radiotherapy and Nuclear Medicine	MI DoC-Fil: A model-based internal dose calculator for Filipinos	Thu. 16th Apr.	416+417	15:10	15:40	Oral
20032	TPI-023	Radiation Protection: Radiotherapy and Nuclear Medicine	Comparative dosimetry study of PARaDIM and RTphits with ICRP publication 128: Calculation of organ doses from 18F-FDG radiopharmaceutical	Thu. 16th Apr.	416+417	15:10	15:40	Oral
20133	TPI-024	Radiation Protection: Radiotherapy and Nuclear Medicine	Assessment of S-values for internal dosimetry in thyroid scans using various radionuclides based on modified ICRP 145 phantoms	Thu. 16th Apr.	416+417	15:10	15:40	Oral
20041	TPI-025	Nuclear Medicine	Development of an ultrahigh-resolution PET with 3-layer DOI detectors for mouse brain imaging	Thu. 16th Apr.	416+417	15:50	16:40	Oral
20143	TPI-026	Nuclear Medicine	Development of a 7-ring Brain PET Prototype Using TOF-DOI Detectors	Thu. 16th Apr.	416+417	15:50	16:40	Oral
20132	TPI-027	Nuclear Medicine	Dual-isotope whole gamma imaging: $^{89}\text{Zr}$ -anti-CD38-antibody and $^{18}\text{F}$ -NaF imaging of multiple myeloma mouse	Thu. 16th Apr.	416+417	15:50	16:40	Oral
20142	TPI-028	Nuclear Medicine	Investigation of weight, inverse square of height, and body mass index as predictors of positron emission tomography image signal-to-noise ratio in whole-body fluorodeoxyglucose positron emission tomography/computed tomography	Thu. 16th Apr.	416+417	15:50	16:40	Oral
20069	TPI-029	Nuclear Medicine	Development of a Web-based Simulation Program for Analyzing the Distribution of Radiopharmaceuticals within the Body	Thu. 16th Apr.	416+417	15:50	16:40	Oral
20060	TPI-030	MR:Technique and Clinical Application	Evaluation of an MRI-compatible perfusion phantom simulating cortical venous reflux in dural arteriovenous fistula	Fri. 17th Apr.	502	8:00	8:40	Oral
20003	TPI-031	MR:Technique and Clinical Application	Inter-modality comparison of rat carotid blood flow using 4D-flow MRI and doppler ultrasound	Fri. 17th Apr.	502	8:00	8:40	Oral
20093	TPI-032	MR:Technique and Clinical Application	Assessment of cerebral oxygen extraction and cerebral metabolic rate of oxygen: Are oxygen extraction estimates based on dynamic susceptibility contrast MRI data reasonable from an age dependence perspective?	Fri. 17th Apr.	502	8:00	8:40	Oral
20001	TPI-033	MR:Technique and Clinical Application	Investigation into the usefulness of confirming the access route prior to mechanical thrombectomy by using aortic magnetic resonance angiography	Fri. 17th Apr.	502	8:00	8:40	Oral
20049	TPI-034	Withdrawn						
20047	TPI-035	MR:Analysis and Others	Quantitative assessment of pulmonary function in COPD with phase-resolved functional lung MRI	Fri. 17th Apr.	502	8:50	9:20	Oral
20034	TPI-036	MR:Analysis and Others	Quantitative assessment of liver fibrosis: B1 inhomogeneity-corrected variable flip angle T1 mapping on gadobenate dimeglumine-enhanced MRI	Fri. 17th Apr.	502	8:50	9:20	Oral
20075	TPI-037	MR:Analysis and Others	Feasibility of accelerated 3D isotropic high resolution T2 weighted bladder magnetic resonance imaging using the deep learning-constrained compressed sensitivity encoding technique (SENSE)	Fri. 17th Apr.	502	8:50	9:20	Oral
20090	TPI-038	Particle Therapy: Dose Evaluation and Verification	Inter-fraction gamma-index analysis of in-beam OpenPET images for carbon-ion therapy	Fri. 17th Apr.	502	9:40	10:20	Oral
20106	TPI-039	Particle Therapy: Dose Evaluation and Verification	Impact of metal artifact reduction on dose distribution calculation in carbon ion radiotherapy	Fri. 17th Apr.	502	9:40	10:20	Oral
20100	TPI-040	Particle Therapy: Dose Evaluation and Verification	Evaluation of the Monte Carlo - removal diffusion method for independent dose verification in BNCT treatment planning	Fri. 17th Apr.	502	9:40	10:20	Oral

20104	TPI-041	Particle Therapy: Dose Evaluation and Verification	Improvement of a soft error detector using advanced FPGAs	Fri. 17th Apr.	502	9:40	10:20	Oral
20102	TPI-042	Clinical Technique and Novel Technology	Clinical audit in diagnostic radiology at King Chulalongkorn Memorial Hospital	Fri. 17th Apr.	502	13:20	14:20	Oral
20008	TPI-043	Clinical Technique and Novel Technology	Predictive modeling of downtime and interlock events in linear accelerators to enhance operational efficiency	Fri. 17th Apr.	502	13:20	14:20	Oral
20094	TPI-044	Clinical Technique and Novel Technology	The role of physiotherapy in managing post-mastectomy complications among breast cancer patients after radiotherapy: Findings from a pilot study	Fri. 17th Apr.	502	13:20	14:20	Oral
20062	TPI-045	Withdrawn						
20030	TPI-046	Clinical Technique and Novel Technology	Deep image prior-based super-resolution and point spread function correction for quantitative improvement in neuro-oncological PET imaging	Fri. 17th Apr.	502	13:20	14:20	Oral
20000	TPI-047	Clinical Technique and Novel Technology	Factor and scenario analysis based on Bayesian network modeling of radiation-related clinical errors	Fri. 17th Apr.	502	13:20	14:20	Oral
20119	TPI-048	Clinical Technique and Novel Technology	Targeted-beam magnetic therapy by combining cellular selectivity by magnetic nanoparticle delivery and tumor-killing by beam-focused magnetic energy	Fri. 17th Apr.	502	13:20	14:20	Oral
20053	TPI-049	Radiomics	A data-driven Radiomics approach for modeling and visualizing disease evolution in Glioma	Fri. 17th Apr.	502	14:40	15:50	Oral
20055	TPI-050	Radiomics	Temporal change of fractal properties at pre- and post-treatment CT images in patients with stage IV non-small cell lung cancer	Fri. 17th Apr.	502	14:40	15:50	Oral
20076	TPI-051	Radiomics	Radiomic feature-based stratification of stroke patients using CT imaging: A multi-institutional study	Fri. 17th Apr.	502	14:40	15:50	Oral
20080	TPI-052	Radiomics	Assessment of fractal dimension for prostate cancer grade groups in apparent diffusion coefficient maps using multiple-threshold box counting algorithm	Fri. 17th Apr.	502	14:40	15:50	Oral
20087	TPI-053	Radiomics	Prediction of prostate motion using radiomics features from simulation computed tomography images	Fri. 17th Apr.	502	14:40	15:50	Oral
20099	TPI-054	Radiomics	Temporal patterns in apparent diffusion coefficient map features for prognostic prediction of patients with breast cancer undergoing neoadjuvant chemotherapy	Fri. 17th Apr.	502	14:40	15:50	Oral
20130	TPI-055	Radiomics	Adaptive fuzzy masks: boosting radiomic reliability in head and neck tumors amid delineation uncertainty	Fri. 17th Apr.	502	14:40	15:50	Oral
20009	TPI-056	Image Informatics: Generative AI- <sub>1</sub>	SwinUNETR-based synthesis of contrast-enhanced T1-weighted MRI from multiparametric MRI in post-treatment diffuse glioma	Fri. 17th Apr.	416+417	9:00	10:10	Oral
20025	TPI-057	Image Informatics: Generative AI- <sub>1</sub>	CBCT-to-MR image transformation using a denoising diffusion probabilistic model for brain tumor radiotherapy	Fri. 17th Apr.	416+417	9:00	10:10	Oral
20046	TPI-058	Image Informatics: Generative AI- <sub>1</sub>	Single conditional diffusion model for cross-plane enhancement of 2D cine MR images toward T2-weighted quality in MR-guided adaptive radiotherapy	Fri. 17th Apr.	416+417	9:00	10:10	Oral
20074	TPI-059	Image Informatics: Generative AI- <sub>1</sub>	4D pulmonary evaluation using dynamic chest radiography and X2CT-GAN: an in-silico study	Fri. 17th Apr.	416+417	9:00	10:10	Oral
20116	TPI-060	Image Informatics: Generative AI- <sub>1</sub>	Explainable diagnostic support for lung CT: Image-finding generation and classification using open-source GPT and Vision Transformer	Fri. 17th Apr.	416+417	9:00	10:10	Oral
20078	TPI-061	Image Informatics: Generative AI- <sub>1</sub>	Development and validation of a CT-to-MR image translation model using Energy-Guided Stochastic Differential Equations	Fri. 17th Apr.	416+417	9:00	10:10	Oral
20126	TPI-062	Image Informatics: Generative AI- <sub>1</sub>	Application of a deep learning algorithm in low-dose CT scan for pulmonary nodules	Fri. 17th Apr.	416+417	9:00	10:10	Oral

20056	TPI-063	Image Informatics: Detection	Deep learning-based support system for alignment classification and correction guidance in postoperative total knee arthroplasty lateral radiographs	Fri. 17th Apr.	416+417	10:20	11:10	Oral
20063	TPI-064	Image Informatics: Detection	Automatic detection of pediatric forearm fractures from multi-view X-ray images using OpenCLIP	Fri. 17th Apr.	416+417	10:20	11:10	Oral
20127	TPI-065	Image Informatics: Detection	Automated geometric morphological quantification of wrist bones on radiographs for rheumatoid arthritis evaluation	Fri. 17th Apr.	416+417	10:20	11:10	Oral
20135	TPI-066	Image Informatics: Detection	Optimizing intracranial hemorrhage detection on postmortem computed tomography: Deep U-Net segmentation with a refined labeling approach to reduce postmortem artifacts	Fri. 17th Apr.	416+417	10:20	11:10	Oral
20059	TPI-067	Image Informatics: Detection	Deep learning-based detection of obstructive lung disease in dynamic chest radiography	Fri. 17th Apr.	416+417	10:20	11:10	Oral
20044	TPI-068	Radiation Measurement: Radiotherapy	Monte Carlo-based multiple dose-voxel kernel framework for personalized voxel dosimetry in $^{177}\text{Lu}$ peptide receptor radionuclide therapy	Fri. 17th Apr.	416+417	13:00	13:40	Oral
20108	TPI-069	Radiation Measurement: Radiotherapy	Development of a novel Compton camera technology for beam monitoring during proton therapy toward the clinical application	Fri. 17th Apr.	416+417	13:00	13:40	Oral
20134	TPI-070	Radiation Measurement: Radiotherapy	Fundamental characterization of a metal-free, water-equivalent reference-class ionization chamber for radiotherapy	Fri. 17th Apr.	416+417	13:00	13:40	Oral
20125	TPI-071	Radiation Measurement: Radiotherapy	A sign of tolerance photon dose in Cardiac Implantable Electronic Devices (CIEDs)	Fri. 17th Apr.	416+417	13:00	13:40	Oral
20018	TPI-072	Photon Therapy: QA/QC	Development of an electronic portal imaging device-based virtual audit framework in radiotherapy	Fri. 17th Apr.	416+417	13:50	14:20	Oral
20082	TPI-073	Photon Therapy: QA/QC	Determination of optimal camera position for a portable surface monitoring system on an O-ring gantry linear accelerator.	Fri. 17th Apr.	416+417	13:50	14:20	Oral
20089	TPI-074	Photon Therapy: QA/QC	Sensitivity of EPID-based PSQA tool for error detection in single-isocenter SRS for multiple targets	Fri. 17th Apr.	416+417	13:50	14:20	Oral
20004	TPI-075	Photon Therapy: AI	The feasibility of using DenseNet for improving low-field MRI acquired at 0.3-0.35 T	Fri. 17th Apr.	416+417	14:30	15:30	Oral
20006	TPI-076	Photon Therapy: AI	A bias field correction workflow based on generative adversarial network for abdominal cancers treated with 0.35T MR-LINAC	Fri. 17th Apr.	416+417	14:30	15:30	Oral
20007	TPI-077	Photon Therapy: AI	Comparing single- and multiple-input generative adversarial networks for improving cone beam CT in radiotherapy	Fri. 17th Apr.	416+417	14:30	15:30	Oral
20112	TPI-078	Photon Therapy: AI	Evaluation of the reproducibility and accuracy of AI-based automatic contour detection in head and neck region	Fri. 17th Apr.	416+417	14:30	15:30	Oral
20123	TPI-079	Photon Therapy: AI	Development of deep learning-based multi-modality segmentation of primary gross tumor volume for head and neck cancer	Fri. 17th Apr.	416+417	14:30	15:30	Oral
20140	TPI-080	Photon Therapy: AI	Deep learning-based automatic segmentation of organs at risk on MRI for cervical cancer brachytherapy	Fri. 17th Apr.	416+417	14:30	15:30	Oral
20137	TPI-081	Photon Therapy: Dose Evaluation and Technologies	Monte Carlo analysis of annihilation photon production in high-energy photon radiotherapy	Fri. 17th Apr.	416+417	15:40	16:40	Oral
20124	TPI-082	Photon Therapy: Dose Evaluation and Technologies	Comparison of low-MU dose profiles between standing wave and traveling wave linear accelerators using a CMOS Image Sensor	Fri. 17th Apr.	416+417	15:40	16:40	Oral
20065	TPI-083	Photon Therapy: Dose Evaluation and Technologies	Comparison of dosimetric impact with setup errors in central dose increased irradiation for brain metastases using VMAT and HyperArc	Fri. 17th Apr.	416+417	15:40	16:40	Oral
20050	TPI-084	Photon Therapy: Dose Evaluation and Technologies	In silico randomized controlled trials using prediction models for tumor growth trajectories for patients with stage I non-small cell lung cancer for optimizing stereotactic body radiotherapy parameters	Fri. 17th Apr.	416+417	15:40	16:40	Oral

20096	TPI-085	Photon Therapy: Dose Evaluation and Technologies	A systematic review of electronic brachytherapy for intraoperative breast radiotherapy: Developments and challenges	Fri. 17th Apr.	416+417	15:40	16:40	Oral
20146	TPI-086	Photon Therapy: Dose Evaluation and Technologies	Application and future direction of 3D printing and 3D bioprinting in X-ray and synchrotron radiation therapy medical physics	Fri. 17th Apr.	416+417	15:40	16:40	Oral
20048	TPI-087	CT:Technique and Application	Preoperative visceral adipose accumulation and skeletal muscle density reduction predict adverse outcomes in kidney transplantation: A prospective cohort study	Sat. 18th Apr.	502	8:00	8:40	Oral
20121	TPI-088	CT:Technique and Application	Reference values of skeletal muscle parameters measured on CT predicts overall survival in patients after kidney transplantation	Sat. 18th Apr.	502	8:00	8:40	Oral
20045	TPI-089	CT:Technique and Application	Usefulness of non-respiratory-gated 4D-CT for irregular breathing patterns in estimation of internal target volume	Sat. 18th Apr.	502	8:00	8:40	Oral
20077	TPI-090	CT:Technique and Application	Advantages and technical considerations of CT-derived lung volume quantification in canines	Sat. 18th Apr.	502	8:00	8:40	Oral
20016	TPI-091	CT:Analysis and Others	A simple algorithm for generating physical density image using clinical photon-counting computed tomography	Sat. 18th Apr.	502	8:50	9:30	Oral
20085	TPI-092	CT:Analysis and Others	Quantitative analysis of pulmonary lesions using effective atomic number and physical density images generated by photon-counting CT	Sat. 18th Apr.	502	8:50	9:30	Oral
20051	TPI-093	CT:Analysis and Others	Differentiation of gouty tophi from artifacts using advanced spectral parameters derived from dual-layer detector CT: A comparative study with conventional CT values	Sat. 18th Apr.	502	8:50	9:30	Oral
20114	TPI-094	CT:Analysis and Others	Image quality assessment using iterative and deep learning image reconstructions for four abdominal CT scanners at King Chulalongkorn Memorial Hospital: A phantom study	Sat. 18th Apr.	502	8:50	9:30	Oral
20107	TPI-095	Image Informatics: Generative AI- <sub>2</sub>	Evaluating image quality reproducibility using deep learning for exposure reduction in sparse-projection and low-dose CT images.	Sat. 18th Apr.	502	9:40	10:50	Oral
20120	TPI-096	Image Informatics: Generative AI- <sub>2</sub>	Ensemble learning of diffusion models for sparse-view CT reconstruction	Sat. 18th Apr.	502	9:40	10:50	Oral
20110	TPI-097	Image Informatics: Generative AI- <sub>2</sub>	Boosting diffusion models for ultra-sparse-view CT reconstruction	Sat. 18th Apr.	502	9:40	10:50	Oral
20027	TPI-098	Image Informatics: Generative AI- <sub>2</sub>	Image quality improvement of dual-source cone-beam computed tomography using a conditional latent diffusion model	Sat. 18th Apr.	502	9:40	10:50	Oral
20024	TPI-099	Image Informatics: Generative AI- <sub>2</sub>	Impact of deformable registration on CBCT image quality improvement using diffusion-based generative models	Sat. 18th Apr.	502	9:40	10:50	Oral
20073	TPI-100	Image Informatics: Generative AI- <sub>2</sub>	Fundamental study on DeepPET image reconstruction using GATE simulations modeling a LYSO scintillator array.	Sat. 18th Apr.	502	9:40	10:50	Oral
20070	TPI-101	Image Informatics: Generative AI- <sub>2</sub>	Image quality enhancement of low-dose PET/CT using a Pix2Pix-based deep learning model	Sat. 18th Apr.	502	9:40	10:50	Oral
20054	TPI-102	Photon Therapy: RTPS	Validation and implementation of magnetic resonance for calculating attenuation (MRCAT) in clinical brain applications	Sat. 18th Apr.	416+417	10:00	10:50	Oral
20092	TPI-103	Photon Therapy: RTPS	Assessment of AAA photon beam dose calculation performance affected by metallic implants in a thorax phantom study	Sat. 18th Apr.	416+417	10:00	10:50	Oral
20042	TPI-104	Photon Therapy: RTPS	Scripting and knowledge-based automated planning for whole-brain radiotherapy with hippocampal sparing	Sat. 18th Apr.	416+417	10:00	10:50	Oral
20028	TPI-105	Photon Therapy: RTPS	Weight-optimized point cloud registration of CTV and OARs for accurate pancreatic radiotherapy alignment	Sat. 18th Apr.	416+417	10:00	10:50	Oral
20128	TPI-106	Proton Therapy: Dose Evaluation and Verification	Assessment of initial proton beam parameters using GEANT4 simulation	Sat. 18th Apr.	416+417	11:00	11:40	Oral

20057	TPI-107	Proton Therapy: Dose Evaluation and Verification	Proton stopping power ratio estimation using simulated multi-modal image data with convolutional neural network	Sat. 18th Apr.	416+417	11:00	11:40	Oral
20129	TPI-108	Proton Therapy: Dose Evaluation and Verification	Noise reduction in protoacoustic range measurement using a linear array sensor: An initial study	Sat. 18th Apr.	416+417	11:00	11:40	Oral
20131	TPI-109	Proton Therapy: Dose Evaluation and Verification	CBCT-based dose tracking for head and neck proton therapy: evaluating cumulative dose deviation	Sat. 18th Apr.	416+417	11:00	11:40	Oral
20064	TPI-110	Image Informatics: Segmentation	Radiomics as non-linear local filters in deep learning: strengths and limitations	Sat. 18th Apr.	416+417	13:10	14:00	Oral
20081	TPI-111	Image Informatics: Segmentation	Zonal segmentation of prostate on multi-parametric magnetic resonance images using nnU-Net-based models	Sat. 18th Apr.	416+417	13:10	14:00	Oral
20138	TPI-112	Image Informatics: Segmentation	Preliminary study of deep learning-based automatic cardiothoracic ratio measurement in forensic pathology and sciences	Sat. 18th Apr.	416+417	13:10	14:00	Oral
20141	TPI-113	Image Informatics: Segmentation	Development and validation of a clinically auditable, stepwise deep learning system that mimics radiologists for lumbar QCT HU/BMD measurement	Sat. 18th Apr.	416+417	13:10	14:00	Oral
20084	TPI-114	Image Informatics: Segmentation	Carotid plaque segmentation in ultrasound images: Comparison of MambaUNet and various segmentation models	Sat. 18th Apr.	416+417	13:10	14:00	Oral
20026	TPI-115	Image Informatics: Prediction	Evaluation of deformable image registration accuracy of VoxelMorph	Sat. 18th Apr.	416+417	14:10	15:10	Oral
20079	TPI-116	Image Informatics: Prediction	Tumor growth trajectory models for times to progression in lung cancer patients treated with tyrosine kinase inhibitor therapy	Sat. 18th Apr.	416+417	14:10	15:10	Oral
20005	TPI-117	Image Informatics: Prediction	Evaluating the impact of deep learning-based image denoising on low-dose CT for lung cancer screening	Sat. 18th Apr.	416+417	14:10	15:10	Oral
20139	TPI-118	Image Informatics: Prediction	Preliminary study for a deep learning-based sex estimation model using morphologic information of the maxillary sinus in Koreans	Sat. 18th Apr.	416+417	14:10	15:10	Oral
20033	TPI-119	Image Informatics: Prediction	Prediction of preoperative MVI status in HCC patients based on a multiphase MR deep learning model	Sat. 18th Apr.	416+417	14:10	15:10	Oral
20035	TPI-120	Image Informatics: Prediction	2.5D deep learning radiomics based on Gd-EOB-DTPA MRI for predicting recurrence-free survival after curative resection of hepatocellular carcinoma	Sat. 18th Apr.	416+417	14:10	15:10	Oral
20014	TPI-121	X-ray and Others	Study on the Usefulness of Modified Posterior-Anterior Chest X-ray Imaging According to Thoracic Kyphosis Cobb's Angle	Sat. 18th Apr.	416+417	15:20	16:10	Oral
20019	TPI-122	X-ray and Others	Estimation of optimal image angle for pulmonary blood flow analysis in oblique dynamic chest radiography	Sat. 18th Apr.	416+417	15:20	16:10	Oral
20109	TPI-123	X-ray and Others	A noise reduction in quantitative effective atomic number images obtained from energy resolving photon counting detectors	Sat. 18th Apr.	416+417	15:20	16:10	Oral
20015	TPI-124	X-ray and Others	Foundational Study on the Safety of Mammography in Breast Augmentation Patients: Toward Imaging Guidelines and Implant Damage Risk Assessment	Sat. 18th Apr.	416+417	15:20	16:10	Oral
20098	TPI-125	X-ray and Others	Prevalence of Breast Cancer Detection and Abnormal Characteristics in an Asymptomatic Screening Mammography, a tertiary hospital experience.	Sat. 18th Apr.	416+417	15:20	16:10	Oral