Oral Presentation Slots

Programme (11 Oct 2024, Friday)

07:00 – 08:30	Registration		
15:15 – 16:15	Proffered Papers 1.1 **Radiotherapy 1: Monte Carlo, Brachytherapy**	Proffered Papers 1.2 **Diagnostic Radiology 1: Machine Learning & AI**	Proffered Papers 1.3 **Nuclear Medicine 1: Imaging**
16:15 – 16:30	Tea Refreshment & Poster Session		
16:30 – 17:30	Proffered Papers 1.4 **Radiotherapy 2: Treatment Outcomes**	Proffered Papers 1.5 **Diagnostic Radiology 2: Radiography Techniques**	Proffered Papers 1.6 **Nuclear Medicine 2: Monte Carlo, AI, QA**
18:00 – 19:30	AFOMP EXCOM Meeting		

Programme (12 Oct 2024, Saturday)

07:00 – 08:00	Registration			
14:30 – 16:00	Proffered Papers 2.1 **Radiotherapy 3: Image Guidance and Motion Management I**	Proffered Papers 2.2 **Diagnostic Radiology 3: CT Imaging, Dose, Techniques I**	Proffered Papers 2.3 **Nuclear Medicine 3: Therapy**	Session on IMPCB Accreditation and Certification Programmes
16:00 – 16:20	Tea Refreshment & Poster Session			
16:20 – 17:50	Proffered Papers 2.4 **Radiotherapy 4: Image Guidance and Motion Management II**	Proffered Papers 2.5 **Diagnostic Radiology 4: CT Imaging, Dose, Techniques II**	Proffered Papers 2.6 **Others 1: Biology, Education & Training**	
19:30 – 22:30	Gala Dinner			

Programme (13 Oct 2024, Sunday)

07:00 – 08:00	Registration		
08:00 – 10:00	Proffered Papers 3.1 **Radiotherapy 5: Treatment Planning (TP)**	Proffered Papers 3.2 **Radiotherapy 7: Particle**	Proffered Papers 3.3 **Radiotherapy 8: Treatment Verification, Audit**
10:00 – 10:30	Tea Refreshment & Poster Session		
11:00 – 12:30	Proffered Papers 3.4 **Radiotherapy 6: TP & AI**	Proffered Papers 3.5 **Diagnostic Radiology 5: MRI**	Proffered Papers 3.6 **Radiotherapy 9: QA & Dosimetry**
12:30 – 14:00	Lunch & Exhibition		
15:30 – 16:30	Awards Presentation & Closing Ceremony		

Oral Presentation Slots

11 Oct 2024, Friday (Parallel 1)

15:15 – 16:15	Proffered Papers 1.1 **Radiotherapy 1: Monte Carlo, Brachytherapy** Chairs: KJ Maria Das & Ahmad Taufek Abdul Rahman		
Time	*ID*	*Title*	*Presenter*
15:15	17	Monte Carlo Simulation of a 6 MV Elekta Precise Linac Photon Beam	Luan Mai Khanh
15:25	142	Measured, calculated and Monte Carlo simulated doses in a gold applicator loaded with I-125 seeds for retinoblastoma treatment	Christoph Trauernicht
15:35	191	Monte Carlo modeling and validation of the Elekta Versa HD medical linear accelerator for depth-dose measurements	Gunalan Ramachandran
15:45	47	Monte Carlo Simulation of Imaging Dosimetry for the Varian TrueBeam kV System: An Open-Source Tool for Optimizing Radiation Exposure	Kang Hao Lee
15:55	214	Indigenous Phantom design for Enhanced Brachytherapy Quality Assurance in TG-43 dose calculation formalism	Venkatraman Pitchaikannu
16:05	151	Fabrication of a cost-effective 3D-printed Phantom for the Quality Assurance of Brachytherapy Treatment in Cervical Cancer	Christine Loja
16:30 – 17:30	Proffered Papers 1.4 **Radiotherapy 2: Treatment Outcomes** Chairs: KJ Maria Das & Mohd Zahri Abdul Aziz		
Time	*ID*	*Title*	*Presenter*
16:30	131	Prediction Model for Radiation Pneumonitis in Early-Stage Patients with Non-Small Cell Lung Cancer Treated with Stereotactic Ablative Radiotherapy Using Topological Features from Planning CT Images	Junya Eda
16:40	71	Multimodal Therapy with Surgery Combined with Radiotherapy and Chemotherapy in Brain Glioblastoma	Nguyen Minh Hanh
16:50	147	Topology-based Radiomics and Dosiomics Model for Predicting Treatment Failure in Pharyngeal Squamous Cell Carcinoma	Hidemi Kamezawa
17:00	226	Revised Dutch national guideline of the effects of radiation therapy on cardiac implantable electronic devices (CIEDs) and non-CIEDs	Phil W. Koken
17:10	27	Development and cross-institutional validation of a comprehensive machine learning model predicting response to neoadjuvant therapy for rectal cancer	Sha Li
17:20	40	Timing or criteria to trigger adaptive radiotherapy (ART) for nasopharyngeal carcinoma (NPC): A systematic review	Jia Ding Wong

11 Oct 2024, Friday (Parallel 2)

15:15 – 16:15	Proffered Papers 1.2 **Diagnostic Radiology 1: Machine Learning & AI** Chairs: Eugene Lief & Nur Farhayu Omar		
Time	*ID*	*Title*	*Presenter*
15:15	75	Leveraging Radiomics to Predict Survival Outcomes in Sarcopenic Patients with Gastrointestinal (GI) and Genitourinary (GU) Cancers	Nishta Letchumanan
15:25	194	A Review of CT Radiomics Features Extraction of Hepatocellular Carcinoma (HCC) by Machine Learning Techniques	Bappah S. Yahaya
15:35	385	Building Machine Learning Models for Automatic Tube Current Modulation (ATCM) in Computed Tomography	Urshella Hishaam
15:45	171	Deep Learning-based Implanted Metal Detection in Multi-vendor Computed Tomography Scout Images for Personal Identification	Yeji Kim
15:55	155	External Validation of Breast Cancer Risk Prediction Deep Learning Model in Canadian Context	Rasika Rajapakshe
16:05	248	Identification of biomarkers for predicting efficacy of cognitive impairment in schizophrenia based on biomedical informatics and machine learning	Xiangyu Chen
16:30 – 17:20	Proffered Papers 1.5 **Diagnostic Radiology 2: Radiography Techniques** Chairs: Eugene Lief & Nur Farhayu Omar		
Time	*ID*	*Title*	*Presenter*
16:30	33	Importance of supplementary quality control assessment of conventional radio-diagnostic machine	Raj Kishor Bisht
16:40	168	Image Quality QC Assessment for Digital Radiography: A Phantom Study	Nur Ammi Hamzah
16:50	223	Exploring Hidden Dangers: Brain and Eye Exposure in Neurointerventional Radiology	Mohamed Badawy
17:00	41	Analysing Average Glandular Dose: A Comprehensive Study Comparing Digital Breast Tomosynthesis with Full-Field Digital Mammography at a Leading Cancer Centre inOman	Subhash Kheruka
17:10	18	Influences of radiation-protective devices on eye lens radiation doses for staff involved in fluoroscopy-guided interventional procedures: Interpretation of clinical observations through Monte Carlo simulations	Samuel Meng-En Lian

11 Oct 2024, Friday (Parallel 3)

15:15 – 16:15	Proffered Papers 1.3 **Nuclear Medicine 1: Imaging** Chairs: Krisanat Chuamsaamarkkee & Haniff Shazwan		
Time	*ID*	*Title*	*Presenter*
15:15	69	Lessons from Putting Up a Clinical PET/CT Center in the Philippines During the COVID-19 Pandemic	Jae Inamarga
15:25	184	Investigating the Impact of Pre-processing on Radiomic Feature Robustness for 18F-FDG PET Pre- and Post-treatment Assessment for Locally Advanced Non-small Cell Lung Carcinoma	Freddy Haryanto
15:35	235	Phantom-Based Comparative Study of SUV Quantification Methods in PET/CT: Implications for Clinical Practice	Muhammad Hafiz Hanafi
15:45	291	Preliminary Study on Machine Learning-Based Classification of Normal and Parkinson's Brain PET Images: Slice-Level Analysis for Localization of a Disease-Specific Pattern	Hendra Himawan
15:55	322	The detection instrumentation and geometric design of clinical PET scanner: towards better performance and broader clinical applications	Abdallah El Ouaridi
16:05	216	Radiolabeling and in vitro characteristics of Vital, an alternative test meal for gastric emptying scintigraphy	Nashrulhaq Tagiling
16:30 – 17:10	Proffered Papers 1.6 **Nuclear Medicine 2: Monte Carlo, AI, QA** Chairs: Krisanat Chuamsaamarkkee & Haniff Shazwan		
Time	*ID*	*Title*	*Presenter*
16:30	293	Estimating Time-Integrated Activity Using Single-Time-Point Measurement and Linear Regression Machine Learning Model in Peptide-Receptor Radionuclide Therapy	Fulki Fiarka
16:40	64	Validation of Particle and Heavy Ion Transport Code System (PHITS) in generating voxel S values for internal dosimetry calculations	Shalaine Tatu
16:50	269	Dosimetric Investigation on Radioiodine Applications in Thyroid Imaging using Geant4 Monte Carlo Simulation	Samuel Ode
17:00	70	Quality Assurance of PET/CT and SPECT/CT in the Philippines: From Acceptance Testing to Clinical Operations	Jae Inamarga

12 Oct 2024, Saturday (Parallel 1)

14:30 – 16:00	Proffered Papers 2.1 **Radiotherapy 3: Image Guidance and Motion Management I** Chairs: Avinav Bharati & Noramaliza Mohd Noor		
Time	*ID*	*Title*	*Presenter*
14:30	16	Usage of Synchrony Fiducial Tracking during Stereotactic Body Radiation Therapy (SBRT) for Prostate Cancer treatment with the Radixact system: A Single Centre Experience.	Jasper Hew Choon Soong
14:40	24	Bladder Filling in Patients Undergoing Prostate Radiotherapy	Meher Nigar Sharmin
14:50	36	DyHIBlock: A Plug-and-Play Dynamic Hyperparameter Integration Block for Registration Networks	Peilin Wang
15:00	67	Lung tumor growth trajectories utilizing mathematical models in stereotactic body radiation therapy	Kazuki Mitsushima
15:10	207	Residual Setup Errors and Intra-Fraction Motion of Spine Stereotactic Body Radiation Therapy Using X-Ray Image Guidance Verification System	Kenji Matsumoto
15:20	227	Developing a Computer Vision-Based Method for Measuring Gating Latency in TrueBeam Systems.	Muhamad Azka Danish Bin Abdul Mutalib
15:30	250	Development of Low Dose Imaging Protocol for Pediatric Patients in Halcyon	Rajalakshmi K A
15:40	290	Simulation of motions of 6D HexaPOD radiotherapy couch using Python Programming : A tool for faster patient setup with reduced imaging dose	Teerthraj Verma
15:50	356	Imaging dose of Varian Halcyon by radiophotoluminescent glass dosimeter	Kantida Jittrakool
16:20 – 17:30	Proffered Papers 2.4 **Radiotherapy 4: Image Guidance and Motion Management II** Chairs: John Paul O. Bustillo & Hoang Anh Tung		
Time	*ID*	*Title*	*Presenter*
16:20	104	Support Vector Machine model for prediction of breath hold capacity using physiological factors for DIBH suitability for breast cancer radiotherapy patients	Shriram Rajurkar
16:30	45	Deep learning based tumor tracking at Elekta Unity MR-Linac	Yiling Wang
16:40	107	A Novel Real-time Automated Motion Tracking and Segmentation Method for MRI-guided Radiotherapy	Jiayun Chen

16:50	126	Development of a Customized Bladder Distension Model for MR-Linac Treatment of Pelvic Tumors	Shirui Qin
17:00	63	Free-Breathing VMAT versus Deep Inspiration Breath-Hold 3D-CRT Techniques for Left-Breast Cancer: A Feasible Approach in Developing Countries	Jobairul Islam
17:10	282	Patient Selection for Deep Inspiration Breath-Hold (DIBH) and Free Breathing (FB) in Left Breast Cancer Patients: A single-institution Retrospective Dosimetric Analysis	Sadia Afrin Sarah
17:20	97	Effects of Extended SSD and Respiratory Motion on Irradiation Accuracy in 6 MeV Electron Beam Therapy for Keloids	Takaaki Ito

12 Oct 2024, Saturday (Parallel 2)

14:30 – 16:00	Proffered Papers 2.2 **Diagnostic Radiology 3: CT Imaging, Dose, Techniques I** Chairs: Napapong Pongnapang & Nurmazaina Md Ariffin		
Time	*ID*	*Title*	*Presenter*
14:30	105	Evaluation of Radiation Dose Level On Radiologist Head during Computed Tomography (CT) - Guided Interventional Radiology Procedure	Mohd Zulhusni Ramli
14:40	292	Fabrication and Evaluation of a Cost-Effective Computed Tomography Dose Index Nylon Phantom	Nikkitita Magdaong
14:50	43	Radiation Dose Reduction in Low Dose Brain CT Imaging with Different Iterative Reconstruction Techniques	Hamza Arjah
15:00	284	Development of a CT Dose Calculation Program Reflecting Angular and Longitudinal Tube Current Modulations	Kosuke Matsubara
15:10	145	An evaluation of human phantom applicability of 3D-printed filaments by dose measurement of Monte Carlo simulations and radiophotoluminescence glass dosimeters	Donghee Han
15:20	200	Estimation of liver and spleen dose in CT abdomen examination based on size-specific dose estimate (SSDE)	Ailsa Frederica
15:30	186	Evaluation of task-based transfer function on filtered CT images with the bilateral filter: A computational phantom study	Ariij Naufal
15:40	193	Automatic detection of low-contrast detectability on ACR 464 CT phantom	Rahmat Riyadi
15:50	195	Comparison of Modulation Transfer Function (MTF) Measured Using IndoQCT and ImQuest on Computational Phantom Images	Nur Fathia Khairunnisa

16:20 – 17:40	Proffered Papers 2.5 **Diagnostic Radiology 4: CT Imaging, Dose, Techniques II** Chairs: Ahmad Nazlim Bin Yusoff & Norhanna Sohaimi		
Time	*ID*	*Title*	*Presenter*
16:20	196	Measurement of the z-axis modulation-transfer function (MTF) of the CT image using a point-method	Tasya Nofitri Andra
16:30	252	Evaluation Of Metal Artifact Reduction Using Virtual Monochromatic Image Of Dual Energy Computed Tomography	Stevania Fadhilah Adhillaksa
16:40	335	Beam-hardening X-ray computed tomography scanner using a general-purpose flat panel detector	Eiichi Sato
16:50	76	Evaluation of Indigenously Developed Non-Metallic, Artifact-Free CT Biopsy Guideline Marker: Phantom Study and Clinical Experience	Muthuvelu Kulandaivel
17:00	87	Photon-counting X-ray computed tomography scanner and its application to iodine K-edge angiography	Reina Sato
17:10	177	CT Warriors - Enhanced Customisation of Weight-Based Contrast Media Protocol for CT Chest-Abdomen-Pelvis Scans in Universiti Malaya Medical Centre	Sue Anne Manushya Kaur Foo
17:20	3	Recalculation of iodine density from dual-keV CT images in dual-energy CT	Masatoshi Kondo
17:30	4	Recalculation of electron density from virtual monochromatic images in dual-energy CT	Akira Motomatsu

12 Oct 2024, Saturday (Parallel 3)

14:30 – 16:00	Proffered Papers 2.3 **Nuclear Medicine 3: Therapy** Chairs: Theerthraj Verma & Wan Nordiana W. Abd Rahman		
Time	*ID*	*Title*	*Presenter*
14:30	66	One-time-point dosimetry using model selection and Bayesian fitting method in [177Lu]Lu-PSMA-617	Bisma Barron Patrianesha
14:40	82	Accuracy and Precision of Few-Time-Points TIAC Calculations for [177Lu]Lu-PSMA-617 using NLME modeling	Assyifa Rahman Hakim
14:50	264	Effect of population size to the accuracy of single-time-point dosimetry in 177-Lu-PSMA therapy using non-linear mixed-effects model	Lyda Pav

Time	ID	Title	Presenter
15:00	266	Development of a biodegradable radioactive rod for targeted internal radiation therapy of liver tumours	Asseel Hisham Hisham
15:10	287	Development of Holmium-166 And 5-Fluorouracil-Loaded Folate-Functionalized Calcium Carbonate Nanoparticles for Targeted Therapy of Colorectal Cancer	Muhammad Nooraiman Zufayri Mohd Noor
15:20	50	Optimal Home Isolation Duration for Differentiated Thyroid Carcinoma Patients Treated with High-Dose I-131	Subhash Kheruka
15:30	294	Neutron-Activated Theragnostic Doxorubicin- and Samarium-153 Loaded Microspheres for Transarterial Chemo-Radioembolization of Liver Cancer	Yin How Wong
15:40	79	Advancing Precision in Radioembolization: A Comparative Analysis of Lung Shunt Fraction Estimation Through Planar Imaging, SPECT/CT, and Y90 PET/CT (Post Therapy)	Subhash Keruka
15:50	262	Dosimetry for Radioembolization of Liver (DREL): An In-house Dosimetry Software for Liver Radioembolization using Yttrium-90	Nurul Ab. Aziz Hashikin
16:20 – 17:50	Proffered Papers 2.6 **Others 1: Biology, Education & Training** Chairs: Kitiwat Khamwan & Noorazrul Azmie Yahya		
Time	*ID*	*Title*	*Presenter*
16:20	256	Additive manufacturing technology towards radiological tissue equivalence for experimental radiotherapy: From dosimetry to radiobiology	John Paul Bustillo
16:30	29	Direct and indirect detection of a carbohydrate tumor marker ‚ÄòAg carbohydrate CA 19-9 using the Photothermal Lens Spectroscopy	Ilhem Soyah
16:40	203	Biological Impact of 405 nm and 532 nm Laser Irradiation on Zebrafish Embryo Viability and Development	Umairah Mohd Zaki
16:50	339	Targeting BRD4 Mediates Immune Response Against Cervical Cancer Cells Enhancing The Efficacy Of Radiotherapy	Voraporn Yongprayoon
17:00	56	The RAS6109 IAEA project to enhance the status, knowledge, and skills of medical physicists in diagnostic and interventional radiology services for Asia and the Pacific region.	Ioannis Delakis
17:10	244	Evaluation the performance for answering of Language Generative Artificial Intelligence for Japanese medical physicist board examination and evaluation of accuracy improvement by Retrieval-Augmented Generation.	Yoshiyuki Takahashi

17:20	387	The Global Needs Assessment Committee of the American Association of Physicists in Medicine for Assisting Physicists in Low- and Middle-Income Countries	Eugene Lief
17:30	77	Radiation Dose Exposure Among Hospital Radiation Workers in Samarinda, East Borneo, Indonesia: A Retrospective Study	Yuanita Puspita Dewi Sudarso
17:40	130	Advancements in Medical Physics: Illuminating the Future of Healthcare in Bangladesh	Md Mokhlesur Rahman

13 Oct 2024, Sunday (Parallel 1)

08:00 – 10:00	Proffered Papers 3.1 **Radiotherapy 5: Treatment Planning (TP)** Chairs: Naoki Hayashi & Rozilawati Ahmad		
Time	*ID*	*Title*	*Presenter*
08:00	231	Target Specific Collimation Within a VMAT Trajectory Delivery for SRS/SRT	Jun Hao Phua
08:10	14	Planning and clinical implementation of VMAT based TMLI (Total Marrow with Lymphoid Irradiation) as a conditioning for bone marrow transplant	Reena Phurailatpam
08:20	92	Dosimetric effect of a silicone-based gel on skin surface in volumetric modulated arc therapy for breast cancer	Tenyoh Suzuki
08:30	103	Enhancing Treatment Efficiency in Volumetric Modulated Arc Therapy for Prostate Cancer Care	Mary Joan
08:40	247	Electron beam modification using dental wax to produce intra field variable spatial dose distribution	Arputha Anumanth Raj D
08:50	289	Impact of intrinsic radiosensitivity on biologically effective dose-based radiotherapy planning in head and neck lesions.	Sota Tagawa
09:00	299	Harvesting the collective effect of the NTO tool and gEUD objective for treatment planning of liver SBRT treatments	Ebenezer Suman Babu Sam Jeyakumar
09:10	348	Impact of Abdominal Compression Plate on Dose Calculation and Accounting during Treatment Planning for Stereotactic Body Radiotherapy	Kruti Haraniya
09:20	360	Comparative dosimetric analysis between volumetric modulated arc therapy in TrueBeam and Halcyon for craniospinal irradiation plans	Nalinpun Buranavanitvong

09:30	363	Dosimetric comparison between volumetric modulated arc therapy on TruebeamTM and HalcyonTM of boost plan for Total Body Irradiation	Wanwanut Jaihow
09:40	298	Dosimetric Impact of Photon Beam Energy, Fields, and Arcs on IMRT and VMAT for Cervical Carcinoma	Sadia Afrin Sarah
09:50	370	Dosimetric Evaluation in Lung SBRT between AAA and AXB algorithms	May Thu Htet

11:00 – 12:30	Proffered Papers 3.4 **Radiotherapy 6: TP & AI** Chairs: Melvin Chiew & Yasmin Md Radzi		
Time	*ID*	*Title*	*Presenter*
11:00	38	Evaluation of an DL-based Auto-planning Assistant System for VMAT Planning	Jia Chun Koo
11:10	81	Comparative Analysis of Repeatability in CT Radiomics and Dosiomics Features under Image Perturbation: A Study in Cervical Cancer Patients	Zongrui Ma
11:20	57	Pathomic features to predict the treatment response to radiation therapy of lung cancer patients	Yu Jin
11:30	154	Enhancing Radiation Oncology with Robotic Automation: Treatment Planning via Monaco TPS Scripts	Pichandi Anchineyan
11:40	156	Exploration of artificial intelligence acceptance testing for clinical applications	Rasika Rajapakshe
11:50	169	Prediction of Lung Cancer Radiotherapy Planning Dose using Deep Learning: Residual Network	Dwi Seno Kuncoro Sihono
12:00	228	Voxel Based Evaluation of the Radiotherapy Treatment Plans for Radiation Induced Dermatitis in CA Breast Patient: An Institutional Study	Balbir Singh
12:10	238	Evaluation of automated treatment planning for volumetric modulated arc therapy in stereotactic body lung radiotherapy	Chin Loon Ong
12:20	134	Correction of image quality and tumor shape in pseudo-CBCT scan with sparse projections using the CGAN	Sae Kamiyama

13 Oct 2024, Sunday (Parallel 2)

08:00 – 10:00	Proffered Papers 3.2 **Radiotherapy 7: Particle** Chairs: Masatoshi Kondo & Hun Yee Tan		
Time	*ID*	*Title*	*Presenter*

Time	ID	Title	Presenter
08:00	74	Carbon-Ion Stopping Power and Range Calculation of Tissue Equivalent Phantoms Using Particle and Heavy Ion Transport System (PHITS)	Jay Erickson Tio
08:10	349	Point Dose Comparison of Monte Carlo and Pencil Beam Algorithms in Treatment Planning System for Proton Therapy	Wiroon Monkongsubsin
08:20	234	Investigation of Secondary Bragg Peak in Proton Beam based on Monte Carlo Simulation	Alfia Faizatul Azimah
08:30	263	A simulation study of interplay effect of DIL in prostate cancer during real-time gated proton therapy	Clifford Ghee Ann Chua
08:40	340	Interplay Effect from Intensity Modulated Proton Therapy for Lung Cancer with Large Target Motion	Waritsara Kriangkraiwat
08:50	188	The tale of two protocols: Can proton beam therapy be used to safely perform dose-escalation for locally advanced pancreatic cancer?	Eva Bezak
09:00	159	Three-dimensional dose evaluation for proton therapy using a polymer-gel dosimeter	Atsuki Terakawa
09:10	176	Preliminary results of analysis characteristics of secondary neutrons during proton FLASH beam irradiation	Chaeeon Kim
09:20	55	Clinical Relevance of Raystation Treatment planning System (TPS) Validation in Proton Beam Therapy	Manimala Konthoujam
09:30	361	Simulation of stopping power for therapeutic proton beams in dental amalgam	Nattaporn Yamram
09:40	258	Estimation of LET using radiophotoluminescence glass dosimeter and Al2O3:Cr TLD in therapeutic proton beams	Weishan Chang
09:50	277	Development of a track structure-based thermoluminescent response model for Al2O3:Cr TLD	Hina Suzuki

11:00 – 12:10	Proffered Papers 3.5 **Diagnostic Radiology 5: MRI** Chairs: Agnette Peralta & Christoph Trauernicht		
Time	*ID*	*Title*	*Presenter*
11:00	58	Quality Assessment of Images in Accelerated Brachial Plexus Magnetic Resonance Imaging	Yanurita Dwihapsari
11:10	94	Influence of Subject-Specific Factors on Myocardium T1 Relaxation Time in Cardiac MRI: A Retrospective Study	Maheran Che Ha

11:20	135	Improved working memory loads during auditory recalling task in noisy backgrounds	Farahnaz Ahmad Anwar Bashah
11:30	160	Unravelling Effective Connectivity Patterns in the Default Mode Network during Resting State Functional Magnetic Resonance Imaging [RS-fMRI]: A Bayesian Model Selection Approach in Healthy Young University Students	Siti Aishah Shuib
11:40	175	Comparison of Fat Fraction Quantified in Multi-slice and Central Single-slice MR Images	Md Ruhul Amin Msc
11:50	267	Exploring Neurological Effects of Long COVID using rs-fMRI: Implications for Memory and Attention Deficits	Siti Maisarah Nasir
12:00	297	Effective Connectivity of Working Memory using Functional Magnetic Resonance Imaging	Nur Farhayu Omar

13 Oct 2024, Sunday (Parallel 3)

08:00 – 09:40	Proffered Papers 3.3 **Radiotherapy 8: Treatment Verification, Audit** Chairs: Mary Joan & Nurul Hashikin Ab Aziz		
Time	*ID*	*Title*	*Presenter*
08:00	140	Early Feasibility Study of a Log File-based Beam Verification System for External Beam Radiation Treatment with MLC Tracking on Various Breathing Frequencies	Iqbal Auliarachman
08:10	161	Dosimetric evaluation of random MLC errors in IMRT for breast cancer treatment on C-type and O-type linacs	Akbar Azzi
08:20	180	Log file-based 3D dose distribution prediction of patient-specific quality assurance using WingNET	Ying Huang
08:30	183	Quantitative evaluation of FSRT and SBRT delivery using in-vivo EPID dosimetry of the Halcyon Linear Accelerator: a retrospective institutional study	Sandy Villaruz
08:40	303	Preliminary Validation of an EPID-based Independent secondary 3D dose verification software for treatment plan verification and pre-treatment quality assurance	Sheeba G
08:50	124	Comparison of gamma index (VMAT) of nasopharyngeal and breast malignancy by using different QA tools.	Koh Zheng Hwee
09:00	229	Australian Clinical Dosimetry Service: An overview of radiotherapy dosimetry audits	Brendan Healy

Time	ID	Title	Presenter
09:10	271	Development and Implementation of the JORQM Beam Registration System for Linear Accelerator Output Dose Management in Japan	Shinji Kawamura
09:20	208	National Survey of Stereotactic Radiosurgery (SRS) and Stereotactic Radiotherapy (SRT) Practices in Malaysian Radiotherapy Centres: A Medical Physics Perspective	Vorakit Epin
09:30	13	Comprehensive dosimetric study of plan evaluation based on beam let width for cervical cancer patients using Monaco TPS.	Mary Joan
09:40	85	Is my department a national outlier? Self-audit against a national planning data set	John Byrne

11:00 – 12:30	Proffered Papers 3.6 **Radiotherapy 9: QA & Dosimetry** Chairs: Freddy Haryanto & Hwee Shin Soh		
Time	*ID*	*Title*	*Presenter*
11:00	110	Determining Optimal Radiation Field Light Offset value for RadCalc‚Äôs 3D Dose Verification for Prostate and Lung SBRT plans	Ming Long Melvin Chew
11:10	133	Evaluation of cross-calibration based on TRS-398 and TG-51 to modified electron beam calibration methods	Vibol Ban
11:20	158	A Novel Polymer Gel Dosimetry for Radiation Therapy Purposes: A Phantom Study	Mohammed Dawood Salman
11:30	209	Radiological and dosimetric characteristics of commercial 3D printed acrylonitrile butadiene styrene (ABS) with water and soft tissue for radiotherapy applications	Mohammed Salem Bagahezel
11:40	304	Depth Dose Characterization of High Dose Rate Electrons in Multiple Detectors	Wahyu Edy Wibowo
11:50	48	Feasibility of 3D Printing A Patient-Specific Modular Head Phantom for Quality Assurance in Radiotherapy	Wei Yang Calvin Koh
12:00	204	Design and Dosimetric Evaluation of 3D-Printed Universal Mouth Bites for Head and Neck Radiotherapy	Senthilkumar Shanmugam
12:10	102	Determination of Output Correction Factors in Small Field Dosimetry for the PTW 60023 Microsilicon	Tuyen Nguyen Duc
12:20	317	Determination of Profile Correction factors for profile measurements with Solid State Detectors	Suresh Poudel

Poster Presentation List

Diagnostic Radiology

Poster ID	Abs ID	Title	Presenter
PSTR-DR-01	330	A Radiomics-Based Machine Learning Approach for Accurate Subtype Classification of Adenocarcinoma and Squamous Cell Carcinoma	Hasin Anupama Azhari
PSTR-DR-02	34	Comparison of Size Specific Dose Estimates using different patient size measurements in Computed Tomography	Ajit Brindhaban
PSTR-DR-03	39	Utility of Virtual Monoenergetic Imaging in Abdomen-Pelvis CT scan	Qing Le Keng
PSTR-DR-04	51	Photon-counting detector CT techniques for the detection of acute ischemic stroke using virtual monoenergetic images	Hidetake Hara
PSTR-DR-05	96	Study on visualization of deep biological temperatures in pig using X-rays CT-based thermometry method	Shinya Mizukami
PSTR-DR-06	120	Effect of zoom reconstruction on resolution in the periphery of the FOV in dental cone-beam CT	Shinya Takarabe
PSTR-DR-07	201	Development of 3D cylindrical wire phantom for MTF measurement of computed tomography images	Betha Sri Wulandari
PSTR-DR-08	212	3D to 2D Surface remapping of cranial computed tomography (CT) scans to improve clinical fracture detectability	Hafsa Binte Munir
PSTR-DR-09	265	Radiation Dose during Multi-Catheter Insertion in CT-Guided Interstitial Liver Brachytherapy: A Preliminary Study	Noor Diyana Osman
PSTR-DR-10	295	Comparison of the Computed Tomography (CT) Image Quality Using Different Reconstruction Algorithms	Ismail Zainuddin
PSTR-DR-11	307	Patient Effective Dose Review for Lung Cancer Screening at Institut Kanser Negara: A Five-Year Retrospective Study	Siti Norsyafiqah Mohd Mustafa
PSTR-DR-12	326	Establishing Institutional Adult Computed Tomography Diagnostic Reference Levels at Gleneagles Hospital Penang, Malaysia	Yuan Xin Teo
PSTR-DR-13	114	Development of Computed Tomography Reference Doses for Stonogram and Head Examinations at East Avenue Medical Center	Jimnoel Quijano

PSTR-DR-14	310	QuIQCT: An Online Image Quality Analysis System for Computed Tomography Quality Assurance	Hafiz M Zin
PSTR-DR-15	233	Limited view CT reconstruction for Superimposed Wavefront Imaging of Diffraction-enhanced X-rays (SWIDeX)	Naoki Sunaguchi
PSTR-DR-16	337	Dual-energy embossed X-ray computed tomography for adding soft and hard image information	Eiichi Sato
PSTR-DR-17	296	Utilising 3D Printing Mould Technique in the Development of Anatomically Accurate Tissue-Equivalent Paediatric Head Phantoms	Nurul Ab. Aziz Hashikin
PSTR-DR-18	52	Investigation of radiological properties and mass attenuation coefficients of paraffin wax material at low energy x-rays by using effective energy methods	Mohd Fahmi Mohd Yusof
PSTR-DR-19	316	Study on the accuracy of optically stimulated luminescence dosimeter (OSLDs) dose measurement using MicroStar reader calibrated for low dose diagnostic range	Wan Hazlinda Ismail
PSTR-DR-20	341	On the Use of Solid-State X-Ray Multimeter for Diagnostic and Interventional Radiology: Are We Looking Back to Ionization Chambers?	Salmah Oktavia Nurhidayati Jauhari
PSTR-DR-21	153	EffDense-TransUNet: An Innovation in Brain Tumor Segmentation Using an Ensemble of EfficientNetV2 and DenseNet121	Julfa Muhammad Amda
PSTR-DR-22	172	Preliminary Study on IEC-based Exposure Index (EI) Estimation from Chest Radiographs Using Deep Learning	Jewon Jang
PSTR-DR-23	320	A Novel Computer-Aided Diagnosis for Classification of Thyroid Nodules: A Pilot Study	Revathy Suresh
PSTR-DR-24	190	Investigation of MRI imaging sequence to capture the initial response of fatigue fracture.	Kyoka Naito
PSTR-DR-25	213	Semi Automatic Assessment of Image Quality in Quality Control of Magnetic Resonance Imaging	Yanurita Dwihapsari
PSTR-DR-26	219	Investigating the Effects of Kratom (Mitragyna speciosa) on Neural Activation During Motor Tasks: An fMRI Study	Suzana Mat Isa
PSTR-DR-27	249	A novel multimodal omics approach with deep learning models for depression prediction	Xiao Li
PSTR-DR-28	273	Establishing Local, and National Diagnostic Reference Levels in Iran: A Comprehensive Retrospective Study	Chai Hong Yeong

PSTR-DR-29	35	Implementation of Deep Learning for Chest X-ray Classification	Hui Chin Leow
PSTR-DR-30	49	A Review of Diagnostic Reference Levels in Digital Mammography	Nik Mohd Amiruddeen Nik Pakheruddin
PSTR-DR-31	86	Testing Mathematical Model for Conventional X- Ray Machine Output Calculation	Arzag Ibrahim Ahmed
PSTR-DR-32	123	A fundamental study of image quality assessment of chest tomosynthesis images using inversed image quality figure	Taku Kuramoto
PSTR-DR-33	148	Exposure Index and Image Quality in Abdominal Radiography Using Different Anti-scatter Grids	Nobukazu Tanaka
PSTR-DR-34	179	Preliminary Study on the Correlation between IEC-based Exposure Index and Patient Size in Mobile Abdominal Radiographs	Dongyeong Kim
PSTR-DR-35	220	Towards Establishing NDRL in Adult Plain Radiography: A Preliminary Results	Noorhidayah Che Mat
PSTR-DR-36	221	Digital Radiograph Rejection and Image Quality Analysis during Covid-19 in the Radiology Department at a Tertiary Hospital in Kuantan	Nor Ain Rabaiee
PSTR-DR-37	246	Comparison of air kerma measurements between the IAEA Dosimetry Laboratory and the Medical Physics Laboratory, Malaysian Nuclear Agency for X-radiation qualities used in general diagnostic radiology	Asmaliza Hashim
PSTR-DR-38	308	National Study of Patient Dosimetry for Head and Cardiac Angiographic Procedure	Wan Nur Ain Wan Ghazali
PSTR-DR-39	336	Optimization of cranial three-dimensional rotational angiography using Figure of Merit as parameter	Ika Hariyati
PSTR-DR-40	342	Practical In-Situ Calibration for Dose-Area Product Meter in Interventional Fluoroscopy: Beam-Area Method	Fara Farisa Dhaifina
PSTR-DR-41	343	Uniformity Test in Three-Dimensional Rotational Angiography: Novel Tools and Methods for Advanced Performance Evaluation	Hning Mutiara Gita Saraswati
PSTR-DR-42	302	Establishment of National DRL in Paediatric Radiography: A Novel Experience	Mutia Suhaibah Abdullah

Nuclear Medicine

Poster ID	Abs ID	Title	Presenter
PSTR-NM-01	274	Radiomics analysis for prediction of coronary artery disease using nuclear medicine imaging	Chai Hong Yeong
PSTR-NM-02	121	Quantification of 99mTc-Pertechnetate in Thyroid Planar Imaging	Yanurita Dwihapsari
PSTR-NM-03	300	Investigation of Post-reconstruction Positron Range Correction in Rb-82 PET Cardiac Image: A Phantom Study.	Rukiah A Latiff
PSTR-NM-04	323	A Monte Carlo simulation study of the impact of increasing the axial field of view on PET scanner sensitivity with various scintillating crystals	Abdallah El Ouaridi
PSTR-NM-05	11	Assessment of Radiation Exposure Measurements using the Ceiling-Mounted Geiger Muller (GM) Detector and Handheld Survey Meter in High Dose Radioactive 131I (RAI) therapy facility	Kai Wei Chuah
PSTR-NM-06	173	Optimization of the Acquisition and Reconstruction Protocol for Quantitative 177Lu SPECT/CT	Puvanesuawary Morthy
PSTR-NM-07	189	Case Study: A Comparison of Different Technique in Evaluating of Iodine 131 (I-131) Absorbed Dose in Differentiated Thyroid Carcinoma (DTC) Patients	Haizana Hairuman
PSTR-NM-08	283	Comparison of Effective Dose in Patient Administered with Ga-68 PSMA and Ga-68 DOTATATE for PET/CT Imaging with Diagnostics CT Parameters	Nur Asilah Jalalludin
PSTR-NM-09	333	Determination of Voxel S-value Maps for Internal Dosimetry of [68Ga]Ga-PSMA ‚Äì A Monte Carlo Study	Chai Hong Yeong
PSTR-NM-10	355	Optimisation of Imaging Time for Single-Time-Point Dosimetry of [177Lu]Lu-PSMA-617 Therapy: Simulation Study with Non-Linear Mixed-Effects Modelling	Yeni Pertiwi

Radiotherapy

Poster ID	Abs ID	Title	Presenter
PSTR-RT-01	237	Malaysian radiotherapy dosimetry audit for electron beams in reference and non-reference conditions	Abdullah Norhayati
PSTR-RT-02	433	Status of independent Quality Audit of radiotherapy as a regulatory practice in Korea	Hee In Kim

PSTR-RT-03	141	End-to-end dosimetric external audit for IMRT/VMAT clinical trial credentialing using IROC Anthropomorphic head and neck phantom: A single institutional study	Subramani Vellaiyan
PSTR-RT-04	217	Brachytherapy Machine: The New Frontier for Renewable Energy	Venkatraman Pitchaikannu
PSTR-RT-05	257	Surface Dose Verification of Vaginal Cylinder and Shielding Applicators in HDR Cobalt-60 Brachytherapy	Nurul Aqilah Abdul Malik
PSTR-RT-06	324	3D Image-based treatment planning for vaginal cylinder brachytherapy: a dosimetric analysis.	Reduan Abdullah
PSTR-RT-07	99	Analysis of geometric features involved in additional needles by ML-based approach in cervical cancer brachytherapy	Tomohiro Kajikawa
PSTR-RT-08	144	Development of Gynecological Custom Cylinder applicator with Balloon for ICBT	Yu Tosue
PSTR-RT-09	106	Calibration of TLD-100 chips using a Truebeam Linac for Measurement of Radiotherapy Doses	Eric Lee
PSTR-RT-10	345	Evaluation of Basic Characteristics of Small Spherical Diode Dosimeters for X-Rays	Masaya Watanabe
PSTR-RT-11	42	Development of image-guided radiation therapy using brain sulci and gyri as alignment targets in single-isocenter multiple-target stereotactic radiosurgery using volumetric modulated arc therapy for brain metastases	Takaaki Ito
PSTR-RT-12	46	Evaluation of dose delivery accuracy for moving target with respiratory motion	Sung Joon Kim
PSTR-RT-13	116	Quantification of liver deformation for patients of hepatocellular carcinoma (HCC) treated with stereotactic body radiotherapy (SBRT)	Joseph Maria Das Koilpillai
PSTR-RT-14	119	Dosimetric Comparison of Deep Inspiration Breath-Hold (DIBH) and Free Breathing (FB) Gating Technique for Left Sided Breast Cancer in Pantai Hospital Kuala Lumpur	Nur Hafizah Yaakub
PSTR-RT-15	157	Evaluation of inter-fractional organ motion between supine and prone positions for locally advanced cervical adenocarcinoma.	Terufumi Kusunoki
PSTR-RT-16	261	Evaluating The Accuracy of Gamma Knife Frame Fiducial Localization using Cone Beam Computed Tomography (CBCT)	Muhamad Hanif Bin Mohd Omar

PSTR-RT-17	89	Evaluation of an IMRT planning with a CBCT-based adaptive radiotherapy system for prostate cancer	Risako Aso
PSTR-RT-18	218	Evaluation for kilovoltage X-ray arc therapy using Monte Carlo simulation	Venkatraman Pitchaikannu
PSTR-RT-19	2	Monte Carlo Simulation-Based Dose Calculation for Varian 2100CD Linac: A Comparative Study with Clinical Algorithms in Homogeneous and Heterogeneous Media	Tanny Bepari
PSTR-RT-20	162	Monte Carlo simulation study of dose distributions in intensity-modulated boron neutron capture therapy	Kengo Miyada
PSTR-RT-21	23	Monte Carlo Simulation Study on Mini-Ridge Filters in Proton Pencil Beam Scanning	Takahiro Shimo
PSTR-RT-22	73	Analysis of the modification frequency and factors of irradiation conditions during carbon-ion scanning radiotherapy	Yohsuke Kusano
PSTR-RT-23	240	Determination of Optimum Aperture Margin for Small Stereotactic Targets in Pencil Beam Scanning Proton Therapy	Kantaram Darekar
PSTR-RT-24	150	Implementation of daily quality assurance checks on 6 DoF couch using HexaCheck	Mary Ruth Joy Tan
PSTR-RT-25	182	Quality Assurance of Treatment Planning System: An Institutional Experience of AAA and Collapse Cone Dose Calculation Algorithm Commissioning based on TRS-430	Noor Zati Hani Abu Hanifah
PSTR-RT-26	199	Optimization of Linear Accelerator Quality Control Protocols in Stereotactic Body Radiation Therapy and Stereotactic Radiosurgery Using Failure Modes and Effects Analysis	Patrick Marcelino Wongso
PSTR-RT-27	206	Commissioning of AXB for Lung Stereotactic body radiotherapy	Glen Mok
PSTR-RT-28	331	Evaluation of action limit and tolerance limit for delivery quality assurance in the difference Tomotherapy platform.	Thanawat Saengsawatdiphong
PSTR-RT-29	78	Evaluation of the dose reduction caused by air gaps in total scalp irradiation with TomoTherapy	Minoru Ishigami
PSTR-RT-30	84	Dosimetry characterization of Gafchromic EBT3 film on photon beam Gamma Knife PerfexionTM	J Junios
PSTR-RT-31	344	Development of a method for calculating calibration curves for small spherical diode dosimeters	Ren Abukawa

PSTR-RT-32	170	Effects of External Beam Radiation Therapy on Hepatocellular Carcinoma (HepG2) Cell Lines	Santhiya Darshini Rahgu
PSTR-RT-33	260	Effects of External Beam Radiation Therapy on Hepatocellular Carcinoma	Santhiya Darshini Rahgu
PSTR-RT-34	37	Development of a Polystyrene Phantom for Quality Assurance of a Gamma Knife	Hyun-Tai Chung
PSTR-RT-35	278	COMPARISON OF DIODE DETECTOR AND GAFCHROMIC FILM FOR IN-VIVO DOSIMETRY MEASUREMENT DURING TOTAL BODY IRRADIATION (TBI)	Nur Zarifah Zulkifle
PSTR-RT-36	9	Evaluation of surface depth dose using varying DVS and SU in Monte Carlo algorithm with Different planning techniques and immobilization devices.	Sarath S Nair
PSTR-RT-37	65	Development and Assessment of a Safe Water-Based Skin Marker for Clinical Radiation Therapy	Hajime Monzen
PSTR-RT-38	113	Evaluating the Correlation Between Mean Bladder Dose and Target Volume in Normalized Prescription Doses for High-Risk Prostate Cancer	Chihwei Yu
PSTR-RT-39	236	Density override for treatment planning of volumetric modulated arc therapy in lung stereotactic body radiotherapy	Chin Loon Ong
PSTR-RT-40	251	Assessment of Delivered Dose to Rectum and Bladder in Prostate Cancer Radiation Therapy Through Different Fluence Smoothing of Monaco TPS in VMAT	Marwah Alhawi
PSTR-RT-41	281	Development of Precise Electron Beam Collimators Using Tungsten-Containing Thermoplastic Rubber and 3D-Printed Heat-Resistant Molds	Takeshi Kamomae
PSTR-RT-42	373	Dosimetric Efficacy of Two Novel Hybridization Strategies for Post-Mastectomy Radiotherapy to the Chest Wall and Regional Lymph Nodes	K Mohamathu Rafic
PSTR-RT-43	384	Evaluation of dose calculation accuracy of various algorithms in RT planning of thoracic tumour.	Anoop Srivastava
PSTR-RT-44	388	Impact of Bone marrow-sparing intensity-modulated radiotherapy in patients of cervical carcinoma	Shraddha Srivastava
PSTR-RT-45	350	Dosimetric Study On The Effect Of Dental Implant In External Beam Radiotherapy Of Salivary Gland Cancer Using Geant4 Monte Carlo Simulation	Nurul Hashikin Ab. Aziz

PSTR-RT-46	365	Dosimetric Comparison between Intensity Modulated Radiotherapy versus Volumetric Modulated Arc Therapy Treatment Plans for Post mastectomy Left Sided Breast Cancer	Md. Rustam Ali
PSTR-RT-47	382	Challenges and feasibility in performing hypofractionated treatment for intracranial tumors originally intended for radiosurgery	Vellaiyan Subramani
PSTR-RT-48	59	Evaluation of Dosimetric Outcomes Using Retrospectively Established CTV-PTV Margins for Brain and Head and Neck Cancer Radiotherapy	Md Mokhlesur Rahman
PSTR-RT-49	270	Stereotactic Radiotherapy (SRT) with RapidArc: Challenges and Implementation in a Single Institution Experience	Jobairul Islam
PSTR-RT-50	146	Performance of a foundational CT model for cardiac risk prediction	Rasika Rajapakshe
PSTR-RT-51	243	Evaluation of automated treatment planning software using deep learning for advanced non-small cell lung cancer patients	Takeru Nakajima
PSTR-RT-52	351	A feasibility study of deep learning-based plan optimization engine in protons	Yaoying Liu
PSTR-RT-53	352	A feasibility study of deep learning-based plan dose calculation frame in protons	Yaoying Liu
PSTR-RT-54	137	Using Sun Nuclear (SNC) SRS MapCHECK to perform Patient-Specific Quality Assurance (PSQA) for single-isocenter, multi-target stereotactic treatment plans: Successes and challenges.	Jessen How
PSTR-RT-55	163	Development of a radio-chromic-gel dosimeter and an optical CT scanner for rapid evaluation of three-dimensional dose distribution in radiotherapy	Kota Tsujimoto
PSTR-RT-56	202	Optimizing CT Number for Virtual Bolus in Breast VMAT Planning and Validation of Dose Uniformity with nanoDot Measurement in a Rando Phantom	Sumalee Yabsantia
PSTR-RT-57	309	Feasibility Study of a Remote 3D Digital Radiotherapy Dosimetry Audit Using PRESAGE and Log File Data	Hafiz Zin
PSTR-RT-58	311	Investigation of 2D Ionisation Chamber Detector Array Performance for VMAT Verification Using Linac Log Data	Kai Wei Chuah
PSTR-RT-59	334	Initial experience with Trajectory-Log file analysis: Study on the intra-fractional variation and delivery parameter dependencies on Multileaf Collimator (MLC) Error for Stereotactic Body Radiotherapy (SBRT).	Ritu Raj Upreti

Poster ID	Abs ID	Title	Presenter
PSTR-RT-60	353	Comparative Analysis of User-defined and Random Points in EPID-Based Radiotherapy Verification: A Pilot Study	Muhammad Zulkarnain Ruslan
PSTR-RT-61	354	Evaluation of the Raydose 2Dmap Detector Array for Intensity-Modulated Radiation Therapy (IMRT) Verification	Rosmawati Binti Remli
PSTR-RT-62	359	Patient specidic QA of Overall TBI with a helical radiation therapy using couch-fixed mode	Takeshi Ohta
PSTR-RT-63	364	Dosimetric Evaluation of IMRT And VMAT Plans using AAPM TG-119 Protocol	Meera S Nair
PSTR-RT-64	368	Dosimetric Validation of Upgraded Version of Treatment Planning System using TG-119 Protocol	Biju Perumanoor Thomas
PSTR-RT-65	328	Clinical Implementation, Dosimetric Evaluation and Patient-Specific Quality Assurance of Stereotactic Radiotherapy using VMAT for Intracranial Lesions	Jobairul Islam
PSTR-RT-66	8	Application of gold nanorods in synergistic photothermal therapy and radiotherapy for cancer treatment	Ali Taheri
PSTR-RT-67	164	Basic study of a liposome-based drug delivery system for increasing therapeutic effect ofproton therapy	Sotaro Suzuki

Others

Poster ID	Abs ID	Title	Presenter
PSTR-OT-01	138	Fluoxetine mediates radiosensitivity and inhibits metastasis of Osteosarcoma cells via RANK/RANKL Signaling.	Peggy Tan
PSTR-OT-02	165	Effects of Gamma and Laser Radiation on the Properties and Efficacy of Zinc Oxide Nanoparticles.	Mcleod Andy Jomi
PSTR-OT-03	230	Beam quality specification and performance assessment of an X-ray irradiator for cell irradiation experiments	Shalaine Tatu
PSTR-OT-04	241	Prototyping and verification of a hanging type Laue case analyzer for refraction-contrast imaging	Daisuke Shimao
PSTR-OT-05	279	A Study on Rapid Radiation Position Source Tracking Using Multiple Radiation Spectroscopy Detectors	Hanlim Kim

PSTR-OT-06	338	Radiosensitization Effects of Schiff Base Iron Complexes (Fe- L4) Irradiated with Cobalt-60 Brachytherapy	Nur Afiqah Moh Chipto
PSTR-OT-07	383	Hormetic Effects of Ionizing Radiation on Nasopharyngeal Carcinoma: Unveiling Contrasting Cancer Cell Survival in Response to High and Low Doses	Raahilah Zahir Essa
PSTR-OT-08	15	Detection of Leukemia in Microscopic Images by Using Image Processing Techniques	Mokhlesur Rahman
PSTR-OT-09	242	Hands-on Workshop on Basic Quality Control for CT in Lao PDR	Katsumi Tsujioka
PSTR-OT-10	62	SDG-DAAD Program on Development of Medical Physics Teaching and Research in Indonesia for Year 2023	Bisma Barron Patrianesha
PSTR-OT-11	108	The International Exchange of Medical Physics (IEMP): New Media's Role in Continuous Education	Jiayun Chen
PSTR-OT-12	152	Education on optimizing radiation protection in X-ray fluoroscopy using extended reality	Toshioh Fujibuchi
PSTR-OT-13	224	Enhancing Radiation Safety through Clinical Staff Secondments in Medical Physics	Mohamed Badawy
PSTR-OT-14	259	Utilization of Projection Methods in Communication During Radiation Therapy	Hiroki Ohtani
PSTR-OT-15	362	Advancing Radiation Protection in Malaysia's Medical Facilities: Implementation and Certification of Radiation Protection Officers (RPO)	Zunaide Kayun
PSTR-OT-16	222	Intellectual Property Insights for Medical Physicist: Safeguarding and Enhancing Innovations	Hnin Nitar
PSTR-OT-17	285	Development of a User-Friendly Incident Learning System in Radiation Oncology	Hanifa Fithraturrahma
PSTR-OT-18	315	Bridging the Gap: Advancing Medical Physics Education and Training in Bangladesh to Meet Growing Healthcare Demands	Jobairul Islam
PSTR-OT-19	100	Assessing Caregivers' Awareness of Pediatric Radiation Exposure in Computed Tomography Examination: A Cross-Sectional Study	Nur Hamizah Mohd Zainudin
PSTR-OT-20	31	Basic Study of 3-mm Dose Equivalent Measurement Technique Using the Stacked TLD Method	Hinata Fujiwara

PSTR-OT-21	93	Consideration of real-time visualization of scattered rays using a high-sensitivity CMOS camera	Hyojin Lee
PSTR-OT-22	305	The Effect of Variation Dopant Concentration on the Sensitivity Dosimeter Thermoluminescence of Calcium Sulphate	Siti Julia
PSTR-OT-23	68	Clinical study of patient surface dose measurement taking into consideration the differences of the X-ray incident angle during chest CT examination	Sota Goto
PSTR-OT-24	166	Radiation Dose Monitoring on a Budget	Zhengyi Hu
PSTR-OT-25	26	Development of simplified dose distribution calculation program for radiation protective plate placement using directional vectors	Kyoko Hizukuri
PSTR-OT-26	178	Determination of XA type optically-stimulated luminescence (OSL) correction factor to estimate eye lens dose, Hp(3)	Irfan Aliff Ahmad Razman
PSTR-OT-27	379	Worker Dose Prediction Based on Statistical Model	Zaenal Arifin
PSTR-OT-28	245	Occupational Radiation Exposure to the Thyroid in Angiography Procedures: Single-Centre Study	Nur Fasehah Hani Sharani
PSTR-OT-29	125	Assessment of Knowledge and Attitude about Radiation Hazards on Pregnant Women among Non-Healthcare Students	Juliana Mohd Radzi
PSTR-OT-30	211	The significance of a national multidisciplinary tumor board for cancer during pregnancy: 12 year experience of the Dutch Advisory Board ‚ÄúCancer during Pregnancy‚Äù (ABCIP-Netherlands)	Phil W. Koken
PSTR-OT-31	318	Model Building for new patient on treatment machine: A prediction model	Suresh Poudel
PSTR-OT-32	127	Assessments on the Infection Control among Medical Imaging Students	Nurul Syazwina Mohamed

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Oral Presentation Slots

Programme (11 Oct 2024, Friday)

07:00 – 08:30	Registration		
15:15 – 16:15	**KJ Maria Das & Mohd Zahri Abdul Aziz** Proffered Papers 1.1 **(6)** **Radiotherapy 1: Monte Carlo, Brachytherapy (6)**	**Eugene Lief & Nur Farhayu Omar** Proffered Papers 1.2 **(6)** **Diagnostic Radiology 1: Machine Learning & AI (6)**	**Krisanat Chuamsaamarkkee & Haniff Shazwan** Proffered Papers 1.3 **(6)** **Nuclear Medicine 1: Imaging (6)**
16:15 – 16:30	Tea Refreshment & Poster Session		
16:30 – 18:00	Proffered Papers 1.4 **(9)** **Radiotherapy 2: Treatment Outcomes (6)**	Proffered Papers 1.5 **(9)** **Diagnostic Radiology 2: Radiography Techniques (5)**	Proffered Papers 1.6 **(9)** **Nuclear Medicine 2: Monte Carlo, AI, QA (4)**
18:00 – 19:30	AFOMP EXCOM Meeting		

Programme (12 Oct 2024, Saturday)

07:00 – 08:00	Registration			
14:30 – 16:00	**Avinav Bharati & Noramaliza Mohd Noor** Proffered Papers 2.1 **(9)** **Radiotherapy 3: Image Guidance and Motion Management I (9)**	**Napapong Pongnapang & Nurmazaina Md Ariffin** Proffered Papers 2.2 **(9)** **Diagnostic Radiology 3: CT Imaging, Dose, Techniques I (9)**	**Theerthraj Verma & Wan Nordiana W. Abd Rahman** Proffered Papers 2.3 **(9)** **Nuclear Medicine 3: Therapy (9)**	Session on IMPCB Accreditation and Certification Programmes
16:00 – 16:20	Tea Refreshment & Poster Session			
16:20 – 18:00	**John Paul O. Bustillo & Hoang Anh Tung** Proffered Papers 2.4 **(10)** **Radiotherapy 4: Image Guidance and Motion Management II (7)**	**Ahmad Nazlim Bin Yusoff & Norhanna Sohaimi** Proffered Papers 2.5 **(10)** **Diagnostic Radiology 4: CT Imaging, Dose, Techniques II (8)**	**Kitiwat Khamwan & Noorazrul Azmie Yahya** Proffered Papers 2.6 **(10)** **Others 1: Biology, Education & Training (9)**	
19:30 – 22:30	Gala Dinner			

Programme (13 Oct 2024, Sunday)

07:00 – 08:00	Registration		
08:00 – 10:00	**Naoki Hayashi & Rozilawati Ahmad** Proffered Papers 3.1 **(12)** **Radiotherapy 5: Treatment Planning (TP) (12)**	**Masatoshi Kondo & Hun Yee Tan** Proffered Papers 3.2 **(12)** **Radiotherapy 7: Particle (12)**	**Mary Joan & Nurul Hashikin Ab Aziz** Proffered Papers 3.3 **(12)** **Radiotherapy 8: Treatment Verification, Audit (11)**
10:00 – 10:30	Tea Refreshment & Poster Session		
11:00 – 12:30	**Melvin Chiew & Yasmin Md Radzi** Proffered Papers 3.4 **(9)** **Radiotherapy 6: TP & AI (9)**	**Agnette Peralta & Christoph Trauernicht** Proffered Papers 3.5 **(9)** **Diagnostic Radiology 5: MRI (7)**	**Freddy Haryanto & Hwee Shin Soh** Proffered Papers 3.6 **(9)** **Radiotherapy 9: QA & Dosimetry (9)**
12:30 – 14:00	Lunch & Exhibition		
15:30 – 16:30	Awards Presentation & Closing Ceremony		