

17th Asia Oceania Congress of Medical Physics (AOCMP) and
38th Annual Conference of Association of Medical Physicists of India (AMPICON) 2017
4th -7th November, 2017
Jaipur, Rajasthan, India
Tentative Scientific Programme

	Day 1: 4 th November, 2017		
Time	Programme		
08.00AM-09.00AM	Registration		
9.00AM-10.00AM	Inauguration of Conference		
10.00AM-10.30AM	High Tea and Inauguration of Trade Exhibitions		
	Hall A (Main Hall)	Hall B (JMA Hall)	Hall C (Bangure Neuro-Surgery Wing)
10.30AM-1.00PM	<p>Session I: Proton & Heavy ion Therapy</p> <p>I-1: Production of carbon ions for heavy-ion radiotherapy Dr Atsushi Kitagawa, Japan</p> <p>I-2: Introduction to Proton therapy Prof Shigekazu Fukuda, Japan</p> <p>I-3: The present status of Boron Neutron Capture Therapy in Japan. Prof Yoshinori Sakurai, Japan</p> <p>01-04</p>	<p>Session II: Modern Imaging</p> <p>I-4: Beginning of Computer-aided Diagnosis in Medical Imaging Prof Kunio Doi, USA</p> <p>I-5: Journey of Radiology in last over 120 years Dr Sunita Purohit, India</p> <p>I-6: What if Radiology was an art? Dr Robin Decoster, Belgium</p> <p>05-09</p>	<p>Session III: Symposium 1 (60min)</p> <p>MST-1: Practical application of Moodle for e-learning courses in Medical Physics Dr Vassilka Tabakova, UK</p> <p>Session IV :Symposium 2 (60min): Leadership and Entrepreneurship</p> <p>MST-2: Preparing Medical Physicists for future leadership roles Prof Carmel J. Caruana, Malta</p> <p>MST-3: Leadership and Entrepreneurship: A Medical Physicist's Perspective Dr A K Rath, India</p>
01.00PM-02.00PM	Lunch and Poster presentations		
02.00PM-04.00PM	<p>Session V: Medical Physics Education</p> <p>I-07: Codes of Conduct and Codes of Ethics in Medical Physics Dr Howell Round, NZ</p> <p>I-08: Resources to run an RT Department – Staffing and Materials. Prof Yakov Pipman, USA</p> <p>I-09: From IOMP to IMPCB - How a Decades Old Wish became Reality Prof Raymond Wu, USA</p> <p>I-10: Education trends after the official recognition of medical physics occupation in ISCO08 Prof Slavik Tabakova, UK</p>	<p>Session VI: Symposium 3 (60min)</p> <p>MST-4: The Evolving Posture Of Medical Physics As A Profession: Medical Physics 3.0 Prof Mellisa Martin, USA</p> <p>Session VII: Symposium 4 (60min)</p> <p>MST-5: Future of medical physics and interaction with other science Prof Kiyonari Inamura, Japan</p>	<p>Session VIII: Symposium 5 (120min)</p> <p>Affordable therapy technologies</p> <p>MST-6: The need for affordable technologies based on CMC, Vellore Experience Prof Paul Ravindran, India</p> <p>MST-7: Project Introduction and a Compensator based IMRT for cobalt and Linac Prof Govinda Rajan, India</p> <p>MST-8: Principles of design for affordable technologies Prof Eric Ford, USA</p> <p>MST-9: Cobalt treatments are still relevant in a LINACs world A MR guided Co 60 machine perspective. Dr Lakshmi Santanam, USA</p> <p>MST-10: Programmatic Support for the develop of Indigenous technologies in cancer Dr D N Badodkar, India</p>
4.00PM-4.15PM	Tea Break		
4.15PM-5.15PM			

	Session IX: Nanotechnology in Healthcare I-11: Revolutionary Role of Nanotechnology in Health Care Prof S H Pawar, India I-12: Recent developments on Magnetic nano particle and their application in magnetic hyperthermia for cancer therapy and drug delivery. Dr Ambesh Dixit, India	Session X: Monte Carlo & Special Algorithms I-13: Implementing EGSnrc Monte Carlo in a clinical setup and its potential applications Prof Paul Ravindran, India O10-O12	Session XI: Symposium 6 (60min) MST-11: Physics of Medical Isotope Production Prof R Chary, Canada
5.15PM-6.00PM	Dr Ramaiah Naidu Memorial Oration- Dr. PGG Kurup, India		
6.00PM-7.00PM	Felicitation Programme		
7.00PM onwards	Cultural Programme		
9.00PM onwards	Dinner		

	Programme 5th November 2017 [Sunday]			
08.00AM-09.00AM	Session XII: CMPI Teaching Programme TS1: Technology of Advanced Radiotherapy equipment including Ion beam therapy equipment Dr SD Sharma, India TS2: IGRT: Determining setup margins and correction methods Dr T Ganesh, India			
	Hall A(Main Hall)	Hall B(JMA Hall)	Hall C(Bangure Neuro-Surgery Wing)	Hall D(Radiological Physics Department upstairs)
9.00AM-10.30AM	Session XIII : Electron Beam Therapy & Special Procedures I-14: Clinical Electron Beam Dosimetry: Transition from AAPM TG-25 to AAPM TG-70. Dr Dimitris Mihailidis, USA I-15: New Approach to Managing Radiotherapy Patients with Cardiac Implanted Devices (CIEDs): Modern Technology RT and CIEDs. Dr Bipin Agarwal, USA I-16: Motion Management in Radiation Therapy	Session XIV: High-tech Radiotherapy: Challenges in the perspective of Radiation Oncologist, Medical Physicists and Radiotherapy technologists I-17: Radiation Oncologist's perspective. Dr Nidhi Patni, India I-18: Medical Physicist's perspective Dr K. Krishna Murthy, India I-19: Radiation Technologist's perspective Rakesh Kaul, India I-20: MR Guided Adaptive RT Prof Bhudatt Paliwal	Session XV: Symposium 7 (90min) Radiation incidents and accidents in medicine MST-12: Incidents and accidents in CT and interventional Radiology Dr S D Sharma, India MST-13: Incidents and accidents in Nuclear Medicine. Dr Pankaj Tandon, India MST-14: Incidents and accidents in Radiotherapy Dr G A Zakaria, Germany	Session XVI: Nuclear Medicine & Radiobiology I-21: Mitigation of consequential effects of Misadministration in Nuclear Medicine Prof A K Shukla, India O13-O18

	Dr Lakshmi Santhanam, USA			
10.30AM-11.00AM	Tea Break and Poster Presentations			
11.00AM-2.00PM	<p>Session XVII: Plenary Talk I-22: Preparedness for Response to Radiological Emergencies Dr KS Pradeepkumar, India</p> <p>Session XVIII: Brachytherapy I-23:Advances in Brachytherapy Dr D D Deshpande, India</p> <p>O19-O29</p>	<p>Session XIX: Modern RT techniques & Planning I-24:Image guided application in Medical Physics Prof. Tae Suk Suh, S Korea I-25:Do we need audit of Radiation Oncology facilities - internal or external or both? RK Munjal, India I-26:Management of CT image for obese patients in Radiotherapy treatment planning procedure SN Sinha, India</p> <p>O30-O39</p>	<p>Session XX: Symposium 8 (60min) New Developments in Photon Brachytherapy MST-15:Dosimetric Challenges of Photon Brachytherapy in Terms of Absorbed Dose to Water Prof G A Zakaria, Germany MST-16:New Developments in Image based Gynaecological Brachytherapy- Dr Hasin A Azhari, Bangladesh</p> <p>Session XXI: Symposium 9 (120Min) Radionuclide Imaging MST-17:Hybrid Imaging: Applications of PET-MRI in-Neurodegenerative Disorders- Dr Nand K Relan, USA MST-18:Importance of Quality Control in Nuclear Medicine Dr Subhash Kheruka, India MST-19: Optimization of Radiation Safety and Exposures in Nuclear Medicine Dr Pankaj Tandon, India MST-20:Role of Molecular Imaging in Oncology with special reference to radiation oncology Dr J K Bhagat, India</p>	<p>Session XXII : Dosimetry & QA I-27:In-vivo Dosimetry in Radiotherapy Prof M Ravikumar, India</p> <p>O40-O52</p>
02.00PM-02.30PM	Lunch and Poster Presentations			
02.30PM-04.20PM	<p>Session XXIII: Materials and equipment for Research in Medical Physics I-28:Advances in medical physics and Phantom development: A parallel Path. A review from historical to Computational phantoms Prof Franco Milano, Italy I-29:Processing of Medical Image Using Lattice Boltzmann</p>	<p>Session XXIV: Symposium 12 (50min) Latest CT Technologies in Japan MST-21: Latest performance evaluation of X-ray CT Dr Katsumi Tsujioka, Japan MST-22: Latest CT scanning technologies in Japan Dr Koichi Sugisawa, Japan Session XXV :Panel Discussion (60min)</p>	<p>Session XXVI: Symposium 10: (40min) Radiobiophotonics MST-23: Dr Rao V. L. Papineni, USA MST-24: Dr Carmel Mothersill, Canada</p> <p>Session XXVII: Symposium 11 (65min) Normal Tissue Protection- A Firewall MST-25 : Dr Rao V L Papineni, USA</p>	<p>Session XXVIII: Small Field Dosimetry & Med Physics Educational</p> <p>O59-O69</p>

	<p>Method Case Study – Cerebral aneurysm segmentation Dr D Datta, India</p> <p>O53-O58</p>	<p>Selection of Particle Therapy Technology: Should be based on capital costs or clinical needs</p> <p>Moderator: Dr.V.Subramani, India Panelists: 1 Multi-Room Proton Therapy Facility Dr.Rajesh Kinhikar, India 2. Compact Single Room Proton Therapy Facility Dr. S Subramanian, India 3. Clinical Needs and Efficacy Dr DN Sharma, India 4. Carbon Ion Therapy Facility Dr Atsushi Kitagawa, Japan</p>	<p>MST-26 : Dr Steen Pedersen ,USA MST-27 : Dr Shahid Umar, USA MST-28 : Dr Colin Semour, USA</p>	
04.20PM-04.30PM	Tea break and poster presentations			
04.30PM-6.00PM	<p>Session XXIX: AMPI best paper award session (BP1-BP9)</p>	<p>Session XXX: Symposium 13 (90Min) Challenges of Advanced Quality Assurance in Radiotherapy: Treatment Planning and Delivery System</p> <p>MST-29:Moving from gamma passing rates to patient DVH-based online plan verification Dr Andreas Block, Germany MST-30: Stereotactical treatment of liver tumors Dr Wolfgang Baus Germany</p>	<p>Session XXXI: Symposium 14 (90Min) Current status of the breast cancer and importance of the mammographic screening and quality control of the mammography</p> <p>MST-31: Overview of the breast cancer and mammographic status in Asia and in Japan. Dr Tokiko Endo, Japan MST-32: The guideline of quality control for Screening mammography in Japan. Dr Hiroko Nishide, Japan MST-33: Vision for mammography in the digital era. Prof Yoshie Kodera, Japan</p>	
7.00PM onwards	Banquet and Cultural Programme by AFOMP countries			

Time	Programme 6th November 2017 [Monday]		
08.00AM-09.00AM	Session XXXII : CMPI Teaching Session TS3: Portal Dosimetry : Dr Raghavendra Holla, India TS4: ICRU-89-Recent ICRU recommendation for Cervix Brachytherapy: Dr Jamema Swamidas, India		
	Hall A(Main Hall)	Hall B(JMA Hall)	Hall C
9.00AM-10.30AM	Session XXXIII : Radiobiology I-30: Grid radiotherapy and its abs copal Effect: Radiation induced immunogenic response with immunotherapy Dr TS Kehwar, USA I-31: Results of the latest WHO BSS Workshop- Dr Magdalena Stoeva, Bulgaria Session XXXIV: Symposium 15 (40min) MST-34: New Aspects of Medical Physics in Radiation Oncology and Imaging Prof G A Zakaria, Germany MST-35: Monte Carlo methods as advanced quality assurance for special treatment situations Dr Wolfgang Baus, Germany	Session XXXV: Medical Physics Research & Biomedical Engg.-I I-32: Data Mining for Radiomics Prof Hidetaka Arimura, Japan I-33: FDG PET/CT simulation for radiotherapy planning Dr Kohei Hanoka, Japan I-34: 4D in-silico stochastic spatio temporal model of tumor growth with angiogenesis Dr Eva Bezak, Australia O70	
10.30AM-11.00AM	Tea Break		
11.00AM-01.30PM	Session XXXVI: Trade Session T1-T7 T1: Uncertainties in CTDI measurements on Axial Scans Mr Erik Wikstrom, Bergen India T2: Trade talk by Panacea expert	Session XXXVII: Medical Physics Research & Biomedical Engg.-II I-35: Development of video based mechanical quality assurance system for medical linear accelerator Dr Youngyih Han, S Korea I-36: Medical applications of 3D printing Dr Ramani Ramaseshan, Canada	
01.30PM-02.00PM	Lunch		
02.00PM-04.00PM	Session XXXVIII: AOCMP best paper Award Session 12 PAPERS (AB1-AB12)	Session XXXIX: Symposium 16 (120Min) The mini-symposium on DRLs MST-36: Establishing and monitoring DRLs MPS Mann, India MST-37: The current situation of dose and DRLs for radiographic- and fluoroscopic examinations Satish Uniyal, India MST-38: Radiation dose and DRLs for CT scanners in India Dr Roshan Livingstone, India	

4.00PM-4.15Min	Tea Break		
04.15PM-5.45PM	<p>Session XXXX: Symposium 17 (90Min) MDCT: Physics and Dosimetry MST-39: Physics and basic technology of CT Dr Mahadevappa Mahesh, USA MST-40: CT dosimetry Dr Ajai Srivastva, India MST-41: Techniques for dose optimization in CT Dr Roshan Livingstone, India</p>	<p>Session XXXXI: Symposium 18 (90Min) Medical Physics Training and Education Collaboration among both Regional Organizations MST-42:Advances of Radiation Therapy Treatment in MEFOMP Countries: Dr RabiH Hammoud, Lebanon MST-43: The Perspective in Development of Medical Physics in AFOMP Region Dr Tae Suk Suh, S Korea MST-44: Medical Physics Education and Training in MEFOMP Countries: Dr Abdallah AL Haj, Saudi Arabia MST-45: Radiation Safety and Regulatory Authorities in MEFOMP: Dr. Laila Al Baloushi, UAE MST-46: A Brief History of Medical Physics in Asia-Oceania: Dr.Howell Round, NZ MST-47: The Status of Education and Training of Medical Physicists in the AFOMP Region: Dr Kwan Hoong Ng, Malaysia</p>	
5.45PM onwards	AMPI GBM	Session XXXXII : Medical Physics Quiz	
8.00PM onwards	Dinner		

Day 4: November 7th, 2017(Tuesday, IDMP celebration Day)

Time	Programme	
	Hall A (Main Hall)	
09.00AM-09.30AM	IDMP INAUGURATION	
9.30AM-10.45AM	SESSION1:MEDICAL PHYSICS EDUCATION	
9.30AM-10.00AM	History of Medical Physics – a new IOMP project	Dr. Slavik Tabakov, UK
10.00AM-10.20AM	Medical Physics Education & Profession perspective in AFOMP Region	Dr. Tae Suk Suh, S. Korea
10.20AM-10.40AM	Medical Physics perspective :INDIAN SCENARIO	Dr. S D Sharma, India
10.40AM-11.15AM	FLAGGING OFF OF IDMP RALLY AND HIGH TEA	
11.15AM-01.30PM	SESSION2:FEMALE MEDICAL PHYSICIST: GLOBAL& REGIONAL PERSPECTIVE	
11.15AM-11.30AM	Pioneer Women Medical Physicists from MEFOMP Countries	Dr. Huda Al Naemi, UAE
11.30AM-11.45AM	Medical Physicists Certification Process and Examination in the Middle East	Dr. Ibrahim Duhaini, Lebanon
11.45AM-11.55AM	MPW	Dr. Magdalena Stoeva, Bulgaria
12.00PM-1.30PM	SESSION 3 : IOMP- IDMP PROGRAMME [LIVE TELECAST]	
12.00PM-12.05PM	Introductory talk on IDMP	Dr. John Damilakis, Greece
12.05PM-12.20PM	Medical Physics contributions to women's health and Radiation Safety	Dr. H. Anupama Azhari, Bagladesh
12.20PM-12.35PM	IOMP Women survey data	Dr. Virginia Tsapaki, Greece
12.35PM-12.50PM	MP Education, Profession and as a Career for women in Bangladesh: Problems and Perspective	Dr. Towmin Zaman, Bangladesh
12.50PM-1.05PM	Women Medical Physicists. Current status in India	Dr. Shobha Jayaprakash, India
01.05PM-01.20PM	Women and men in the Australasian college of physical scientists and engineers in medicine : Workforce survey	Dr. Eva Bezak, Australia
01.20PM-1.30PM	DISCUSSION	
01.30PM-02.30PM	Lunch	
02.30PM-04.00PM	SESSION 4: RADIATION PROTECTION AND IMAGING OF WOMEN PATIENTS	
2.30PM-3.00PM	Radiation safety aspects pertaining to female patients and staff	Dr. Nidhi Patni, India
3.00PM-3.30PM	Dose management of pregnant patients in Radiology	Dr. John Damilakis, Greece
3.30PM-4.00PM	Segmentation of Breast Masses using active contour modelling	Dr. William Rae, South Africa
04.00PM-05.00PM	VALEDICTORY FUNCTION AND AWARD DISTRIBUTION	
05.00PM-05.30PM	DUSK RELISH	

List of Oral Presentations:

S No.	Title of the Oral Presentation	Presenting Author	Place
	Session XXXVIII: AOCMP BEST PAPER AB1-AB12 (02.00PM- 04.00PM) Hall A November 6, 2017		
AB 1	PROTOTYPE DEVELOPMENT OF ARTIFICIAL INTELLIGENCE (AI) BASED PROTON THERAPY PLANNING SYSTEM	YONG-JIN KIM	SOUTH KOREA
AB 2	GPU-BASED FAST IMAGING TECHNIQUE DURING BORON NEUTRON CAPTURE THERAPY (BNCT): MONTE CARLOSIMULATION STUDY FOR S-PET OPERATION	HYE JEONG YANG	SOUTH KOREA
AB 3	TLD CORRECTION FACTORS FOR FIELD SIZES USED IN LUNG SBRT DOSIMETRIC MEASUREMENTS	R.C.X.SOH	SINGAPORE
AB 4	INVESTIGATION OF OPTIMAL SHUTTER SCAN ACQUISITION PARAMETERS IN DIGITAL TOMOSYNTHESIS SYSTEM	D. KIM	SOUTH KOREA
AB 5	STUDY OF FEASIBILITY OF USING A COMPLEMENTARY METAL OXIDE SEMICONDUCTOR BASED MOBILE PHONE CAMERA AS A RADIATION DOSIMETER	JOSMI JOSEPH	VELLORE, INDIA
AB 6	IMPROVING IMAGE QUALITY IN CONTRAST ENHANCED DUAL ENERGY MAMMOGRAPHY BY NOISE COMPENSATION TECHNIQUES	MINJAE LEE	SOUTH KOREA
AB 7	MULTI-MODALITY IMAGE FUSION BASED ON IMPROVED FUZZY NEURAL NETWORK METHOD	Z. CHAO	SOUTH KOREA
AB 8	ESTIMATION OF VIRTUAL SOURCE POSITION FOR ELECTRONS WITH REGULAR AND IRREGULAR FIELDS FROM A MEDICAL LINEAR ACCELERATOR	DOKE HANUMAN BAJIRAO	BANGALORE, INDIA
AB 9	DEVELOPMENT OF VOXEL BASED METHOD FOR EVALUATION OF THE RADIOTHERAPY TREATMENT PLANS: A NOVEL APPROACH	GAGANPREET SINGH	CHANDIGARH, INDIA
AB 10	3D SILICON MICRODOSIMETRY FOR BORON NEUTRONCAPTURE THERAPY: A SIMULATION STUDY	NARORI HU	OSAKA, JAPAN
AB 11	PERIPHERAL DOSE MEASUREMENTS WITH FFF BEAMS FROM LINEAR ACCELERATOR AND TOMOTHERAPY FOR SBRT OF CA PROSTATE - PHANTOM STUDY	PRAGYA SHREE	MUMBAI, INDIA
AB 12	GPU-ACCELERATED 4D IMAGE RECONSTRUCTION USING ONBOARD KV CONE-BEAM CT (CBCT)	SUNGHOON CHOI	KOREA
	Session XXIX : AMPI BEST PAPER BP1-BP9 (04.30PM- 06.00PM) Hall A November 5, 2017		
BP 1	APPLICATOR COMMISSIONING FOR IMAGE BASED BRACHYTHERAPY	SIJI NOJIN PAUL	MUMBAI, INDIA

BP 2	SECONDARY CANCER AND RADIOBIOLOGICAL RISK ESTIMATES FOR INSTITUTIONAL 3D CONFORMAL PLANNING METHOD :COMPARISONWITH TRADITIONAL GAP JUNCTION AND INVERSE IMRT PLANS OF PEDIATRIC MEDULLOBLASTOMA	A.HEMALATHA	BIKANER, INDIA
BP 3	RETROSPECTIVE ANALYSIS OF GEOMETRICAL INFORMATION ABOUT PAROTID AND PLANNING TARGET VOLUME TO PREDICT THE PAROTID MEAN DOSE TARGET VOLUME TO PREDICT THE PAROTID MEAN DOSE	AMIT NIRHALI	PUNE, INDIA
BP 4	PREDICTING THE IMPACTS OF DAILY TRANSLATIONAL COUCH SHIFTS ON DVH AND RADIO BIOLOGICAL PARAMETERS OF VMAT PLANS USING CURVE FITTING METHOD	M.P. NOUFAL	CALICUT, INDIA
BP 5	STUDY OF THE EFFECTS OF DWELL TIME DEVIATION CONSTRAINT (DTDC) ON IVERSE PLANNINGSIMULATED ANNEALING (IPSA) OPTIMISED PLANS OF INTRACAVITARY BRACHYTHERAPY OFCANCER CERVIX	SAURABH ROY	NEW DELHI, INDIA
BP 6	VOLUME MIS-ESTIMATION BY CT SCAN: IMPORTANCE OF CT PERFORMANCE IN PRECISION LUNG CANCER RADIOTHERAPY	TEERTH RAJ VERMA	LUCKNOW, INDIA
BP 7	MONTE CARLO BASED CORRECTION FACTORS FOR SMALL FIELD DETECTORS	RENIL MON P S	KOCHI, INDIA
BP 8	DEVELOPMENT AND VALIDATION OF A MATLAB SOFTWARE PROGRAM FOR REAL TIME AND POSITIONING MANAGEMENT (RPM) GATING GENERATED BREATHING TRACE	NAVEEN KUMAWAT	NEW DELHI, INDIA
BP 9	HIPPOCAMPAL SPARING WHOLE BRAIN RADIOTHERAPY: A PLANNING STUDY COMPARING COPLANAR AND NONCOPLANAR VMAT PLANS	C.A. MUTHUSELVI	BENGALURU, INDIA
Session I: O1-O4 (10.30AM- 1.00PM) Hall A November 4, 2017			
O-1	RADIATION SAFETY ASSESSMENT OF PROTON THERAPY FACILITY IN INDIA	G. SAHANI	MUMBAI, INDIA
O-2	EFFECT OF DELIVERABILITY CONSTRAINTS ON THE IMPT PLAN QUALITY	BOJARAJAN PERUMAL	BENGALURU, INDIA
O-3	RADIATION PROTECTION ASPECTS IN A MEDICAL CYCLOTRON FACILITY FOR PRODUCTION OF POSITRON EMITTERS	ARUNA KAUSHIK	DELHI, INDIA
O-4	SMALL PHOTON FIELD DOSIMETRY WITH RADIOCHROMIC FILM USING AN INDIGENOUSLY DEVELOPED PROGRAM	LALIT M AGGARWAL	VARANASI, INDIA
Session II: O5-O9 (10.30AM- 1.00PM) Hall B November 4, 2017			
O-5	DUAL-ENERGY HIGH-RATE X-RAY COMPUTED TOMOGRAPHY SCANNER USING A YAP-PHOTOMULTIPLIER DETECTOR	TSUKURU SATO	JAPAN
O-6	PRE-PROCESSING OF BREAST IMAGE FOR PERIPHERAL AREA CORRECTION	HYEMI KIM	KOREA
O-7	MAMMOGRAPHY IMAGING STUDY USING SYNCHROTRON	REENA SHARMA	MUMBAI, INDIA
O-8	TRIPLE-ENERGY HIGH-RATE X-RAY COMPUTED TOMOGRAPHYSCANNER USING A CADMIUM TELLURIDE DETECTOR	EIICHI SATO	JAPAN
O-9	HIGH-SENSITIVITY NEAR-INFRARED-RAY COMPUTED TOMOGRAPHY SCANNER	YUICHI SATO	JAPAN
Session X: O10-O12 (04.15PM- 5.15PM) Hall B November 4, 2017			
O-10	HIGH RESOLUTION CT LUNG PATIENT SKIN DOSE MEASUREMENT USING	A SARAVANA KUMAR	COIMBATORE,

	METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTOR (MOSFET)		INDIA
O-11	KNOWLEDGE BASED PLANNING FOR STEREOTACTIC RADIOSURGERY: STANDARDISATION OF VOLUMETRIC MODULATED ARC THERAPY BASED FRAMELESS STEREOTACTIC TECHNIQUE USING A MULTIDIMENSIONAL ENSEMBLE MAPPING.	BIPLAB SARKAR	GURGAON, INDIA
O-12	MONTE CARLO MODELLING OF INDIGENOUSLY DEVELOPED MEDICAL LINEAR ACCELERATOR	P. K. DIXIT	MUMABI,INDIA
Session XVI: O13-O18 (10.30AM- 1.00PM) Hall D November 5, 2017			
O-13	IMPACT OF PRECLINICAL PET GEOMETRICAL ARRANGEMENT ON PERFORMANCE PARAMETERS	KAJAL AGGARWAL	FRANCE
O-14	DEVELOPMENT OF F18-FDG PET/CT DATABASE OF LUNG MASSES FOR IMAGING RESEARCH	MUKESH KUMAR	NEW DELHI, INDIA
O-15	OPTIMISATION OF THE MOVING AVERAGE FILTER PARAMETER FOR PROCESSING 99MTcMDP-BONE SCAN IMAGE	ANIL KUMAR PANDEY	NEW DELHI, INDIA
O-16	RADIATION DOSE FROM 18F-FDG PET/CT PROCEDURES: INFLUENCE OF SPECIFIC CT MODEL AND PROTOCOLS	OLUWABAMISE ADELEYE	SOUTH AFRICA
O-17	ANALYSIS OF THERAPEUTIC EFFECTIVENESS BY GENERATION OF THREE ALPHA PARTICLES IN PROTON-BORON FUSION REACTION BASED ON MONTE CARLO SIMULATION CODE	SUNMI KIM	KOREA
O-18	A PRECLINICAL ANIMAL (RAT) MODEL OF RADIATION-INDUCED SKIN INJURIES TO STUDY VARIOUS WOUND THERAPY APPROACHES	SUKHVIR SINGH	NEW DELHI, INDIA
Session XVIII: O19-O29 (11AM- 1.00PM) Hall A November 5, 2017			
O-19	COMMISSIONING AND VALIDATION OF COMMERCIAL DEFORMABLE IMAGE REGISTRATION SOFTWARE	JAMEMA SWAMIDAS	MUMBAI, INDIA
O-20	DEVELOPMENT OF REAL TIME ON-LINE QUALITY ASSURANCE DEVICE FOR AFTERLOADING HDR BRACHYTHERAPY	S.SENTHILKUMAR	MADURAI, INDIA
O-21	DOSIMETRIC IMPACT OF TWO METHODS OF POINT A DEFINITION IN HIGH DOSE RATE INTRACAVITARY BRACHYTHERAPY FOR CERVICAL CANCERS	ARPANA SIWACH	MUMBAI, INDIA
O-22	A SIMPLE NOVEL TECHNIQUE FOR RING APPLICATOR CATHETER RECONSTRUCTION ON CT AND MRI 3D IMAGE BASED BRACHYTHERAPY PLANNING FOR CERVICAL CANCER.	DEVARAJU SAMPATHIRAO	MUMBAI, INDIA
O-23	CURRENT STATUS AND TECHNICAL CHALLENGES OF SECONDARY CALIBRATION SYSTEM FOR RAKR OF 192Ir HDR BRACHYTHERAPY SOURCE IN JAPAN	S. KAWAMURA	JAPAN
O-24	ANALYSIS OF DOSES TO ORGANS AT RISK WHILE DEFINING THE POINT A FROM THE MANCHESTER SYSTEM AND THE ICRU 89 RECOMMENDATIONS	SIDONIA VALAS. X	CHENNAI, INDIA
O-25	3-DIMENSIONAL VERIFICATION OF PEAR-SHAPED DOSE DISTRIBUTIONS OF HDR INTRACAVITARY BRACHYTHERAPY DELIVERIES USING NORMOXIC POLYMER GEL DOSIMETRY: A COMPARISON BETWEEN GEL DOSIMETRY AND TPS RESULTS.	DEVI NAND SINGH	KOLKATA, INDIA
O-26	MONTE CARLO STUDY OF WATER-EQUIVALENCE OF VARIOUS SOLID	SUBHALAXMI MISHRA	MUMBAI, INDIA

	PHANTOM MATERIALS FOR 131CS, 125I AND 103PD LOW ENERGY BRACHYTHERAPY SOURCES		
O-27	VALIDATION OF HETEROGENEOUS ALGORITHM USING EBT2 STACK FILM WITH METAL AND SHIELDED APPLICATOR IN HDR BRACHYTHERAPY	MOUROUGAN SINNATAMBY	PONDICHERRY, INDIA
O-28	RADIATION SHIELDING EVALUATION OF MODEL LAYOUT PLAN FOR REMOTE AFTERLOADING IRIIDIUM / COBALT SOURCE BRACHYTHERAPY TREATMENT ROOM - THEORETICAL CALCULATION	MAHENDRA MORE	SURAT, INDIA
O-29	PROBABILISTIC SAFETY ASSESSMENT OF REMOTE AFTERLOADING (RAL) HIGH DOSE RATE (HDR) BRACHYTHERAPY FACILITY	RAJIB LOCHAN SHA	MUMBAI, INDIA
Session XIX:O30-O39 (11AM- 1.00PM) Hall B November 5, 2017			
O-30	PRE-TREATMENT VERIFICATION OF ADVANCED RADIOTHERAPY USING ELEKTA LINAC PARAMETERS TRACKED IN REAL-TIME	HAFIZ MOHD ZIN	MALAYSIA
O-31	DOSIMETRIC COMPARISON OF COPLANAR ANDNON-COPLANAR INTENSITY MODULATED RADIATION THERAPY PLANNING FOR ESOPHAGEAL CARCINOMA	VINAY DESAI	BENGALURU, INDIA
O-32	LUNG AND BREAST CANCER RISK ESTIMATES FOLLOWING INVOLVED-SITE RADIATION THERAPY FOR SUPRADIAPHRAGMATIC HODGKIN'S DISEASE IN FEMALE PATIENTS	M. MAZONAKIS	GREECE
O-33	COMPARISON OF VOLUMETRIC MODULATED ARC THERAPYAND HELICAL TOMOTHERAPY PLANS FOR HIGH RISKPROSTATE CANCERS USING DOSIMETRIC ANDRADIOBIOLOGICAL INDICES	SNEHA .S. NAIR	KOCHI, INDIA
O-34	EFFICACY OF SHORT SPINAL ARC LENGTH IN VOLUMETRIC MODULATED ARC THERAPY BASED CRANIOSPINAL IRRADIATION	UPENDRA K GIRI	GURGAON, INDIA
O-35	A HYBRID CONFORMAL PLANNING TECHNIQUE WITH SOLITARY DYNAMIC PORTAL FOR POST-MASTECTOMY RADIOTHERAPY WITH REGIONAL NODES	MOHAMATHU RAFIC K	VELLORE, INDIA
O-36	SIMULTANEOUS INTEGRATED BOOST FOR CARCINOMA LEFT SIDED BREAST: PLAN QUALITY COMPARISON OF HELICAL TOMOTHERAPY WITH VOLUMETRIC MODULATED ARC THERAPY	MRS B. SUBBULAKSHMI	BANGALORE, INDIA
O-37	BIOLOGICAL & DOSIMETRIC EVALUTION OF FLATTENING FILTER FREE (FFF) BEAM PLANS OVER FLATTENED BEAM (FB) BEAM PLANS IN HEAD & NECK CANCER	RAMESH K K	BANGALORE, INDIA
O-38	USE OF PORTAL DOSIMETRY TO MONITOR TREATMENT CONSISTENCY FOR HEAD AND NECK CANCER THROUGHOUT THE COURSE OF TREATMENT	SUDESH DESHPANDE	MUMBAI, INDIA
O-39	IDENTIFICATION OF EQUIVALENT LUNG VOLUME FROM 4DCT DATA FOR TREATMENT PLANNING AND DELIVERY IN SBRT OF LUNG CANCER	NVN MADUSUDHANA SRESTY	HYDERABAD, INDIA
Session XXII:O40-O52 (11AM- 1.00PM) Hall D November 5, 2017			
O-40	NOVEL METHOD OF ERROR REDUCTION IN QUANTIFYING THE SHIFT IN ISOCENTER USING LINE SPREAD FUNCTION APPROACH	VINEETH C	CALICAT, INDIA
O-41	DEVELOPEMENT OF A CMOS-BASED OPTICAL COMPUTED TOMOGRAPHY SYSTEM FOR 3D RADIOTHERAPY DOSIMETRY	AHMAD TAUFEK ABDUL RAHMAN	MALAYSIA
O-42	MEASUREMENT AND COMPARISON OF SURFACE DOSE OF UNFLATTENED AND FLATTENED PHOTON BEAMS FOR DIFFERENT FIELD SIZES	SURESH BABU P	BANGALORE, INDIA

O-43	DETERMINATION OF STEREOTACTIC SMALL FIELD OUTPUT FACTORS WITH DIFFERENT DETECTORS	SEBY GEORGE	VELLORE, INDIA
O-44	QUALITY ASSURANCE PROGRAM AT DURHAM REGIONAL CANCER CENTER, ONTARIO CANADA	DAXA PATEL	CANADA
O-45	STUDY ON THE MEASUREMENT OF SURFACE AND BUILDUP DOSES USING DIFFERENT IONIZATION CHAMBERS	SREEDEVI E	KERALA, INDIA
O-46	IMPACT ON GAMMA INDEX ON MEASUREMENT WITH TWO DIFFERENT ARRAY DETECTORS	S.PRABHAKAR	CHENNAI, INDIA
O-47	VOLUMETRIC MODULATED ARC THERAPY DOSIMETRY QA USING LIQUID IONISATION CHAMBER.	NITIN R. KAKADE	MUMBAI, INDIA
O-48	DOSIMETRIC CHARACTERISTICS OF DIGITAL MEGAVOLT IMAGER FOR FLATTENING FILTER FREE (FFF) BEAMS	VENDHAN SUBRAMANI	CHENNAI, INDIA
O-49	STUDY ON RADIOLOGICAL PROPERTIES OF WOODEN DUST AS A SUBSTITUTE OF LUNG FOR THE DOSIMETRIC PURPOSE	P. BAGDARE	UJJAIN, INDIA
O-50	EVALUATION OF SETUP UNCERTAINTIES AND CLINICAL TARGET VOLUME (CTV) TO PLANNING TARGET VOLUME (PTV) MARGIN FOR VARIOUS TUMOR SITES WITH VMAT TREATMENTS USING CBCT.	DILIP KUMAR RAY	KOLKATA, INDIA
O-51	RADIOTHERAPY WITH TELE-COBALT MACHINE- EFFICACY AND NEED FOR TISSUE COMPENSATION IN HEAD AND NECK TREATMENTS	RAMAMOORTHY RAVICHANDRAN	ASSAM, INDIA
O-52	EVALUATION OF CBCT AND 4DCT BASED PLANNING TARGET VOLUMES IN NON-SMALL CELL LUNG CARCINOMA AND ITS EFFECT ON CRITICAL STRUCTURE DOSES	SEBEERALI K	BANGALORE, INDIA
Session XXIII:O53-O58 (2.30PM- 4.20PM) Hall A November 5, 2017			
O-53	DESIGN AND DEVELOPMENT OF MINIATURE PRIMARY STANDARD FOR AIR-KERMA MEASUREMENT OF LOW ENERGY SYNCHROTRON RADIATION	SUDHIR KUMAR	MUMBAI, INDIA
O-54	CHARACTERIZATION AND PERFORMANCE STUDY OF NEWLY DEVELOPED N- TYPE SKIN DIODE DOSIMETER FOR HIGH PHOTON ENERGY (6 & 18 MV) SKIN DOSIMETRY	ZAKIYA S. AL-RAHBI	AUSTRALIA
O-55	NANO KCL:SM3+ AS A NEW OPTICALLY STIMULATED LUMINESCENT PHOSPHOR	PRATIK KUMAR	NEW DELHI
O-56	DEVELOPMENT OF CRYOSTAT INTEGRATED TL/OSL READER FOR ITS APPLICATION IN RADIATION DOSIMETRY	ANUJ SONI	MUMBAI, INDIA
O-57	ENERGY DEPENDENCE OF NANODOT OSL DOSIMETERS TO LOW ENERGY X-RAYS USING MONTE CARLO SIMULATION CODE EGS5	VLE CRUZ	JAPAN
O-58	SYNTHESIS AND CHARACTERIZATION OF HO ₃ ⁺ DOPED HAFNIUM OXIDE TLD FOR RADIATION DOSIMETER.	NANDAKUMAR SEKAR	TAMILNADU,INDIA
Session XXVI:O59-O69 (2.30PM- 4.20PM) Hall D November 5, 2017			
O-59	PATIENT SPECIFIC QA ON CYBERKNIFE M6 ROBOTIC RADIOSURGERY SYSTEM USING IN-HOUSE FIDUCIAL BASED POLYSTYRENE PHANTOM	R HOLLA	KOCHI, INDIA
O-60	NANODOTS, ALANINE, AND TLD100H DOSIMETERS INVESTIGATIONS AND ITS TREATMENT FOR STEREOTACTIC ABLATIVE RADIOTHERAPY PRE-	N U ESEN	AUSTRALIA

	TREATMENT VERIFICATION		
O-61	INVESTIGATING POLARITY AND ION RECOMBINATION EFFECTS OF SIX IONIZATION CHAMBERS FOR SMALL RADIATION BEAM APERTURES	KJ MARIA DAS	LUCKNOW, INDIA
O-62	SMALL FIELD DOSIMETRY MEASUREMENTS	GANESAN RAMANATHAN	COIMBATORE, INDIA
O-63	PLANNING CONSIDERATIONS FOR UNFLAT BEAMS	SURESH BABU P	BANGLORE, INDIA
O-64	EVALUATION OF SYSTEM ACCURACY AND PTV MARGINS FOR SBRT IN LUNG AND LIVER USING NOVALIS TX ADAPTIVE GATING AND EXACTRAC [®] 6D SYSTEM [™]	HIMANK KALRA	NEW DELHI, INDIA
O-65	EXPERIENCE IN IMPLEMENTING AND CONDUCTING THE AUSTRALASIAN COLLEGE OF PHYSICAL SCIENTISTS AND ENGINEERS IN MEDICINE (ACPSEM) RADIATION ONCOLOGY MEDICAL PHYSICS TRAINING EDUCATION AND ASSESSMENT PROGRAM (ROMP-TEAP) IN A REGIONAL AUSTRALIAN RADIOTHERAPY CENTER	AJEET MISHRA	AUSTRALIA
O-66	ESTIMATION OF EYE LENS EXPOSURE FROM WORKLOADS DURING INTERVENTIONAL PROCEDURES IN SOUTH AFRICA, TAKING MODIFYING FACTORS INTO ACCOUNT	M.A. SWEETLOVE	SOUTH AFRICA
O-67	CATARACT FINDINGS AMONG SOUTH AFRICAN INTERVENTIONALISTS	A. ROSE	SOUTH AFRICA
O-68	A PROSPECTIVE APPROACH OF QA IN RADIATION ONCOLOGY AND IMPLEMENTATION OF AAPM TG 100	AJEET MISHRA	AUSTRALIA
O-69	PERFORMING TG-142 QUALITY ASSURANCE PROCEDURES ON LINEAR ACCELERATORS USING PIPSPRO SOFTWARE	K.R.MURALIDHAR	TELANGANA, INDIA
Session XXXIII:O70 (9.00AM- 10.30AM) Hall B November 6, 2017			
O-70	THE APPLICATION OF TEXTURE ANALYSIS FOR DISCRIMINATION FATTY LIVER BY ULTRASOUND IMAGES	AKBAR GHARBALI	IRAN