

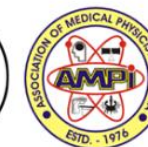
# International Conference on Medical Physics - 2023



The 25th International Conference of the IOMP

**Theme:** Innovations in Radiation Technology & Medical Physics for Better Healthcare  
6<sup>th</sup> - 9<sup>th</sup> December 2023 | Venue: DAE Convention Centre, Anushaktinagar, Mumbai, India

**AMPICON 2023 | AOCMP 2023 | ISEACOMP 2023**



## Scientific Program: Day 1, Wednesday, 6<sup>th</sup> December 2023 **HALL A**

8.00 - 9.00	Registration		
9.00 - 10.00	Opening Ceremony		
10.00 - 10.15	High Tea		
<b>Time</b>	<b>Presentation ID/ Abstract ID</b>	<b>Title of the talk</b>	<b>Chairperson/ Moderator/ Speaker</b>
10.15 - 11.15	<b>Plenary Session 1: Current Trends in X-ray Imaging and Radiation Oncology</b>		<b>John Damilakis, IOMP</b>
10.15 - 10.30	P-1	Can AI predict patient doses from X-ray examinations accurately enough?	John Damilakis, Greece
10.30 - 10.45	P-2	Grid, Flash and other superheroes of radiation therapy,	Eva Bezak, Australia
10.45 - 11.00	P-3	Hot topics in Radiation Protection	Madan Rehani, India/USA
11.00 - 11.15	----	Discussion	All
<b>11.15 - 13.15</b>	<b>Special Symposium 1: Hadron and Ion Beam Therapy</b>		<b>Rakesh Jalali, India</b>
11.15 - 11.35	S-01	Evolution and future challenges of ion beam therapy	Masahiro Endo, Japan
11.35 - 11.55	S-02	Clinical commissioning of Spot scanning proton therapy	Sung Yong Park, Singapore
11.55 - 12.15	S-03	Particle therapy in paediatric solid tumours - Impact on clinical outcomes	Sidharth Laskar, India
12.15 - 12.35	S-04	Therapeutic gain with current practice of IMPT	Dayananda Sharma, India
12.35 - 12.55	S-05	Future developments in IMPT for higher therapeutic gain	Narayan Sahoo, USA
12.55 - 13.15	----	Panel Discussion: Challenges and opportunities of ion beam therapy (Panelist: Masahiro Endo, Sung Yong Park, Sidharth Laskar, Dayananda Sharma, Narayan Sahoo)	Rakesh Jalali, India (Moderator)

13.15 - 14.00	<b>Lunch &amp; Social Time</b>		
<b>14.00 - 15.00</b>	<b>Scientific Session 1: Motion Management</b>		<b>Sudesh Deshpande, India</b>
14.00 - 14.20	<b>I-01</b>	<b>Off line to On line tumour tracking</b>	<b>Raghavendra Holla, India</b>
14.20 - 14.30	O-001/ I6226	Dosimetric Comparison of Gated versus Free Breathing Techniques for Lung Stereotactic Body Radiotherapy	Amalu Hanna Alex, India
14.30 - 14.40	O-002/ V8119	Accuracy of external tumour motion monitoring in liver SABR: Results from the TROG 17.03 LARK trial	Chandrima Sengupta, Australia
14.40 - 14.50	O-003/ Y5016	Cardiac ablative SBRT for treating ventricular tachycardia – A case study	Sambasivaselli R, India
<b>15.00 - 16.00</b>	<b>Scientific Session 2: Clinical Brachytherapy</b>		<b>Kamlesh Passi, India</b>
15.00 - 15.20	<b>I-02</b>	<b>Gamma Tile: Newest brain brachytherapy device</b>	<b>Mathew Hall, USA</b>
15.20 - 15.30	O-004/ W8330	A retrospective dosimetric comparison of TG-43 based algorithm and commercially available advanced collapsed cone engine (ace) based on TG-186 for patients undergoing APBI using Co-60 HDR brachytherapy	Alka Kataria, India
15.30 - 15.40	O-005/ P6233	Validation of sigmoid points for sigmoid dose accumulation and reporting for multifractionated brachytherapy for cervical cancer	Kamalnath J, India
15.40 - 15.50	O-006/ G8473	A Dosimetric Comparison of CT/MR Multichannel Applicator versus Single Channel Cylinder for the Treatment of Gynaecological Cancers with High Dose Rate Brachytherapy	Anjana AK, India
16.00 - 16.15	<b>Tea Break</b>		
<b>16.15 -17.45</b>	<b>Special Symposium 2: Good-catches (GC) in radiation therapy</b>		<b>Vibha Chaswal/Bruce Thomadsen/M Mahesh</b>
16.15 - 16.35			
16.35 - 16.55	S-07	Value of GCs and positively reinforced environment to nurture GC opportunities	Vibha Chaswal, USA
16.55 - 17.10	S-08	Good Catch Encounter Scenario – CT Scanning	M Mahesh, USA
17.10 - 17.25	S-09	Good Catch Encounter Scenario – EBRT/EMR/Electrons	Daxa Patel, Canada
17.25 -17.45	S-10	Reap full benefit from good-catch discovery: Approaches to analyze reported incidents	Bruce Thomadsen, USA
<b>18.00 - 19.00</b>	<b>Cultural program: Theme - Our India Our Pride</b>		
<b>19.30 - 22.30</b>	<b>Dinner at CIDCO Exhibition Lawn &amp; Convention Centre Lawn, Sector 30A, Vashi, Navi Mumbai 400703</b>		

**Scientific Program: Day 1, Wednesday, 6<sup>th</sup> December 2023 HALL B**

<b>Time</b>	<b>Presentation ID/ Abstract ID</b>	<b>Title of the talk</b>	<b>Chairperson/ Moderator/ Speaker</b>
<b>11:15 to 12:15</b>		<b>Scientific Session 3: Innovations in Nuclear Medicine Imaging</b>	<b>A. K. Shukla, India</b>
11.15 - 11.35	<b>I-03</b>	<b>First positronium imaging of humans using modular J-PET scanner</b>	<b>Pawel Moskal, Poland</b>
11.35 - 11.45	O-007/ B7540	Establishment of Local Diagnostic Reference Levels for Adult 18-F FDG-Whole-Body PET/CT Examination at SQCCRC Muscat Oman	Noura A L Makhmari, Oman
11.45 - 12.05	O-008/ H3381	99mTc-MDP bone scan image denoising using trimmed mean filter.	Abhishek Kumar Karn, India
12.05 - 12.15	O-009/ N4020	AI methods to improve performance of a portable Hybrid Gamma-Optical Camera (HGC) for nuclear medicine	Yangfan Jiang, UK
<b>12:15 to 13:15</b>		<b>Scientific Session 4: Radiation Protection in Medical Imaging</b>	<b>Lalit Agarwal, India</b>
12.15 - 12.35	<b>I-04</b>	<b>Estimation of Patient Skin Dose in Fluoroscopy (Joint TG Report - AAPM &amp; EFOMP)</b>	<b>Kalpna Kanal, USA</b>
12.35 - 12.55	O-010/ N1530	Impact of Physical Characteristics of Photon-Counting Detectors on CT Image Quality: A Comparative Study between in-House CdTe- and CZT-based Virtual Photon-Counting CT Scanners	Mridul Bhattarai, USA
12.55 - 13.05	O-011/ U9275	Towards Dosimetry Formalism for Three-Dimensional Rotational Angiography (3DRA): Monte Carlo Simulation and Direct Measurements	Akbar Azzi, Indonesia
13.05 - 13.15	O-012/ X9688	Display of blood flow direction and blood flow velocity by Flow CT image	Katsumi Tsujioka, Japan
<b>13.15 - 14.00</b>		<b>Lunch &amp; Social Time</b>	
<b>14.00 - 15.00</b>		<b>Scientific Session 5: Radiotherapy Dosimetry</b>	<b>Challapali Srinivas, India</b>
14.00 - 14.20	<b>I-05</b>	<b>Advantages and limitations of available dosimeters for radiotherapy</b>	<b>K M Ganesh, India</b>
14.20 - 14.30	O-013/C 3702	Feasibility of In Vivo Dosimetry for Adaptive Radiotherapy Assessment in Head and Neck Cancer Patients.	Parimal Patwe, India
14.30 - 14.40	O-014/N7472	Role of exit fluence acquiring and analysis in Halcyon	Pooja Moundekar, India
14.40 - 14.50	O-015/A5741	The Evaluation of Contour, Dose and Position of Heart in Thorax Region for Cancer Radiation Therapy	Nuttawut Yeenang, Thailand
<b>15.00 - 16.00</b>		<b>Scientific Session 6: Advances in Radiosurgery</b>	<b>Jibon Sharma, India</b>
15.00 - 15.20	<b>I-06</b>	<b>Clinical implementation of cardiac radiosurgery for ventricular tachycardia</b>	<b>V Subramani, India</b>
15.20 - 15.30	O-016/ D2617	Dosimetric Comparison of Glioblastoma Brain Volumetric Modulated Arc Therapy patients with different calculation grid sizes in Eclipse Treatment Planning System.	Krishna Chandrasekar, India
15.30 - 15.40	O-017/ F9163	Impact of Hippocampus Dosimetry Parameters on Neurocognitive Function in Prophylactic Cranial Irradiation	Suryakanta Acharya, India
15.40 - 15.50	O-018/ B1208	Planning layout and Equivalent Uniform Dose measures in High Dose Lattice Therapy to large and locally advanced bladder cancer	Bhagyalakshmi AT, India

16.00-16.15	Tea Break		
16.15 - 17.10	Scientific Session 7: Radiotherapy and Radiobiology		Rajesh Vashishtha, India
16.15 - 16.35	I-07	Re-irradiation in Head & Neck Cancers: Radiobiological Considerations	Manoj Gupta, India
16.35 - 16.55	I-08	Personalized ultra high dose stereotactic adaptive radiotherapy: Immuno radiobiological aspects of unconventional radiotherapy treatment model	T. S. Kehwar, India/USA
16.55 - 17.05	O-019/D9811	Radiobiology for personalized radiotherapy of early and intermediate prostate cancer	Zine El Abidine Chaoui, Algeria
17.10 - 18.10	Special Symposium 3: Contribution of Medical Physics Education and Training to the Improvement of Cancer Control Strategies: Developing Vs Developed Countries		Eva Bezak/ Arun Chougale
17.10 - 17.30	S-11	IOMP Medical Physics Workforce Survey 2022	Eva Bezak, Australia
17.30 - 17.50	S-12	Medical Physics Education and Training Across the Globe with Special Reference to AFOMP Region	Arun Chougale, India
17.50 - 18.10	S-13	FAMPO's Role in Education, Training and Recognition of Medical Physicists in Africa	Francis Hasford, Ghana Chris T, South Africa

### Scientific Program: Day 1, Wednesday, 6<sup>th</sup> December 2023 **HALL C**

Time	Presentation ID/ Abstract ID	Title of the talk	Chairperson/ Moderator/ Speaker
11.15 - 12.15	Scientific Session 8: Modelling & Simulation in Radiotherapy		T. Palani Selvam, India
11.15 - 11.35	I-09	TCP & NTCP modelling	Arun Oinam, India
11.35 - 11.45	O-020/ D1032	Development of Collapsed Cone Dose Calculation Algorithm for Bhabhatron-II Telecobalt Machine	Sai Sirisha Nadiminti, India
11.45 - 12.05	O-021/ H7164	Assessment of treatment planning and dosimetric uncertainties in hip prosthesis cases on Tomotherapy	Pawan Kumar Singh, India
12.05-12.15	O-022/ I1850	Investigating the effect of contrast agents on dose calculation of intensity-modulated radiotherapy plans for head and neck cancer	Nidhi Jain, India
12.15 to 13.15	Scientific Session 9: Radiation Biology		Apurba Kabasi/Rajadurai, India
12.15 - 12.35	I-10	Radiation-induced bystander effect	Amit Kumar, India
12.35 - 12.55	O-023/ E6313	Radiation Dose Enhancement Effects on Pancreatic Cancer Cells by Ultrasound-Stimulated Microbubbles	Masao Nakayama, Japan
12.55 - 13.05	O-024/ M9190	Investigating the effect of radiotherapy and sonodynamic therapy in the presence of apigenin-coated gold nanoparticle on breast cancer cells	Zeinab Hormozi Moghaddam, Iran
13.05 - 13.15	O-025/ R3849	To assess the dosimetry properties of N-isopropyl acrylamide (NIPAM) gel with X-ray CT readout modality for three dimension relative dose measurement in radiotherapy	D N Singh, India
13.15 - 14.00	Lunch & Social Time		
14.00 - 14.50	Scientific Session 10: Dosimeters for Radiation Protection and Radiotherapy		M. S. Kulkarni, India

14.00 - 14.10	O-026/ S6166	Development of thin CaSO <sub>4</sub> : Dy embedded Teflon discs based TLD system for Personnel Monitoring	Suresh Pradhan, India
14.10 - 14.20	O-027/ R6866	Radioluminescent Dosimeter with Time-Division Multiplexing for Radiotherapy Application	Janatul Madinah Wahabi, Malaysia
14.20 - 14.30	O-028/ G8735	Analyse the performance of the upgraded positive ion detector as a gas sensor	Dharshini S, India
14.30 - 14.40	O-029/ O6970	Characterization and Dosimetric Evaluation of a Liquid-Filled Array Detector for Fluence Verification: Comparison with Air-Filled Array Detector	Beneeta Sukumar, India
<b>14.50 - 15.45</b>	<b>Scientific Session 11: Radiation Sources and Radiotherapy</b>		<b>Deepak Arora, India</b>
14.50 - 15.10	<b>I-11</b>	<b>Production of Radiopharmaceuticals for Diagnostic and Therapeutic Application in India</b>	<b>Sudipta Chakraborty</b>
15.10 - 15.20	O-030/ U6782	Second cancer risk to Contra-lateral Breast after single-sided Breast IMRT	Shatabdi Chakrabarty, India
15.20 - 15.30	O-031/ S4252	Evaluation of dosimetric characteristics of 10 MV flattened and unflattened photon beam in Truebeam STx Linear accelerator	Rajadurai E, India
15.30 - 15.40	O-032/ C2807	Implementation of the Volumetric Modulated Arc Therapy based TBI: The Experience and Procedure at FV Hospital, Vietnam	Tran Duong, Vietnam
<b>15.45 - 16.10</b>	<b>Tea Break</b>		
<b>16.10 - 17.15</b>	<b>Scientific Session 12: Poster Rapporteur - I</b>		<b>Arvind Shukla, India</b>
16.10 - 16.25	Rapporteur 1	Posters 001 to 025	R K Bhisht, India
16.25 - 16.40	Rapporteur 2	Poster 026 to 050	N Gopishankar, India
16.40 - 16.55	Rapporteur 3	Posters 051 to 075	Rajni Verma, India
16.55 - 17.10	Rapporteur 4	Posters 076 to 100	Mary Joan, India

**Scientific Program: Day 2, Thursday, 7<sup>th</sup> December 2023 HALL A**

6.15 - 7.00	Yoga Session (Lawn of DAE convention centre)		
Time	Presentation ID/ Abstract ID	Title of the talk	Chairperson/ Moderator/ Speaker
8.00 - 8.55	<b>IOMP-IAEA Joint Session: Artificial Intelligence (AI) in Medical Physics</b>		<b>John Damilakis &amp; M. Carrara</b>
8.00 - 8.25	J-1	AI in medical physics and radiation oncology	M Carrara, IAEA/Italy
8.25 - 8.50	J-2	AI in medical physics and imaging	John Damilakis, Greece
<b>9.00 – 10.15</b>	<b>Special Symposium 4: Emergence of MR-Linac for Adaptive Radiation Therapy (RT)</b>		<b>Indra Das, USA</b>
9.00 - 9.20	S-14	Emergence of MR-Linac for Adaptive Radiation Therapy	Indra Das, USA/India
9.20 - 9.40	S-15	Clinical workflows and impact of MR Linac in Adaptive RT	Poonam Yadav, India/USA
9.40 - 10.00	S-16	MR Linac Quality Assurance	Bhudatt Paliwal, USA
10.00 - 10.15	S-17	Adaptive Radiotherapy by MR-Linac: Indian Experience	Sai Shanmugam, India
<b>10.15 - 10.30</b>	<b>Tea Break</b>		
<b>10.30 - 11.10</b>	<b>Plenary Session 2: AMPI Ramaiah Naidu Memorial Oration</b>		<b>Sunil Dutt Sharma/ V Subramani</b>
10.30 - 10.35	Introduction about Ramiah Naidu Memorial Oration Award and Presentation of Award Certificate		Sunil Dutt Sharma, President, AMPI
10.35 - 11.05	P-4	Harnessing Radiotherapy Data for Quality Care and Outcome Research	Jatinder R Palta, USA
11.05 - 11.10	Presentation of silver plaque and vote of thanks		V Subramani, Secretary, AMPI
<b>11:15 to 12:15</b>	<b>Scientific Session 12: Dosimetry Audits in Radiotherapy</b>		<b>R Ravichandran, India</b>
<b>11.15 - 11.50</b>	<b>I-12</b>	<b>IAEA on Dosimetry Audit in Radiotherapy</b>	<b>Mauro Carrara, IAEA/Italy</b>
<b>11.50- 12.15</b>	<b>I-13</b>	<b>Dosimetry Audit in Radiotherapy- Indian scenario</b>	<b>Sunil Dutt Sharma, India</b>
<b>12:15 to 13:15</b>	<b>Scientific Session 13: Advance photon beam therapy</b>		<b>K J Maria Das, India</b>
12.15 - 12.35	<b>I-14</b>	<b>AAPM TG 178 recommendations on Imaging dose in CT &amp; CBCT in radiotherapy</b>	<b>George X Ding, USA</b>
12.35 - 12.45	O-033/ R7610	Enhancing Dose Measurement Accuracy in Single Isocentre Multiple Targets SBRT: An Analysis of In-Phantom Rotation Measurements with myQA SRS	Dinesan C, India
12.45 - 12.55	<b>O-034/</b>	<b>Simulation of stereotactic cranial radiosurgery guided by functional magnetic resonance</b>	<b>Luis Alfredo Ancari, Argentina</b>
12.55 - 13.05	O-035/ C5864	Clinical evaluation of deep learning-assisted automatic radiotherapy treatment planning for lung cancer	Ningyu Wan, China
<b>13.15 - 14.00</b>	<b>Lunch &amp; social time</b>		
<b>14.00 to 15.00</b>	<b>Technical Session - 1</b>		<b>Vegraj Singh, India</b>
14.00 - 14.15	T-1	Varian	
14.15 - 14.30	T-2	Elekta	
14.30 - 14.40	T-3	PTW	
14.40 - 14.50	T-4	Per Fraction Automatic In-Vivo Monitoring	Jesus Fernandez, Sun Nuclear Corp

14.50 - 15.00	T-5	Accuray	
<b>15.00 - 16.00</b>	<b>Scientific Session 14: Brachytherapy Dosimetry</b>		<b>Shinji Kawamura, Japan</b>
15.00 - 15.20	<b>I-15</b>	<b>The need for implementing model-based dosimetry in Brachy: AAPM TG 186 recommendations</b>	<b>Mandar Bhagwat, USA/India</b>
15.20 - 15.30	O-036/ Y2124	Dosimetric comparison of BARC and BEBIG round type Ru-106 eye plaque source used in treatment of ocular cancer	Rajesh Kumar, India
15.30 - 15.40	O-037/ A7003	Design, development and characterization of homogeneous spherical graphite cavity ionization chamber as ionometric reference standard for strength determination of high dose rate brachytherapy sources	Sudhir Kumar, India
15.40 -15.50	O-038/ F1794	A novel mathematical expression for estimating Ir-192 source dwell times by utilizing Co-60 source dwell times in optimized brachytherapy plans	Devaraju Sampathirao, India
<b>16.00 – 16.15</b>	<b>Tea Break</b>		
<b>16.15 -17.10</b>	<b>Scientific Session 15: Artificial Intelligence and Automation Process</b>		<b>PBLD Prasad/ A Sathish Kumar, India</b>
16.15 - 16.35	<b>I-16</b>	<b>Automation in High Dose Rate Gynaecological Brachytherapy - The Tygerberg hospital experience</b>	<b>Chris T, South Africa</b>
16.35 - 16.45	O-039/ R9357	Learning and Predicting the Radionuclide Composition from Simulated Plastic Scintillator Gamma Spectra using an Artificial Neural Network (ANN)	Pratip Mitra, India
16.45 - 16.55	O-040/ H3663	Evaluating the Potential Dosimetric Benefits of an Artificial Intelligence based Online Adaptive Workflow utilizing Ethos Treatment System for Pelvic Carcinomas	Bijina T K, India
16.55 - 17.05	O-041/ X6543	AI Enabled Phosphor Imaging System for Biomedical Applications	Ratnesh S Sengar, India
<b>17.10 - 18.10</b>	<b>Special Symposium 5: The Next Generation Cancer Treatments - The role of genomics and Artificial Intelligence</b>		<b>A. K. Rath, India</b>
17.10 - 17.30	S-18	Unraveling the genomic profiles of radioresistant tumors to identify predictive biomarkers for therapy response	K R Muralidhar, India
17.30 - 17.50	S-19	Harnessing the power of AI in radiotherapy with caution	Dinesh Tawatia, India/USA
17.50 - 18.10	S-20	Current practices in radiation oncology and its drawbacks and scope for future developments	N P Patel, India
<b>18.15 - 18.45</b>	<b>Evening Lecture: Quantum Physics of Life</b>		<b>D. K. Aswal, India</b>
<b>19.30 - 22.30</b>	<b>Dinner at The ACRES Club Lawn, Hemu Kalani Marg, Chembur, Mumbai 400071</b>		

**Scientific Program: Day 2, Thursday, 7<sup>th</sup> December 2023 HALL B**

<b>6.15 - 7.00</b>	<b>Yoga Session (Lawn of DAE convention centre)</b>		
<b>Time</b>	<b>Presentation ID/ Abstract ID</b>	<b>Title of the talk</b>	<b>Chairperson/ Moderator/ Speaker</b>
<b>8.00 - 8.55</b>	<b>IOMP School: Advanced Imaging (DECT &amp; Perfusion CT) utility in RT Treatments</b>		<b>M Mahesh, USA/Eva Bezak, Australia</b>
<b>9.00 - 10.00</b>	<b>Special Symposium 6: Advancements in Nuclear Medicine: Revolutionizing Therapy Diagnosis and Treatment</b>		<b>P Tandon /S Somanesan/S Kheruka</b>
9.00 - 9.20	S-21	Targeted Alpha Therapy: A Revolutionary Approach to Cancer Treatment	Pankaj Tandon, India
9.20 - 9.40	S-22	Vital Role of Medical Physicists in Quantitative Analysis in Nuclear Medicine	Subhash Kheruka, Oman
9.40 - 10.00	S-23	Advancement in Detector Technology and Quality Management in Theragnostics Services Delivery	Somanesan, Singapore
<b>10.00 - 10.15</b>	<b>Tea Break</b>		
<b>11.15 - 12.15</b>	<b>Scientific Session 16: Advances in Radiation Oncology</b>		<b>C. Ramakrishna Rao, India</b>
11.15 - 11.35	<b>I-17</b>	<b>Flash Radiotherapy Dosimetry – A review</b>	<b>Paul Ravindran, India</b>
11.35 - 11.45	O-042/ T2042	On-site source strength verification of HDR brachytherapy sources	Ankit Srivastava, India
11.45 - 11.55	O-043/ R1544	Dosimetric analysis of indigenously developed SENFLAP tissue equivalent bolus with imported bolus and wax bolus	Nandhini Muruges, India
11.55 - 12.05	<b>O-044</b>	Surface-guided radiation treatment (SGRT) system	Debabrata Bhowmik, C-Rad
<b>12:15 - 13:15</b>	<b>Scientific Session 17: Newer Approaches in Radiation Oncology</b>		<b>J. Velmurugan, India</b>
12.15 - 12.35	<b>I-18</b>	<b>Development of O-18 enriched water for Clinical application</b>	<b>A R Dusane, India</b>
12.35 - 12.55	O-045/ D5004	Quality Control Tool for Patient Flow Optimization at Mayo Clinic Florida	Sridhar Yaddanapudi, USA
12.55 - 13.05	O-046/ I7895	Development of tissue equivalent materials for applications in Medical Physics	Reena Sharma, India
13.05 - 13.15	O-047/ N2071	Regional Variation of Cancer Incidence in Nepal	Rudra Prasad Khanal, Nepal
<b>13.15 - 14.00</b>	<b>Lunch &amp; Social time</b>		
<b>14.00 - 14.55</b>	<b>Scientific Session 18: Radiosurgery and 3D Radiotherapy</b>		<b>M Rajasekar, India</b>
14.00 - 14.20	<b>I-19</b>	<b>Photon target to patient target - A walk through on SRS/SRT QA</b>	<b>S. Chitra, India</b>
14.20 - 14.30	O-048/ X1086	Optimal beam choice of mono-isocentric stereotactic radiotherapy for multiple brain metastasis: A dosimetry comparison between 6X-SRS and 6XFFF beam	Priyanka Agarwal, India
14.30 - 12.40	O-049/ T9353	The impact of cranioplasty implants in Stereotactic Radiotherapy: A comparison of Commercial treatment planning system versus Monte Carlo calculations	Sumeesh S, India



14.40 - 14.50	O-050/	Dosimetric impact of grid size and statistical uncertainty on Monte Carlo algorithm in VMAT planning with Monaco TPS for single lesion brain stereotactic radiotherapy	Akhtaruzzaman, Bangladesh
15.00 - 15.55	<b>Scientific Session 19: Technological advances in Medical Imaging - 1</b>		<b>Ajai Srivastava, India</b>
15.00 - 15.20	<b>I-20</b>	<b>Radiation Protection in Nuclear Medicine Imaging &amp; Therapy</b>	<b>Sameer Tipnis, USA/India</b>
15.20 - 15.30	O-051/ Y9637	Synchrotron radiation based X-ray imaging for medical research	Yogesh Kashyap, India
15.30 - 15.40	O-052/ X8314	CT-based delta-radiomic in discrimination of benign and malignant pulmonary nodules	Wenlong Li, China
15.40 - 15.50	O-053/O7615	Are dual-and single-energy CT acquisition protocols for pediatric thorax imaging equivalent regarding radiation exposure?	Kostas Perisinakis, Greece
16.00 - 16.50	<b>Special Symposium 7: Applications of Machine Learning and AI in Cancer Radiation Treatment</b>		<b>Indra Das, USA</b>
16.00 - 16.25	S-24	Artificial Intelligence and Machine Learning in Treatment Planning and Quality Assurance	Indra Das, USA/India
16.25 - 16.45	S-25	Clinical Applications of Artificial Intelligence for Radiotherapy Quality Assurance	Xince Jin, China
16.45 - 17.45	<b>IOMP School: Utility of DRLs in Dose Optimization and Clinical DRLs</b>		<b>Kalpna Kanal, Paddy Gillin and M Mahesh</b>

**Scientific Program: Day 2, Thursday, 7<sup>th</sup> December 2023 HALL C**

6.15 - 7.00	<b>Yoga Session (Lawn of DAE convention centre)</b>		
<b>Time</b>	<b>Presentation ID/ Abstract ID</b>	<b>Title of the talk</b>	<b>Chairperson/ Moderator/ Speaker</b>
11.15 - 12.15	<b>Scientific Session 20: Technological advances in Medical Imaging - 2</b>		<b>K Chithra</b>
11.15 - 12.15	O-054/ A8148	Integrating Models with Radiomic Features Clinical Factors and Serum Markers in the Differentiation Benign and Malignant Pulmonary Nodules	Heng Li, China
11.15 - 11.35	O-055/ N2606	MRI imaging for Metastatic Lesions using MR Spectroscopy-based Metabolite Ratio Analysis	Alamgir Hossain, Bangladesh
11.35 - 11.45	O-056/ Q8467	An Arduino-Based Distance Sensor for Remote Deep Inhale Breath Hold Training	Rohit Inippully, Oman
11.45 - 12.05	O-057/ A5988	CSS Alert -an in-house device designed for the proper positioning of CSS in the Cath-lab room	Sajeesh S Nair, India
12:15 to 13:15	<b>Scientific Session 21: Artificial Intelligence and Medical Imaging</b>		<b>S. K. Koul, India</b>
12.15 - 12.35	<b>I-21</b>	<b>A paradigm shift in medical diagnostics: The machine learning era</b>	<b>Anuj Tyagi, India</b>
12.35 - 12.55	O-058/ X-6042	Radiomic Signatures for Diagnosing Benign and Malignant Abnormalities in X-ray Mammograms	Arita Halder, India
12.55 - 13.05	O-059/ D7655	Imaging harmonization with deep learning for ultrasound images based radiomics	Xiance Jin, China
13.05 - 13.15	O-060/ R7924	Prediction and Correlation of Gamma Passing Rates with Complexity Metrics Using Machine Learning Techniques for Intensity-modulated Radiation Therapy	Dinesh Saroj, India

<b>13.15 - 14.00</b>		<b>Lunch &amp; social time</b>	
<b>14.00 - 15.00</b>	<b>Scientific Session 22: SBRT and Innovations in RT</b>		<b>Henry Finlay, India</b>
14.00 - 14.10	<b>I-22</b>	<b>The technical hurdles and uncertainties encountered in SBRT for lung treatment-A systematic review</b>	<b>Antoa Vaz, India</b>
14.10 - 14.20	O-061/ P2884	Development of a 3D-printed heterogeneity phantom for enhanced patient-specific dosimetry for hypo fractionated radiotherapy	Ashish Binjola, India
14.20 - 14.30	O-062/ K3671	Split Jaw techniques in VMAT: Dosimetric impact of Jaw tracking method for extended target volumes of head and neck cancers	Marimuthu Boopathi, India
14.30 - 14.40	O-063/ B5127	Clinical Implementation of Hybrid Solitary Dynamic Portal Planning technique for Post-mastectomy Radiotherapy with Versa HD Linear Accelerator	K Mohamathu Rafic, Bangladesh
<b>15.00 - 16.00</b>	<b>Scientific Session 23: Quality Assurance and Dosimetry in Medical Imaging</b>		<b>Krishna Reddy, India</b>
15.00 - 15.20	<b>I-23</b>	<b>Mammo QC - Comparative Analysis of QC tests for Hologic and Siemens Mammography 3D systems</b>	<b>S. Guruprasad, USA/ India</b>
15.20 - 15.30	O-064	Contrast-calibrated photon-counting X-ray computed tomography using a cadmium telluride flat panel detector with high spatial resolutions	Jiro Sato, Japan
15.30 - 15.40	O-065/ W1291	Skin reactions associated with fluoroscopic interventional procedures in relation with equipment displayed dose parameters	Dharuman Vadive, India
15.40 -15.50	O-066/ E5704	Quick Quality Assurance program in an engaged diagnostic radiology department: An introduction to the frequent but short	Sanal Narayanan, India
<b>15.55 - 16.15</b>	<b>Tea Break</b>		
<b>17.15 - 18.15</b>	<b>Poster Rapporteur- Poster Nos. 101 to 200</b>		<b>Bharanidharan, India</b>
17.15 - 17.30	Rapporteur 1	Posters 101 to 125	Ranjana Bansal, India
17.30 - 17.45	Rapporteur 2	Poster 126 to 150	Amanjot Kaur, India
17.45 - 18.00	Rapporteur 3	Posters 151 to 175	Kuldeep Jadhav, India
18.00 - 18.15	Rapporteur 4	Posters 176 to 200	Rahul Phansekar, India

**Scientific Program: Day 3, Friday, 8<sup>th</sup> December 2023 HALL A**

6.15 - 7.00	Yoga Session (Lawn of DAE convention centre)		
Time	Presentation ID/ Abstract ID	Title of the talk	Chairperson/ Moderator/ Speaker
8.00 - 8.55	<b>IOMP-IRPA Joint Session on Radiation Safety Culture in Healthcare</b>		<b>John Damilakis, Greece; Claire-Luise Chapple, UK</b>
8.00 - 8.20	J-3	Radiation Safety Culture in Healthcare: The IRPA's viewpoint	Bernard Le Guen, France
8.20 - 8.40	J-4	Radiation Safety Culture in Healthcare: IOMP's Viewpoint	Magdalena Stoeva, Bulgaria
8.40 - 8.55	----	Discussion	All
<b>9.00 - 10.00</b>	<b>Special Symposium 8: Imaging Dose Optimization in Cancer Treatment</b>		<b>M Mahesh, USA</b>
9.00 - 9.20	S-26	Overview of imaging procedures during cancer treatment	Mahesh, USA
9.20 - 9.40	S-27	Radiation dose assessments from imaging procedures	George Ding, USA
9.40 - 10.00	S-28	Imaging dose to paediatric patients in nuclear medicine, radiotherapy and diagnostic reference levels	Saravana Kumar, India
<b>10.00 - 10.25</b>	<b>Tea Break</b>		
<b>10.25 - 11.15</b>	<b>Plenary Session 3:AFOMP Kiyonari Inamura Memorial Oration 2023</b>		Eva Bezak, Australia and Shigekazu Fukuda, Japan
10.25 - 10.30	Introduction		Eva Bezak, Shigekazu Fukuda
10.30 - 11.00	P-5	The Role of the Medical Physicist in Health Technology Assessment	Agnette Peralta, Philippines
11.00 - 11.10	Discussion and certificate presentation		Eva Bezak, Shigekazu Fukuda
<b>11:15 to 12:15</b>	<b>Scientific Session 24: AMPI Best Oral Paper</b>		<b>Suresh Chaudhary/ S. Karthikeyan, India</b>
11.15 - 11.25	O-067/ W6738	In-House Fabrication of an Ergonomic Prone Breast Board as an Innovation In Medical Physics for better delivery of Radiation Therapy in Early stage Breast Carcinoma	Misba Hamid, India
11.25 - 11.35	O-068/ K2798	Assessment of safety culture in radiotherapy facilities using Safety Performance Indicator (SPI): The Indian experience	Smriti Sharma, India
11.35 - 11.45	O-069/ W8931	Optimization of target beam and degrader foil parameters for <sup>64</sup> Cu production using solid targetary system of a medical cyclotron	Sukhvir Singh, India
11.45-11.55	O-070/ M4104	Evaluating the feasibility of using utilized Aquaplast/thermoplastic masks as a custom made in-house bolus	Lavanya Murugan, India
11.55- 12.05	O-071/ Q8940	An Integrated Monte Carlo Decision Tree Model for Predicting Life Expectancy Based on Dosimetry Quality in Radiotherapeutic Treatment of Glioblastoma Multiform	Praveen Kumar, India
<b>12:15 to 13:15</b>	<b>Technical Session - 2</b>		<b>Ramesh Desai, India</b>
12.15 - 12.25	T-6	OncoTech	
12.25 - 12.35	T-7	Panacea	

12.35 - 12.45	T-8	IBA	
12.45 - 12.55	T-9	Team Best	
12.55 - 13.05	T-10	Ray Dose/ Oregon Health	
13.05 - 13.15	T-11	RIT/Bergen	
<b>13.15 - 14.00</b>	<b>Lunch &amp; social time</b>		
<b>14.00 - 14.55</b>		<b>Debate: Will AI Replace Clinical Medical Physicists?</b>	<b>Moderators : Anil Sharma, USA/M Mahesh, USA</b>
14.00 - 14.55	<b>Panelists:</b> A.K. Rath, Sai Subramanian, Biplap Sarkar, Suresh Chaudhary		
<b>14.55 - 15.50</b>		<b>Debate : Harmonization in Certification of Medical Physicist is Required?</b>	<b>Moderators: Manju Sharma, USA/ Sunil Dutt Sharma, India</b>
14.00 - 14.55	<b>Panelists:</b> Bruce Thomadsen, Paul Ravindran, Hasin Anupama Azhari, C. P. Bhatt		
<b>15.50 -16.05</b>	<b>Tea Break</b>		
<b>16.05 -17.00</b>	<b>Special Symposium 9: United Nations Scientific Committee on Effects of Atomic Radiation (UNSCEAR)</b>		<b>Borislava / S K Jha</b>
16.05 - 16.25	S-29	UNSCEAR - Role, mandate and programme of work	Borislava, UNSCEAR
16.25 - 16.40	S-30	India's contribution to the work of UNSCEAR	Sanjay Kumar Jha, India
16.40- 17.00	----	Panel Discussion	All
<b>17.00-17.55</b>	<b>Special Symposium 10: Writing and reviewing the manuscripts for publication in a peer reviewed journal</b>		<b>T Ganesh/Manoj Semwal</b>
17.00 - 17.20	S-31	The right way of preparing a manuscript	Nobuyuki Kanematsu, Japan
17.20 - 17.40	S-32	The right way of reviewing a manuscript	T Ganesh, India
17.40 - 17.55	----	Panel Discussion: How to increase the chance of publishing a manuscript? -	Nobuyuki Kanematsu, Sunil Dutt Sharma, T Ganesh, Manoj Semwal
<b>18.00 - 19.00</b>	<b>AMPI General Body Meeting</b>		
<b>19.30 - 22.30</b>	<b>Dinner at Imperial Banquets, Raghuleela Mega Mall, Vashi, Navi Mumbai 400703</b>		

**Scientific Program: Day 3, Friday, 8<sup>th</sup> December 2023 HALL B**

<b>6.15 - 7.00</b>			
<b>Yoga Session (Lawn of DAE convention centre)</b>			
<b>Time</b>	<b>Presentation ID/ Abstract ID</b>	<b>Title of the talk</b>	<b>Chairperson/ Moderator/ Speaker</b>
<b>8.00 - 8.55</b>	<b>CMPI Teaching Course</b>		<b>T Ganesh/ M Ravikumar</b>
9.00 - 9.55	<b>Special Symposium 11: Growing careers in medical physics</b>		Jemimah Eve/ Claire-Louise Chapple, UK
9.00 - 9.20	S-33	Training, development and professionalism for medical physicists	Jemimah Eve, UK
9.20 - 9.40	S-34	Empowering Medical Physics Globally: Key Initiatives of AAPM's International Council (IC)	Manju Sharma, USA
9.40 - 9.55	----	Panel Discussion	All
<b>10.00 - 10.15</b>	<b>Tea Break</b>		
<b>11.15 - 12.15</b>	<b>Scientific Session 25: Particle Therapy</b>		<b>Taweap S, Thailand</b>
11.15 - 11.35	<b>I-24</b>	<b>Current Status of Heavy Ion Therapy</b>	<b>Shigekazu Fukuda</b>
11.35 - 11.45	O-072/ G4999	Development and validation of machine learning approach for predicting proton therapy beam spot characteristics	Ranjith C P, India
11.45 - 11.55	O-073/ C5272	Modeling and Comparative Analysis of FLASH Radiotherapy for Head and Neck Cancer and Lung Cancer: Proton Therapy and Heavy Particle Beams	Erato Stylianou Markidou, Cyprus
11.55-12.05	O-074/ R2310	Dosimetric Study of a High-Energy Proton Therapy System	Abdelkrim Zeghari, Morocco
<b>12:15 to 13:15</b>	<b>Scientific Session 26: Artificial Intelligence and Automation Processes</b>		<b>Probal Chaudhury, India</b>
12.15 - 12.35	<b>I-25</b>	<b>AI algorithm for auto segmentation of OAR based on deep image-image network</b>	<b>Suresh Chaudhary</b>
12.35 - 12.55	O-075/ B8418	Automation in EBRT for Cervical Cancer using Knowledge Based Planning: Multi-Centric Validation and Global Applicability	Jeevanshu Jai, India
12.55 - 13.05	O-076/ S1906	Combined radiomics and dosiomics in the prediction of treatment response for patients of brain metastases treated by stereotactic radiotherapy	Ji Zhang, China
13.05 - 13.15	O-077/ A8320	A self-supervised 3D U-Net based auto-contouring tool for OAR segmentation on head and neck CT images	Niyas Puzhakkal, India
<b>13.15 - 14.00</b>	<b>Lunch &amp; social time</b>		
<b>14.00 - 14.45</b>	<b>Scientific Session 27: Sustainable Healthcare implementation and support in health services of LMI countries</b>		<b>B. K. Sapra, India</b>
14.00 - 14.15	O-078/ R5048	Collaboration with AAAPM through the Network of Global Representatives	Eugene Lief, USA
14.15 - 14.30	O-079/ E9290	WORLD of Medical Physics: A Website of Open Resources for Learning and Development of Medical Physicists for Radiation Oncology Medical Physics Residents	Parminder Basran, Canada
14.30 - 14.45	O-080/J2197	Determining and Prioritizing Needs of LMI Countries by AAAPM	Eugene Lief, USA

<b>14.50 - 15.50</b>	<b>Scientific Session 28: Innovations in Biomarkers and Radiopharmaceuticals</b>		<b>Siva Sarasanandarajah, Australia</b>
14.50 - 15.10	<b>I-26</b>	<b>Testing positronium biomarker in preclinical and clinical studies</b>	<b>Ewa Stepień</b>
15.10 - 15.20	O-081	Cancer visualization using gadobutrol-glucose solution and 7.0T magnetic resonance imaging	Eiichi Sato, Japan
15.20 - 15.30	O-082/P3582	Application of Failure Mode and Effect Analysis to Medical Emergency Management in High-Dose Iodine Therapy	Jayadevan P M, India
15.30 - 15.40	O-083/ H7959	Medical Cyclotron Facility: Best Practices and Lessons Learned	Dilshad Kottuparamban, India
<b>15.50 - 16.15</b>	<b>Tea Break</b>		
<b>16.15 - 17.05</b>	<b>IOMP School: Radiation Dose &amp; Radiation Biology</b>		<b>Madan Rehani/M Mahesh, USA Nagesh Bhatt, India</b>
<b>17.10-18.10</b>	<b>Special Symposium 12: Insight into Current State and Challenges of MP Practice through International Surveys</b>		<b>Stephanie Parker/Simone Kodlulovich Renha/ M. Mahesh</b>
17.10 - 17.30	S-06	Causes of radiotherapy incidents and what safety barriers to use – Analysis from the IAEA SAFRON system	Ola Holmberg, IAEA/Sweden
17.30 - 17.50	S-35	Insight into Medical Physics Practice in LMICs through a Survey of Departmental and Institutional Leaders-	Stephanie Parker, USA
17.50 - 18.10	S-37	Status of Medical Physicists in Diagnostic and Interventional Radiology in Europe	Paddy Gilligan, Ireland

**Scientific Program: Day 3, Friday, 8<sup>th</sup> December 2023 HALL C**

<b>6.15 - 7.00</b>	<b>Yoga Session (Lawn of DAE convention centre)</b>		
<b>Time</b>	<b>Presentation ID/ Abstract ID</b>	<b>Title of the talk</b>	<b>Chairperson/ Moderator/ Speaker</b>
<b>9.00 - 10.00</b>	<b>Special Symposium 13: Total Body Irradiation using different techniques in current Radiotherapy practice</b>		<b>NVN Madhusudan Sresty/ T Anil Kumar</b>
9.00 - 9.20	S-40	Total Body Irradiation with extended SSD and VMAT techniques	Biplab Sarkar, India
9.20 - 9.40	S-41	Total Body Irradiation with Tomotherapy	Madhusudhana Sresty, India
9.40 - 10.00	S-42	Planning, Dosimetry validation and clinical implementation of TMLI as a containing regimen using VMAT	Reena Ph, India
<b>11.15 - 12.15</b>	<b>Scientific Session 29: Patient Specific QA and Dosimetry</b>		<b>Shobha Jayaprakash/ E. Vardharajan, India</b>
11.15 - 11.35	<b>I-27</b>	<b>Patient specific QA: Challenges &amp; solution</b>	<b>Saju Bhasi, India</b>
11.35 - 11.45	O-084/ W7193	ABS cuboid phantom for dosimetry audit of advanced radiotherapy	Nitin Kakade, India
11.45 - 11.55	O-085/ N8281	Advancing Radiation Therapy: 3D Printing for Pre-Treatment SBRT Plan Verification and Brachytherapy Applicator Innovation	Arun Krishnan MP, India
11.55 - 12.10	O-086/ E8810	Assessment of Statistical Process Control to set tolerance and action limits for Portal Image based Patient-Specific Quality Assurance	Sumanta Manna

<b>12:15 to 13:15</b>	<b>Scientific Session 30: Regulation and Validation</b>		<b>Bychung Chul, South Korea/ Kalpana Thankur, India</b>
12.15 - 12.35	<b>I-28</b>	<b>Regulation of medical usage of ionizing radiation in India</b>	<b>Ghanshyam Sahani</b>
12.35 - 12.55	O-087/A1929	Effect of modulation factor on pass rates of AAA and Monte Carlo calculated SRT VMAT dose distributions evaluated with in-house 3D portal imaging dosimetry	Sergei Zavgorodni, Canada
12.55 - 13.05	O-088/ U8760	Monte Carlo validation and beam data comparison between experimental Raystation TPS and TOPAS simulation for proton spot scanning	Umesh Gayake, India
13.05 - 13.15	O-089/ Q8940	An Integrated Monte Carlo Decision Tree Model for Predicting Life Expectancy Based on Dosimetry Quality in Radiotherapeutic Treatment of Glioblastoma Multiform	Praveen Kumar C, India
<b>13.15 - 14.00</b>	<b>Lunch &amp; social time</b>		
<b>14.00 - 16.00</b>	<b>Medical Physics Quiz</b>		<b>Quiz Masters:</b>
			<b>Ms Deboleena Mukherjee</b>
			<b>Ms Kalpana Thakur</b>
			<b>Ms Ranjana Agarwal</b>
			<b>Ms Reena Sharma</b>
<b>16.00 -16.15</b>	<b>Tea Break</b>		
<b>17.15-18.15</b>	<b>Poster Rapporteur - Poster Nos. 201 to 300</b>		<b>Vinod Pandey, India</b>
17.15 - 17.30	Rapporteur 1	Posters 201 to 225	Kirti Tyagi, India
17.30 - 17.45	Rapporteur 2	Poster 226 to 250	S Senthil Kumar, India
17.45 - 18.00	Rapporteur 3	Posters 251 to 275	Niyas P, India
18.00 - 18.15	Rapporteur 4	Posters 276 to 300	Teerthraj Verma, India

**Scientific Program: Day 4, Saturday, 9<sup>th</sup> December 2023 HALL A**

<b>6.15 - 7.00</b>			
<b>Yoga Session (Lawn of DAE convention centre)</b>			
<b>Time</b>	<b>Presentation ID/ Abstract ID</b>	<b>Title of the talk</b>	<b>Chairperson/ Moderator/ Speaker</b>
<b>8.00 - 8.50</b>	<b>CMPI Teaching Course</b>		<b>M Ravikumar/ T Ganesh</b>
<b>9.00 - 9.55</b>	<b>Scientific Session 31: Unsealed Source Therapy and Dosimetry</b>		<b>V. K. Dangwal, India</b>
9.00 - 9.20	<b>I-29</b>	<b>Advancement in Unsealed Radioisotope based Therapy in India</b>	<b>Sandip Basu, India</b>
9.20 - 9.30	O-090/ H5710	ESGnrc based Monte Carlo simulation of Ir-192 HDR Flexisource in water and different phantom materials	Jerema Persis Reaiah R, India
9.30 - 9.40	O-091/ B1046	Identification of Cs-137 Beam Quality Correction factor Using Different Methods	Ahmed Maghraby, Egypt
9.40 - 9.50	O-092/ U3427	Radioprotective Effect of Hesperidin/Diosmin Compound Against 99mTc-MIBI-Induced Cardiotoxicity	Fereshteh Koosha, Iran
<b>10.00 - 10.20</b>	<b>Tea Break</b>		
<b>10.20 - 11.00</b>	<b>Plenary Session 4: AMPI Dr. P. S. Iyer Oration Lecture</b>		<b>K Muthuvelu and Sridhar Sahoo, India</b>
10.20 - 10.25	Introduction about Dr P S Iyer Oration		K Muthuvelu
10.25 - 10.55	P-6	Ru-106 Ocular Brachytherapy General, dosimetry, clinical and Safety aspects	K N Govinda Rajan
10.55 - 11.00	Presentation of Silver Plaque and vote of thanks		Sridhar Sahoo
<b>11.05 - 11.55</b>	<b>Scientific Session 32: Radiotherapy Treatment Planning and Dosimetry</b>		<b>D. D. Deshpande/ S. S. Sanaye, India</b>
<b>11.05 - 11.20</b>	<b>I-30</b>	<b>Enhancing Patient-specific QA in VMAT: Integrating plan complexity &amp; dosimetry features with deep learning</b>	<b>Dr. A. Pichandi</b>
11.20- 11.30	O-093/ A7403	End to end testing using anthropomorphic phantom in cyber knife	Sangaiah Ashok Kumar, India
11.30 - 11.40	O-094/A 9434	Evaluation of the efficacy of automated plan generation using Varian Ethos intelligent optimization engine and a comparative analysis with Eclipse Treatment Planning System (TPS) plan	Anand Jadhav, India
11.40 - 11.50	O-095/Y2492	A novel dose-volume histogram (DVH) scoring algorithm for automatic DVH-based patient-specific quality assurance for volumetric modulated arc therapy	Boda Ning, China
<b>12:00 to 12:45</b>	<b>Scientific Session 33: Radiotherapy Dosimetry and QA</b>		<b>Rajib Das, India</b>
12.00 - 12.20	<b>I-32</b>	<b>Halcyon Radiation Therapy - Beyond the Conventions (day 3)</b>	<b>Arun Shiva</b>
12.20 - 12.30	O-101/ I8922	Dosimetric Evaluation of Dual Layer MLC for an O-ring Gantry System	Arvind Kumar, India
12.30 - 12.40	O-102/ M3851	Performance Comparison between different Patient Specific QA systems for VMAT and IMRT plans on Varian TrueBeam	Farheen Kagdi, India
<b>12.45 - 13.15</b>	<b>Valedictory &amp; Closing Ceremony</b>		
<b>13.15 - 14.00</b>	<b>Lunch &amp; social time</b>		



**Scientific Program: Day 4, Saturday, 9<sup>th</sup> December 2023 HALL B**

<b>6.15 - 7.00</b>			
<b>Yoga Session (Lawn of DAE convention centre)</b>			
<b>Time</b>	<b>Presentation ID/ Abstract ID</b>	<b>Title of the talk</b>	<b>Chairperson/ Moderator/ Speaker</b>
<b>8.00 - 8.55</b>	<b>IOMP School: Accreditation &amp; Professional Development (ETC and PRC)</b>		Eva Bezak, Magdalena Stoeva, Arun Chougule and Simone Kodlulovich Renha
<b>9.00 - 10.00</b>	<b>Special Symposium 14: Importance of a unified medical physics syllabus in AFOMP</b>		Hasin Anupama Azhari/ Mary Joan
9.00 - 9.15	S-43	Unified Medical Physics Syllabus for AFOMP	H A Azhari, Bangladesh
9.15 - 9.30	S-44	Review of Medical Physics Curriculum In Japan by JBMP	Hayashi Naoki, Japan
9.30 - 9.45	S-45	Review of Medical Physics Curriculum Malaysian Perspective	Chai Hong Yeong, Malaysia:
9.45 - 10.00	S-46	Medical Physics Curriculum - Indian Perspective	S. D. Sharma, India
<b>10.00 - 10.20</b>	<b>Tea Break</b>		
<b>11.15 - 11.40</b>	<b>Scientific Session 34: Medical Physics Education</b>		<b>P. Raghukumar, India</b>
11.15 - 11.35	O-096/ I6226	Norwegian Partnership Programme for Global Academic Cooperation (NORPART) on Ghana-Norway Collaboration in Medical Physics and Radiography Education	Stephen Inkoom, Ghana
11.35 - 11.45	O-097/ V8119	Education and training of personnel working in secondary standards dosimetry laboratories	Zakithi Msimang, Austria
<b>11:40 - 12:45</b>	<b>Scientific Session 35: Presentations by AFOMP Awardees</b>		Hasin Anupama Azhari, Bangladesh; Aik Hao Ng
11.40 - 11.50	AFOMP Awards		Hasin Anupama Azhari
11.50 - 12.05	AP-1	Lifetime Achievement Award 2023	Jianrong Dai, China
12.05 - 12.15	AP-2	PN Krishnamoorthy Memorial AFOMP Young Achiever Award 2023	Lukmanda Evan Lubis, Indonesia
12.15 - 12.25	AP-3	Golam Abu Zakaria AFOMP Best Young Leadership Award 2023	Noramaliza Mohd Noor, Malaysia
12.25 - 12.35	AP-4	Dr. Udipi Madhvanath Memorial AFOMP Best PhD Award in Radiobiology 2023	Raizulnasuha Binti Ab Rashid, Malaysia
12.35 - 12.45	AFOMP Travel Awards		Hasin Anupama Azhari/ Aik Hao Ng, Malaysia
<b>12.45 - 13.15</b>	<b>Valedictory and closing Ceremony in Hall A</b>		
<b>13.15 - 14.00</b>	<b>Lunch &amp; social time</b>		

**Scientific Program: Day 4, Saturday, 9<sup>th</sup> December 2023 HALL C**

<b>6.15 - 7.00</b>	<b>Yoga Session (Lawn of DAE convention centre)</b>		
<b>Time</b>	<b>Presentation ID/ Abstract ID</b>	<b>Title of the talk</b>	<b>Chairperson/ Moderator/ Speaker</b>
<b>11.00 - 11.50</b>	<b>Scientific Session 36: Diagnostic Imaging Using Non-Ionizing Radiation</b>		<b>Jayanta Pal, India</b>
11.00- 11.20	<b>I-31</b>	<b>Recent advances in magnetic resonance imaging</b>	<b>Ioannis Seimenis, Greece</b>
11.20- 11.30	O-098/ N4636	Optical Coherence Elastography: Advancing Non-Ionizing Radiation Diagnostics for Tissue microstructure biomechanics using microstrain mapping	Sweta Satpathy, India
11.30 - 11.40	O-099/ F4959	Design and Development of an Ultrasound phantom to Evaluate Greyscale contrast in Ultrasound imaging	Abjasree S, India
11.40 - 11.50	O-100/ D4300	Contrast Enhanced Ultrasound Imaging using Microbubbles for Visualization of Microvasculature in a Tissue Mimicking Phantom	Sumana Halder, India
<b>12.00 - 12.45</b>	<b>Poster Rapporteur - Poster Nos. 301 to 360</b>		<b>Sakthivel, India</b>
12.00 - 12.15	Rapporteur 1	Posters 301 to 320	Jeevanshu Jain, India
12.15 - 12.30	Rapporteur 2	Posters 321 to 340	Satish Pelagade, India
12.30 - 12.45	Rapporteur 3	Posters 341 to 359	Suresh Pangam, India
<b>12.45 - 13.15</b>	<b>Valedictory and closing Ceremony in Hall A</b>		
<b>13.15 - 14.00</b>	<b>Lunch &amp; social time</b>		