

Details of ICMP-2023 Poster Presentations

Presentation ID	Abstract ID ICMP23_ABS_	Title & Author/s
P-001	J5610	INVESTIGATION OF EFFECTIVE POINT OF MEASUREMENT (EPOM) FOR PERCENTAGE DEPTH DOSE (PDD) WITH DIFFERENT DETECTOR BY INTRODUCING NEW POLYNOMIAL CORRECTION FACTOR FOR EBT3 FILM Yuvarajan Sankaran
P-002	H9784	DESIGN AND DEVELOPMENT OF A PHANTOM FOR PRESCRIPTION RADIATION DOSAGE VERIFICATION WITH RADIOCHROMIC FILM (EBT3) IN A SINGLE-CHANNEL HDR VAGINAL CYLINDER BRACHYTHERAPY APPLICATION Challapalli Srinivas, Dilson Lobo, Athiyamaan M S, Sourjya Banerjee, John Sunny, Abhishek Krishna
P-003	V7843	ESTIMATION OF RADIATION DOSE AT DIFFERENT LOCATIONS INSIDE BUNKER OF REMOTE AFTER LOADING HDR BRACHYTHERAPY MACHINE Ranjna Agarwal, Sushovan Bairagya, Sooraj K.M.
P-004	M5395	ANALYSIS OF RELATION OF RMM VALUE OF CO-60 SOURCE AND OUTPUT OF CO-60 TELETHERAPY MACHINE Ranjna Agarwal, Sushovan Bairagya, Sooraj K.M
P-005	D4783	HUGE USE OF X-RAYS IN MEDICAL SCIENCE Rajesh Kumar Rajput
P-006	F5232	A COMPARATIVE STUDY ON EFFECTIVENESS OF AUTOFLASH MARGIN IN MONACO TREATMENT PLANNING SYSTEM Vikash K. Pathak, Anchal Sharma, Pranjal Shrivastava
P-007	M1919	UNRAVELING THE GENOMIC PROFILES OF RADIORESISTANT HNSCC TO IDENTIFY PREDICTIVE BIOMARKERS FOR THERAPY RESPONSE K R Muralidhar R Venkataramanan, Moni Kuriakose, Prashant Kumar
P-008	G8836	BONE PALLIATION USING THERAPEUTIC ¹⁵³ Sm RADIOPHARMACEUTICAL: OUR EXPERIENCE IN RADIATION SAFETY MEASURES Deboleena Mukherjee, Kirti Tyagi, A G Pandit, Hari Mukundan, Vigneshwaran M
P-009	H9602	QUALITY ASSURANCE PROGRAM OF PET/CT SCANNER FOR RADIATION THERAPY Deboleena Mukherjee, Kirti Tyagi, Hari Mukundan, A G Pandit, Vigneshwaran M
P-010	I9336	ARTIFICIAL INTELLIGENCE AND MEDICAL PHYSICS Sahar Heidary
P-011	Y4032	TO STUDY THE IMPACT OF MINIMUM SEGMENT WIDTH ON THE QUALITY OF VMAT PLANS USING MONACO TPS FOR ENDOMETRIUM CANCER Avtar Singh, Amit Saini, Gurbinder Singh, Rahul Kalita
P-012	B1518	IMPROVED PLAN STUDY FOR HIPPOCAMPUS SPARING IN WHOLE BRAIN RADIATION THERAPY: DOSIMETRIC COMPARISON OF NON-COPLANAR ARC PARTIAL FIELD TECHNIQUE VMAT WITH DUAL-ARC AND SPLIT-ARC PARTIAL FIELD TECHNIQUE. Biju P Thomas, Naiby Joseph, Dona Shaji, Dr.Jenny Joseph ,Dr.Judith Aaron Elice M Paul , Meera S Nair

P-013	N1678	ESTIMATION OF RADIATION EXPOSURE TO THE CAREGIVERS OF PATIENTS UNDERGOING F-18 FDG PET SCAN Kirti Tyagi, Deboleena Mukherjee, Sreejith S Nair, A G Pandit, Vigneshwaran Hari Mukundan
P-014	V8795	QUALITY ASSURANCE TESTS AND INSTALLATION OF 3D MAMMOGRAPHY UNIT AT A TERTIARY CARE CENTRE Kirti Tyagi , Deboleena Mukherjee , Eesha Rajput , T C Bhatt , Hari Mukundan
P-015	V7018	VOLUMETRIC MODULATED ARC THERAPY FOR CA-OESOPHAGUS; OUT-OF-FIELD AND IN-FIELD DOSIMETRIC COMPARISON BETWEEN FFF AND FF BEAM Hemalatha A, Athiyaman M, Gokul Raj.M, Bhagisma, Neethi Sharma, Arun Chougule
P-016	K1952	EFFECTS OF CT PROTOCOL VARIATION ON EFFECTIVE DOSE AND RISK FOR CT CHEST-ABDOMEN-PELVIC (CAP) EXAMINATION Tadelech Sisay Mekonin
P-017	O5248	BREAST CANCER SUBTYPE PREDICTION MODEL EMPLOYING ARTIFICIAL NEURAL NETWORKS AND ¹⁸ F-FDG PET/CT Alamgir Hossain, Shariful Islam Chowdhury
P-018	F4823	ASSESSING THE ADVERSE IMPACTS OF BIODEGRADABLE PLASTIC BAGS: HEAVY METALS AND RADIONUCLIDES CONSIDERATIONS M. Mohery, A. Mindil
P-019	N8995	FUTURE TRENDS AND DEMONSTRATIVE APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN NUCLEAR MEDICINE A K Shukla ,Satyawati Deswal , Manisha Pradhan And Devesh Bhatt
P-020	C8974	EFFICACY OF MULTICRITERIAL COST FUNCTION ON PLAN OBJECTIVE WITH MONTE CARLO DOSE CALCULATION ALGORITHM FOR VMAT TECHNIQUE IN HEAD AND NECK CANCER Mukesh Meshram, Apoorv Vashishth, Pardip Deshmukh
P-021	H4528	A SYSTEMATIC REVIEW OF LET-OPTIMIZATION IN PROTON THERAPY: IDENTIFYING THE CURRENT STATE AND FUTURE NEEDS Melissa McIntyre, Puthenparampil Wilson, Peter Gorayski, Eva Bezak
P-022	M4286	ESTABLISHMENT OF DIAGNOSTIC REFERENCE LEVELS FOR PREDOMINANT NUCLEAR MEDICINE IMAGING PROCEDURES USING TC ^{99m} RADIOISOTOPE – MULTI-CENTRE STUDY M. Senthilkumar, C. Senthil Kumar, J. Velmurugan
P-023	R5758	SIGNIFICANCE OF TANGENTIAL IMRT TREATMENT PLANNING TECHNIQUE IN REDUCING LOW DOSE SPILLAGE OF LUNGS IN SYNCHRONOUS BILATERAL BREAST CARCINOMA (SBBC) Dona Shaji, Biju P Thomas, Naiby Joseph, Dr.Jenny Joseph, Dr. Judith Aaron, Meera S Nair
P-024	C2639	EVALUATION OF PRE- AND POST-THERAPY RADIOIODINE AVIDITY INDEX (RAI) IN THYROID CANCER PATIENTS A K Shukla, Satyawati Deswal, Astha Upadhyay, Shashwat Verma And Devesh Bhatt
P-025	T4840	ASSESSING VARIABILITY IN EXPERT CONTOURING OF CAROTID PATHOLOGY: ESTABLISHING MINIMUM CLINICAL STANDARDS FOR MACHINE LEARNING PERFORMANCE Chris Boyd, Timothy J. Kleinig, Joseph Dawson, Sandy Patel, Gregory Brown, Wolfgang Mayer, Mark Jenkinson, Eva Bezak

P-026	S7226	EVALUATION OF LOCAL DIAGNOSTIC REFERENCE LEVELS IN DIGITAL BREAST TOMOSYNTHESIS (DBT) MAMMOGRAPHY IN INDIA Adhimoolam Saravana Kumar, T. Manojkumar, Manimaran Perumal, Dinesh Babu , Varshini Raju, B. Devanand, T Balaji, Sudhir Kumar
P-027	O6499	RAPID ARC BASED TOTAL MARROW AND LYMPHOID IRRADIATION(TMLI)-AN ALTERNATIVE TO TOTAL BODY IRRADIATION(TBI) Naiby Joseph, Biju P Thomas, Judith Aaron, Dona Shaji, Jenny Joseph, Shabnam Abdul Kader, Vidya Gopalan, Meera S Nair
P-028	J4804	EFFECT OF VARIOUS FILTERS ON IMAGE QUALITY AND OTHER PARAMETERS IN ^{99m} Tc- SESTAMIBI MYOCARDIAL PERFUSION SPECT IMAGING Satyawati Deswal, Manisha Pradhan, A.K. Shukla, Shashwat Verma, Devesh Bhatt
P-029	B2958	MEASUREMENT OF EXTERNAL RADIATION LEVELS IN PATIENTS UNDERGOING 18FDG-PET CT PROCEDURES Naincy Golus, Satyawati Deswal, A K Shukla, Devesh Bhatt
P-030	L4769	COMPARISON AND PERIODICAL MONITORING OF QC PARAMETERS IN DUAL HEAD SPECT/CT USING NEMA PROTOCOLS Maitri Bharadwaj, A K Shukla, Satyawati Deswal, Devesh Bhatt And Anoop Srivastava
P-031	X2541	EXPERIENCE WITH VARIAN HALCYON V3 LINEAR ACCELERATOR: DUAL-ISOCENTER VMAT PLANNING AND DELIVERY WITH PORTAL DOSIMETRY FOR DIFFERENT CANCER SITE TREATMENTS Hanuman Bajirao Doke, Vaibhav Patil, Dinesh Badakh
P-032	G1187	DIAGNOSIS OF PNEUMOTHORAX USING MACHINE LEARNING ALGORITHMS AND RADIOMICS: INVESTIGATING THE POSSIBILITY OF REPLACING SIMPLE CHEST RADIOGRAPHY INSTEAD OF CT SCAN TO REDUCE THE RADIATION DOSE Hanieh Alimiri Dehbaghi, Karim Khoshgard, Hamid Sharini, Samira Jafari, Farhad Naleini
P-033	I6352	OPTIMIZATION OF IMAGE RECONSTRUCTION FOR 68GA-PSMA ON A DIGITAL PET/CT SCANNER: A COMPARISON OF TOF AND PSF RECONSTRUCTION FOR IMPROVED CONTRAST-TO-NOISE RATIO (CNR) Subhash Kheruka, Sharjeel Usmani, Naema Al Maymani, NouraMohammed, SanaAl Rashdi, KhuloodAl Riyami, Rashid Alsukaiti
P-034	W3383	TOXICITY AND SECOND CANCER ESTIMATE FOR HYPO-AND-CONVENTIONAL FRACTIONATION FOR VMAT RADIOTHERAPY OF PROSTATE CARCINOMA Assya Boughalia, Yasmine. Chaouchi, Nour El Imane Kebaily
P-035	B4994	ASSESSMENT OF HEALTHY TISSUES DOSES AND ASSOCIATED SECOND CANCER RISK AFTER INVOLVED SITE RADIATION THERAPY (ISRT) IN HODGKIN LYMPHOMA: A COMPARISON OF 3D-ISRT AND HELICAL TOMOTHERAPY Assya Boughalia
P-036	B6613	COMMISSIONING GUIDELINES AND VALIDATION OF MRT DOSIMETRY FOR ¹⁷⁷ LU-BASED RADIOPHARMACEUTICAL THERAPY Siju C. George, E. James J. Samuel

P-037	S3641	AN AUDIT ON RADIATION DOSES ON PATIENTS UNDERGOING HEAD, CHEST, ABDOMINAL, AND PELVIS CT EXAMINATIONS USING 640 SLICE CT SCANNER AT A PRIVATE HOSPITAL IN KANDY L. P. De Silva , V. Sivakumar , and T. Amalaraj
P-038	Y1163	LESSONS FROM PUTTING UP A CLINICAL PET/CT CENTER IN THE PHILIPPINES DURING THE COVID-19 PANDEMIC Jae L. Inamarga, Jackson U. Dy, MD
P-039	M9768	INVESTIGATING THE EFFECT OF DIFFERENT IMAGING PARAMETERS IN THE SEGMENTATION OF BRAIN MRI USING DEEP NEURAL NETWORK Iman Azinkhah
P-040	F7359	APPLICATION OF TG-119 PROTOCOL FOR VMAT TREATMENT PLANS CALCULATED WITH AAA AND ACUROS XB ALGORITHM USING RUBY MODULAR QA PHANTOM UNDER TRUEBEAM LINEAR ACCELERATOR Srimanta Pramanik, Babai Pal, Sayan Das, Dilip Kumar Ray
P-041	Q8646	ACCURACY OF RADIATION OUTPUTS OF CALIBRATED AND UN-CALIBRATED ION CHAMBER FOR COMPUTED TOMOGRAPHY AND X-RAY Joanne Hang, Jessen How, Koon Liang Chia
P-042	V4404	DOSIMETRIC COMPARISON BETWEEN 6MV FF AND 6MV FFF FOR HEAD AND NECK, PELVIC AND STEREOTACTIC RADIOSURGERY (SRS) PLANS USING VMAT TECHNIQUE Srinu Aketi, Sangeetha K, Venkata Krishna Reddy P, Vishwa M
P-043	X5927	ANGULAR DISTRIBUTION OF X-RAYS AND Γ -RAYS EMANATING FROM A BODY DUE TO ATTENUATION AND SCATTERING IN THE CONTEXT OF CT AND NUCLEAR MEDICINE Rezvan Ravanfar Haghghi, Vyas Akondi, Sabyasachi Chatterjee, Vani V.C
P-044	P4307	COMPARATIVE ANALYZING OF THE SETUP MARGIN IN CARCINOMA BREAST USING DIFFERENT IMMOBILISATION DEVICES AND IMAGE REGISTRATION METHODS Sarath S Nair, Jyothi Nagesh, Shambhavi K, Dr Shirley L Salins
P-045	F1511	A FEASIBLE VMAT BASED PLANNING TECHNIQUE FOR CRANIOSPINAL IRRADIATION & ITS IMPLEMENTATION: OUR EXPERIENCE AT CNCI, KOLKATA Rajib Das, Bijan Ku. Mohanta, Atanu Kumar, Dillip Ku. Misra, Dilip Ku.Ray, Debarshi Lahiri, Palas De, Tapas Maji
P-046	F3302	EVALUATION OF BETWEEN PLANNED AND DELIVERED DOSES DIFFERENCE USING DEFORMABLE IMAGE REGISTRATION AND DOSE ACCUMULATION FOR PROSTATE SBRT PATIENTS WITH DOMINANT INTRA-PROSTATIC NODULE (DIL) Reena Phurailatpam, Mahima Choudhari, Divya Patil, Maneesh Singh, Vedang Murthy

P-047	O4657	<p>COMPREHENSIVE METHOD TO ANALYZE 50% SPILLAGE DOSE IN HEAD AND NECK VMAT TREATMENT PLANS</p> <p>Basil George, Manoj S Kumar, Jincy C D, Aslam Pa, Vineeth C, Ratheesh K E, Deepali Bhaskar Patil, Mukesh Zope</p>
P-048	B3317	<p>THE IMPACT OF FLATTENING FILTER FREE (FFF) AND FLATTENING FILTER (FF) ON DOSIMETRIC OUTCOMES IN SBRT LUNG TREATMENT PLANS</p> <p>Md. Jobairul Islam, Sadia Afrin Sarah</p>
P-049	B8894	<p>DOSIMETRIC VERIFICATION BETWEEN 6 MV FF & 6 MV FFF BEAM FOR SBRT SPINE TREATMENT PLAN</p> <p>Sadia Afrin Sarah, Md. Jobairul Islam, Suresh Das, Hasin Anupama Azhari, Golam A. Zakaria</p>
P-050	C3448	<p>DOSIMETRIC COMPARISON OF 6XFFF AND 6XFF PHOTON BEAMS FOR VMAT-BASED STEREOTACTIC BODY RADIOTHERAPY (SBRT) PLAN FOR SPINAL OLIGOMETASTASES: A SINGLE-INSTITUTIONAL STUDY</p> <p>Sadia Afrin Sarah, Md. Jobairul Islam, Suresh Das, Hasin Anupama Azhari, Golam A. Zakaria</p>
P-051	A9440	<p>THE ROLE OF DOSE RATE AND GANTRY SPEED VARIATIONS IN PROGRESSIVE RESOLUTION OPTIMIZER (PRO) AND PHOTON OPTIMIZER (PO) ALGORITHMS FOR RAPIDARC™ VOLUMETRIC MODULATED ARC THERAPY DELIVERY</p> <p>S. Venugopal, D. Khanna, P. Mohandass, Titiksha Vasudeva</p>
P-052	I1907	<p>OPTIMIZING HIGH SPECIFIC ACTIVITY (HSA) COBALT-60 UTILIZATION: EXPLORING MEDICAL APPLICATIONS AND EXPANDING GLOBAL REACH IN RADIOTHERAPY</p> <p>T. M Ashraf, S. A Tariq, R. Sahu, P. Mukherjee</p>
P-053	E5344	<p>IRON OVERLOAD EVALUATION IN BETA-THALASSEMIA MAJOR: HEPATIC AND CARDIAC ASSESSMENT USING MRI T2* AND SERUM FERRITIN LEVELS IN SISTAN AND BALUCHISTAN PROVINCE</p> <p>Zeynab Yazdi Sotoodeh, Amir Hossein Heydari, Aghile Hosseini</p>
P-054	D5987	<p>INVESTIGATION OF EPID UNIFORMITY AS A PREDICTIVE FACTOR OF Γ-PASS RATE IN O-RING LINIAC</p> <p>Masakazu Otsuka, Kenji Matsumoto, Kazuki Kubo, Takahiro Sakamoto, Naohiro Nishigaito, Takahiro Saika, Hiroyuki Kosaka, Miyuki Araki, Hidekazu Nambu, Hajime Monzen, Yukinori Matsuo</p>
P-055	V8072	<p>GREEN SYNTHESIS OF CDS AND CDS/RGO NANOCOMPOSITE: EVALUATION OF ELECTROCHEMICAL ANTI-MICROBIAL AND PHOTOCATALYTIC PROPERTIES</p> <p>Arpana Parihar, Palak Sharma, Nishant Kumar Choudhary, Raju Khan</p>
P-056	X9578	<p>EVALUATION OF DOSE METRICES FOR STEREOTACTIC RADIOTHERAPY PLANS (SRT) FOR BRAINS METS PATIENTS USING VOLUMATIC ARC THERAPY TECHNIQUE</p> <p>Rahul Phansekar, Divya S, Hemendra Mod</p>
P-057	R4440	<p>DOSIMETRIC EVALUATION OF VOLUMETRIC ARC THERAPY (VMAT) PLANS FOR HEAD AND NECK PATIENTS</p> <p>Rahul Phansekar, Surya J, Hemendra Mod</p>

P-058	F5026	ASSESSMENT OF RADIOTHERAPY TREATMENT ACCURACY AND THE EFFECTIVE IMPACT OF CARBON BASE PLATE ATTENUATION IN MEGAVOLTAGE HIGH ENERGY X-RAYS R. Narayanan, Amy Sharon Janet V, B. Preethi
P-059	J3169	QUALITY ASSURANCE OF PET/CT AND SPECT/CT IN THE PHILIPPINES: FROM ACCEPTANCE TESTING TO CLINICAL OPERATIONS Jae L. Inamarga
P-060	N5900	ACCEPTANCE TESTING, COMMISSIONING AND QUALITY ASSURANCE FOR A FLEXITRON ¹⁹² Ir HDR BRACHYTHERAPY AFTERLOADER AT AIMS, KOCHI Doddi Divakar Babu, Soumya N M, Dr. Annex E.H, Debnarayan Dutta
P-061	D8053	EVALUATING THE IMPACT OF PLASTIC DETECTOR MATERIALS ON THE OUTPUT MEASUREMENTS FOR VERY SMALL PHOTON FIELDS Eyad Alhakeem and Sergei Zavgorodni
P-062	K3227	PREOPERATIVE PREDICTION OF CLINICAL AND PATHOLOGICAL STAGES FOR PATIENTS WITH ESOPHAGEAL CANCER USING PET/CT RADIOMICS Xiyao Lei, Yao Ai, Xiance Jin
P-063	F7425	ESTABLISHMENT OF NATIONAL DIAGNOSTIC REFERENCE LEVELS FOR DIGITAL MAMMOGRAPHY IN NEPAL RN Yadav, BR Shah, N. Sharma, K. Devkota, NJ. Ansari, HA Azhari, J.Jeyasugiththan
P-064	B5980	COMPARISON OF TREATMENT PLANNING FOR STEREOTACTIC RADIOSURGERY(SRS) AND STEREOTACTIC BODY RADIATION THERAPY(SBRT) TECHNIQUES WITH 2.5MM AND 5MM MULTILEAF COLLIMATOR(MLC) Rechal Nisha Dsouza, Krishna Sharan, Suresh Sugumar, Srinidhi G C, Shreekripa Rao, Shirley Lewis Salins, Umesh V, Senthil Manikandan
P-065	F1238	ESTABLISHMENT OF DIAGNOSTIC REFERENCE LEVEL AND RADIATION DOSE VARIATION IN HEAD & NECK AND PELVIS TREATMENT PLANNING IN RADIATION THERAPY COMPUTED TOMOGRAPHY Shreekripa Rao, Rajagopal Kadavigere, Krishna Sharan, Suresh Sukumar, Shirley Lewis Salins, Srinidhi GC, Rechal Nisha Dsouza
P-066	X4308	DOSIMETRIC COMPARISON OF DIFFERENT DOSE PRESCRIPTION POINT EFFECT WITH DIFFERENT DOSE CALCULATION ALGORITHMS IN CARCINOMA BUCCAL MUCOSA TUMORS Bharath Pandu, Khanna D, Mohandass Palanisamy, Rajadurai Elavarasan, Saro Jacob
P-067	K7039	METHOD TO ENHANCE THE SENSITIVITY OF RADIOCHROMIC FERROUS AMMONIUM SULFATE-BENZOIC ACID-XYELNOL ORANGE (FBX) SOLUTION Sakshi Singhal, Aruna Kaushik, Maria D'Souza, Manoj K. Semwal

P-068	B3995	OPTIMIZATION OF X-RAY TUBE PARAMETERS TO MINIMIZE RADIATION EXPOSURE IN DIAGNOSTIC CT SCANS WHILE MAINTAINING DOSES WITHIN DIAGNOSTIC REFERENCE LEVELS Mallikarjuna Adavala, K.ChandrasekharReddy, Sashidhar Kaza, Shakambari Sadangi
P-069	Q8054	CONFORMAL CEREBRO-SPINAL IRRADIATION USING VOLUMETRIC MODULATED ARC THERAPY Gleetus Timothy, Sonu Goyal, Adarsh P P, Anet Abraham, Mary Joan
P-070	V3328	RADIATION DOSIMETRY OF RU-106 EYE PLAQUE USING EGS_BRACHY MONTE CARLO CODE Harishchandra Gupta, Ashok Kumar, Aruna Kaushik, Manoj K. Semwal
P-71	C3730	GEUD BASED OPTIMIZATION: A STRONG TOOL TO REDUCE HEART AND LUNG DOSE IN VMAT BREAST PLANS WHEN USED IN CONJUNCTION WITH VOLUME OBJECTIVE CONSTRAINTS IN ECLIPSE PHOTON OPTIMIZER Thushant T Nair, Rugmini B
P-072	G2072	IMPLEMENTATION OF ECLIPSE SCRIPTING APPLICATION PROGRAMMING INTERFACE (ESAPI) TO EASE THE WORKFLOW OF CREATING REST/CROPPED STRUCTURES FOR VARIOUS TREATMENT SITES Deepak Mahor, Vinay Saini, Narender Kumar, Sanju, Alka Kataria, Sanjay Barman, Ashutosh Mukherjee, Satyajit Pradhan
P-073	B9907	HOW TO ARCHIVE ADEQUATE DOSE AND IMAGE QUALITY IN PEDIATRIC CHEST CT ? Renato Dimenstein, Douglas Carli Silva, Pamela Bertolazzi, Gabriel Lubke, Liza Suzuki
P-074	D7985	A DOSIMETRICAL STUDY OF CA LARYNGES GRADE-IV USING DOUBLE ARC RAPIDARC (RA) WITH CONVENTIONAL IMRT (7 FIELDS) TECHNIQUE Santosh Kumar, Satya Kumar, Alok Kumar, Rajesh Kumar Singh
P-075	A2766	DOSIMETRIC IMPACT OF AUTOMATICALLY CONVERTED RADIOTHERAPY PLANS BETWEEN TWO TOMOTHERAPY MACHINES Vidhi Soni, Vipul Vishal, Vidhan Soni
P-076	A8186	A DOSIMETRIC COMPARISON OF DIFFERENT PLANNING TECHNIQUE FOR HEAD AND NECK CANCER TREATMENT Vidhi Soni, Vipul Vishal, Nidhi Jain, Parneet Singh
P-077	H2205	TREATMENT RESPONSE ASSESSMENT USING PHOTOACOUSTIC IMAGING IN RADIOTHERAPY: A REVIEW Vipul Vishal, Sumana Halder, Vidhi Soni
P-078	S6493	CHROMATIC ABERRATION ANALYSIS BY SELECTIVE PLANE ILLUMINATION MICROSCOPY: FAST, LABOUR LESS AND 3D ANALYTICAL PROCEDURE Vipul Vishal, Sumana Halder, Vidhi Soni

P-079	X4741	BLADDER SEGMENTATION IN MRI FOR HIGH DOSE RATE BRACHYTHERAPY USING DEEP CONVOLUTIONAL NETWORK Suresh Das, Subhayan Mondal, Saumik Bhattacharya, Sayantari Ghosh
P-080	Y8521	DOSIMETRIC IMPACT OF AIR POCKETS IN THE VAGINAL CUFF BRACHYTHERAPY USING MODEL-BASED DOSE CALCULATION ALGORITHM Lakshmi Venkataramana Puriparthi, Anil Kumar Talluri, Akkineni NagaPrasanthi, Venkatappa RaoTumu, NVN MadhusudhanaSresty, Krishnam Raju Alluri
P-081	O1469	ESTIMATION OF VOLUMETRIC BREAST DENSITY FOR THE EARLY DETECTION OF BREAST CANCER: A STUDY IN GHANA Caroline Kachana Pwamang, Mary Boadu, Edem Sosu
P-082	H8689	DOSIMETRIC COMPARISON OF FLATTENED AND UNFLATTENED BEAM FOR HYPOFRACTIONATED VOLUMETRIC ARC RADIOTHERAPY Ratheesh K. E, Sherin J. Maxwell, Sunil N
P-083	M5948	CREATING A CT TEMPLATE-BASED ATTENUATION CORRECTION METHOD FOR PELVIC PET/MR IMAGING Kalpana Parajuli, Karuna Raya Chhetri, Usha Poudel Lamgade, Surendra Maharjan, Jarmo Teuho, Mika Teras
P-084	F6452	DIRECTION MODULATED BRACHYTHERAPY TANDEM APPLICATORS FOR TREATMENT PLANNING COMPARISON WITH THE AARHUS® HYBRID APPLICATOR Dylan Richeson, Suresh Chaudhari, Binod Manandhar, Sushil Beriwal, William Y Song
P-085	F9881	LINEAR ACCELERATOR RADIATION BUNKER SHIELDING INADEQUACY CONSTRUCTION ANOMALY – A REPORT Ramamoorthy Ravichandran, Tarani Mondal, Rajesh Kinhikar, Shrikant.N.Kale, Ravi Kannan
P-086	I3182	EVALUATION OF SET-UP ERRORS USING DELIVERY ANALYSIS AND ARC-CHECK IN RADIXACT X9 Unnimaya V.S, Sreedevi E, Debnarayan Dutta
P-087	Y9412	THE RADIATION-INDUCED CHARACTERISTIC SHIFT ON CONTROL-SEMICONDUCTORS USED IN LINAC HEAD Shyamprasad S, Christopher Varghese, Rijin NT, Mithun Mohan, Navin Singh, Shraddha Srivastava, Teerthraj Verma, M. L. B. Bhatt and M.M Musthafa
P-88	T4782	STANDARDISATION OF SURFACE GUIDED RADIATION THERAPY PHYSICS COMMISSIONING IN A MULTI-CAMPUS ORGANISATION Deepak Basaula, Jenny Lydon, Keith Offer, Sisira Herath, Rachitha Anthony, Joby Matthew, Deloar Hussain, Adam Yeo, Derrick Wanigaratne, Jidi Sun, Vanessa Panettieri, Tomas Kron
P-89	G4138	STUDY OF CAPABILITY OF DELIVERY ANALYSIS SYSTEM TO DETECT THE INTRAFRACTIONAL CHANGES DUE TO MOTION, INTERRUPTION AND THE PRESENCE OF GAS/AIR CAVITY IN RADIXACT DELIVERY SYSTEM Sreedevi E, Unnimaya V S, Debnarayan Dutta

P-090	F7678	DOSIMETRIC COMPARISON AND EVALUATION OF SINGLE ARC AND DOUBLE ARC VMAT PLANNING TECHNIQUES FOR PROSTATE CANCER Roshini V, Prabhu R, Sasipriya P, Shrividhya A, Manju K, Alex John Peter D
P-91	A8071	DOSIMETRIC EVALUATION OF CRANIOSPINAL IRRADIATION PLANNED WITH VMAT AND 3DCRT Ahamed Basith, Reshma Bhaskaran, Sushama P, Ajayakumar T
P-92	Abstract ID: D4344	EVALUATION OF EFFECTIVENESS OF VIRTUAL BOLUS AND SKIN DOSE FOR TOTAL SKULL IRRADIATION TREATED WITH HELICAL TOMOTHERAPY. Ashitha M K, Alma Peter, Amala N Kumar, Annex E H. Debnarayan Dutta
P-93	U1068	DETERMINATION OF PATIENT SET-UP ERROR FOR PELVIC RADIOTHERAPY: IS COMBINED-IMMOBILIZATION TECHNIQUE BETTER THAN CONVENTIONAL IMMOBILIZATION? G.Kesavan
P-94	Abstract ID: Q2947	TIME TO QUESTION ON USING GENERIC CALIBRATION COEFFICIENT (N_{pw}) FOR NON-STANDARD FIELDS (IMRT) CLINICAL REFERENCE DOSIMETRY: A PRELIMINARY STUDY Sathiyaraj Gowtham Raj, Sampath kumar, Sandeep kumar, Kadirampatti Ganesh
P-95	S2118	EVALUATION OF OPTIMAL MINIMUM SEGMENT WIDTH IN VOLUMETRIC MODULATED ARC THERAPY FOR PROSTATE CANCER-AN INSTITUTIONAL STUDY Gleetus Timothy, Sonu Goyal, Adarsh P P, Anet Abraham, Mary Joan
P-96	B8014	A RADIOTHERAPY TREATMENT PLANNING EVALUATION FOR BILATERAL BREAST CANCER USING SINGLE ISOCENTER VOLUMETRIC MODULATED ARC THERAPY Karthik S, Prabhu R, Shrividhya A
P-97	U4095	REAL TIME PATIENT IDENTIFICATION AI TOOL TO PREVENT PATIENT MISIDENTIFICATION IN RADIOTHERAPY Teerthraj Verma, Shriram Rajurkar, SP Mishra, MLB Bhatt
P-98	E6701	ENHANCING BRACHYTHERAPY PRECISION: EXPLORING THE DOSIMETRIC IMPACT OF VARIABLE POLYLACTIC ACID INFILL RATIOS IN 3D PRINTED PATIENT-SPECIFIC VAGINAL APPLICATORS Narender Kumar, Nithin P, Ninad Patil, Vinay Saini, Abhishek Singhal, Sanju, Alka Kataria, Sanjay Barman, Ashutosh Mukherji, Satyajit Pradhan
P-99	C8466	DOSIMETRIC SENSITIVITY TO VARIOUS COMMISSIONING MEASUREMENT ERRORS FOR A LIAC INTRAOPERATIVE ELECTRON-BEAM RADIOTHERAPY UNIT Mohammad Amin Mosleh-Shirazi, Razieh Rashidfar, Sareh Karbasi, Maziyar Mahdavi
P-100	G2861	ASSESSMENT OF THE USE OF SYNTHETIC CT PRODUCED BY DEFORMABLE IMAGE REGISTRATION OF PLANNING CT AND ON BOARD CBCT IN ADAPTIVE RADIOTHERAPY TREATMENTS OF HEAD AND NECK CANCERS Sanju Sanju, Alka Kataria

P-101	E3692	ETHOS - IMRT COMMISSIONING (TPS VALIDATION) BY USING MOBIUS 3D PHANTOM BASED ON TG-119 Naveen M1, Suresh Chaudhari2, Rampally Kumar3
P-102	R7541	DOSIMETRIC COMPARISON OF HELICAL TOMOTHERAPY® IMRT (HT-IMRT) AND VOLUMETRIC MODULATED ARC THERAPY (VMAT) FOR BILATERAL BREAST CARCINOMA. Megharaj V.Borade, Supriya M. Borade
P-103	W6836	LONGTERM EVALUATION OFCORRELATION BETWEEN DISEASE FREE SURVIVAL (DFS) VERSUS QUALITY ASSURANCE RESULT AND OTHER PERFORMANCE INDICATORS FOR THE BRAIN METASTASIS PATIENTS TREATED WITH STEREOTACTICRADIO SURGERY. Biplab Sarkar
P-104	Q1042	DOSIMETRIC ANALYSES OF CRITICAL ORGANS (KIDNEY,LIVER AND SPLEEN) OF PATIENTS WITH NEUROENDOCRINE TUMOURS TREATED WITH 177LU-DOTATATE Santosh Kumar Gupta, Jay prakash Kumar, Manojkumar Chauhan and Ravi Kumar Chauhan
P-105	U7197	DEVELOPING A REMOTE OPERABLE SMART EMERGENCY CONTAINER TO HANDLE POST EMERGENCY HDR BRACHYTHERAPY (COBALT – 60) SOURCE TRANSFER. Arup ratan Nandi, Bulbul Hossain,, Sukriti Das, Partha Sarathi Lakshman
P-106	U8968	IMPACT OF FLUENCE SMOOTHING ON STEP-N-SHOOT INTENSITY MODULATED RADIOTHERAPY PLANNING AND DELIVERY Megharaj V. Borade, Supriya M. Borade
P-107	D5005	IN-FIELD PLANAR DOSE STUDY IN CRANIAL RADIOTHERAPY TREATMENT PLANS USING OPTICALLY STIMULATED LUMINESCENCE DOSIMETER Amal Jose, Shaiju V.S., Raghukumar P
P-108	V9784	AI TOOL FOR PREDICTION OF HEART DOSE IN LEFT BREAST CANCER RADIOTHERAPY BASED ON ANATOMICAL DIMENSION Shriram Rajurkar, Teerthraj Verma, SP Mishra, MLB Bhatt
P-109	I7085	DOSIMETRIC COMPARISON OF DYNAMIC CONFORMAL ARC THERAPY STEREOTACTIC RADIOSURGERY AND VOLUMETRIC MODULATED ARC STEREOTACTIC RADIOTHERAPY FOR CARCINOMA BRAIN Suhani Pinto, Shree Kripa Rao, Krishna sharan , Shirley Salins, Srinidhi G.C
P-110	T8030	EVALUATION OF JUNCTION DOSE OF BIPHASE IRRADIATION OF ARTERIOVENOUS MALFORMATION (AVM): P-110 Arun Adhikari,Ashitha MK, Annex EH,Debnarayan Dutta

P-111	G5755	DEVELOPMENT OF AN ANTHROPOMORPHIC HETEROGENEOUS FEMALE PELVIC (AHFP) PHANTOM FOR DOSIMETRIC VERIFICATION OF ADVANCED RADIOTHERAPY TECHNIQUES Neha Yadav, Manisha Singh, S.P. Mishra
P-112	G8588	OCCUPATIONAL RADIATION EXPOSURES TO THE EYES, THYROID AND EXTREMITIES IN INTERVENTIONAL CARDIOLOGY PROCEDURES: EXPERIENCE IN A TERTIARY REFERRAL CENTRE Satish Chandra Uniyal, Vikram Singh, Anurag Rawat
P-113	N9802	AN INVESTIGATION ON THE DEPENDENCE OF EBT3GAFCHROMIC FILM ON ENERGY, DOSE, AND POST EXPOSURE SCANNING TIME Jibon Sharma, Banashree Kalita
P-114	B2835	AN INSTITUTIONAL EXPERIENCE OF PATIENT SPECIFIC QUALITY ASSURANCE OF TOMOTHERAPY CRANIOSPINAL IRRADIATION USING ARCCHECK Mayura S, Soumya N M, Annex E H, Debnarayan Dutta
P-115	O7751	A COMPARATIVE STUDY USING DIFFERENT FIELD WIDTHS IN HELICAL TOMOTHERAPY FOR HEAD AND NECK CANCERS AND PRE-TREATMENT QUALITY ASSURANCE OF THE SAME USING ARCCHECK Soumya N M, Mayura S, Anoop R, Debnarayan Dutta
P-116	B2159	FABRICATION OF UVC PORTABLE CHAMBER FOR CELL IRRADIATION Nishasri S, Sureka CS, Venkatraman P
P-117	R4641	A NOVEL PRACTICAL METHOD TO RETRIEVE DOSE LOST DURING HIGH DOSE RATE BRACHYTHERAPY: A MONTE CARLO STUDY Mandar S Bhagwat
P-118	J2669	ESTIMATION OF DOSE DIFFERENCE IN THE TREATMENT PLAN OF ARTERIOVENOUS MALFORMATIONS (AVM) STEREOTACTIC RADIOSURGERY(SRS) DUE TO ELECTRON DENSITY OF EMBOLIZATION MATERIAL ONYX-18 Irfad MP, AmithMohan, Muhsin P, Suraj, Sathyam, Puneet Pareek, Sonal Varshney
P-119	E7047	FLATTENING FILTER-FREE TECHNIQUE IN VOLUMETRIC MODULATED ARC THERAPY-BASED RADIOSURGERY FOR BRAIN METASTASIS: A DOSIMETRIC COMPARISON WITH THE FLATTENING FILTER TECHNIQUE Aravind S.
P-120	J4926	OBSERVATION STUDY TO ANALYSE DOSES RECEIVED BY PATIENT DURING CONE BEAM COMPUTED TOMOGRAPHY (CBCT) OF PELVIC REGION Jyoti Bisht, Ravi Kant, Meenu Gupta, Vipul Nautiyal, Viney Kumar, Rishabh Dobhal, Mushtaq Ahmad, Sunil Saini
P-121	B8834	DOSIMETRIC COMPARISON OF SCHWANNOMA FOR ROBOTIC

		RADIOSURGERY: COMPARISON WITH C-ARM LINEAR ACCELERATOR Deepak .P, Bhavya.P, Shridhar.P, Shyam.S, Pichandi.A, Suhas.R, Bhavin.V, Unmesh.M
P-122	K6600	EMPOWERING THE NEXT GENERATION: TEN YEARS' EXPERIENCE OF THE UK SCIENTIST TRAINING PROGRAMME Claire-Louise Chapple, Jemimah Eve
P-123	W4212	SMALL FIELD DOSIMETRY USING 0.01 CC CHAMBER AND DIODE DETECTOR Hetvi Usadadiya, Satish Pelagade, Jincy CD, Ankita Parikh
P-124	J5239	VERIFICATION OF BEAM QUALITY INDEX USING PERCENTAGE DEPTH DOSE MEASUREMENTS WITH RADIATION FIELD ANALYZER IN CLINICAL RADIOTHERAPY Warang Sagar Yashwant, Susanjita Biswal, Senthil Kumar P, Suresh Chaudhari
P-125	I2287	DOSIMETRIC COMPARISON OF LUNG PATIENTS TREATED WITH IMRT & RAPIDARC USING AAA AND AXB ALGORITHMS Alpa Langhanoda, Satish Pelagade, Suchitra Laishram, Ankita Parikh
P-126	R1221	EFFECT OF DETECTOR VOLUME AND INTERMEDIATE FIELD SIZE IN DETERMINATION OF FIELD OUTPUT FACTORS USING THE DAISY CHAIN CORRECTION METHOD Srayas Prasannakumar, Annex Edappattu Haridas, Ashitha M K
P-127	K7052	EVALUATING THE CORRELATION BETWEEN THE GAMMA PASSING RATE AND THE GRADIENT DOSE SEGMENTED ANALYSIS FOR VMAT TREATMENT PLANS Simoné Wiid, Christoffel van Reenen, Christoph Trauernicht
P-128	K2959	CORRELATION SEARCH BETWEEN "RADIOMIC FEATURES" AND LUNG TUMORS: STAGE, THERAPEUTIC SUCCESS & SURVIVAL TIME Hasin Anupama Azhari, Md. Ridwanur Rahman, Golam Abu Zakaria, Thomas Schrader
P-129	F1324	DOSE PREDICTION OF EBT3 GAFCHROMIC FILM USING SUPERVISED MACHINE LEARNING MODEL Saravjeet Kaur, Gaganpreet Singh, Arun S Oinam, Vivek Kumar
P-130	B9919	EFFECT OF VARIOUS PARAMETERS ON DOSIMETRY LEAF GAP MEASUREMENT FOR ROUNDED LEAF END MLC SYSTEM Raviraj Patel, Satish Pelagade, Ansu Sara Mani, Ankita Parikh
P-131	K3765	LEFT CHEST WALL IRRADIATION: COMPARISON OF DIFFERENT DOSIMETRIC INDICES OF O-RING LINEAR ACCELERATOR WITH DIFFERENT C-ARM LINEAR ACCELERATOR

		Palanivelu D, D.Khanna, P.Mohandass, M.Thiruma3, RJ.Raghul, Narendra Kumar Bhalla, Muhammed Ashik.M, Abhishek Puri
P-132	U8696	DOSIMETRIC COMPARISON OF MAXIMUM SPINAL CORD DOSE WITH DIFFERENT VERSIONS OF ECLIPSE TREATMENT PLANNING SYSTEM SOFTWARE DOSE CALCULATION ALGORITHM (AAA) FOR DIFFERENT TYPES OF HEAD AND NECK CANCERS S. Suvalakshmi, Dr. Biplab Sarkar, Mahasin Gazi, SubhraSnigdha Biswal, Kirubha George, Sandipan Roy Chowdhury, Prosenjit Soren, Supratip Kapat
P-133	A2788	ASSESSMENT OF VARIAN TRUE BEAM REAL-TIME POSITION MANAGEMENT (RPM) GATING SYSTEM FOR GATED IMRT DELIVERY IN BREAST CANCER PATIENTS: EVALUATION OF DOSIMETRIC IMPACT Laya, Vetrivel, Sabari,Suresh Choudhari
P-134	N8180	COMPARISON OF DOSE DISTRIBUTION TO THE TARGET VOLUME AND ORGANS AT RISK IN CARCINOMA CERVIX: A STUDY ON TWO INTRACAVITARY APPLICATORS FOR HDR BRACHYTHERAPY Vidhya Ramalingam, Kotiyala Venkata Jagannadh Rao Naidu, Manikumar singamsetty, Raghavendrarao V kolleru, Singamala subbarayudu, Suresh Chaudhari
P-135	L7271	DETECTION ACCURACY OF A LIGHT-SECTION METHOD-BASED 3D BODY SURFACE DETECTION SYSTEM INSTALLED IN A TREATMENT PLANNING CT ROOM Naoki Hayashi, Tatsunori Satito, Kazuki Onishi
P-136	H9600	REPRODUCIBILITY EVALUATION OF THE MONACO OPTIMIZATION ALGORITHM IN EXTERNAL BEAM RADIOTHERAPY PLANNING SOFTWARE: A STUDY ON HEAD AND NECK CANCER PATIENTS Vidhya Ramalingam, Sathyaraj P, Ganesan Bharanidharan
P-137	R9988	IN RAPID ARC THERAPY FOR PROSTATE CANCER, A COMPARISON OF DOSE STATISTICS FOR THE BLADDER WALL AND THE RECTUM WALL VERSUS THE ENTIRE ORGAN YIELDS ENCOURAGING RESULTS Soumya Roy, Anusheel Munshi, Biplab Sarka, Anirudh Pradhan,Maria Asha
P-138	V6240	COMMISSIONING, EVALUATION AND QA ANALYTICS USING QATRACK+: AN OPENSOURCE COMPREHENSIVE RADIOTHERAPY QA SOFTWARE Amit Kumar, Gaganpreet Singh, Arun S Oinam
P-139	F7995	VERIFICATION OF INTENSITY MODULATED RADIATION THERAPY (IMRT) PLAN DELIVERY USING GAMMA ANALYSIS WITH EPID AND POINT DOSE MEASUREMENT Susanjita Biswal, Warang Sagar Yashwant,Senthil Kumar P, Suresh Chaudhari
P-140	I3872	PERSPECTIVE ON AUTOMATED IMAGE SEGMENTATION OF THEBRAIN FOR RADIOTHERAPY WITH DIFFERENT T1 AND T2, MRI SEQUENCES Akash T.G., Niya Mariya Baby,Sreedevi E,Annex EH, Debnarayana Datta

P-141	E7199	DOSE-RESPONSE RELATIONSHIP OF ¹⁷⁷ LU-DOTATATE(LUTATE) ON NEUROENDOCRINE TUMOUR (NET) PATIENTS TREATED WITH PEPTIDE RECEPTOR RADIONUCLIDE THERAPY (PRRT): RETROSPECTIVE STUDY Madhulika Mehrotra, Sanjana Ballal, Prashant Mishra, Chandrasekhar Bal
P-142	E2483	ASSESSMENT OF THE USE OF ELECTRONIC PORTAL IMAGING DEVICE FOR PATIENT-SPECIFIC QUALITY ASSURANCE IN VOLUMETRIC MODULATED ARC THERAPY Aswani Janardhanan, Anna George, Arunkumar Kesavan, Suresh Chaudhari
P-143	R8780	DOSIMETRIC ASSESSMENT OF HEART AND LUNG IN CANCER ESOPHAGUS PATIENTS TREATED BY CHEMORADIATION Jyothi N, Shambhavi C, Sarath S Nair, Krishna Sharan
P-144	V7526	DESIGNING A BEAM SHAPING ASSEMBLY FOR ACCELERATOR DRIVEN BORON NEUTRON CAPTURE THERAPY (AD-BNCT) Dimpal Saikia, Mridula Baro, Sandeep S Ghugre, Abhijit Barthakur, Kalyanee Baruah, Jiban Jyoti Das, Moon Moon Devi, Sachindra Goswami, Betylda Jyrwa ⁷ , Anup K. Nath ² , Mahadev Patgiri ² , Rajarshi Raut ³ , Prakash Chandra Rout ⁸ , S. Santra ⁸ , Jibon Sharma ¹ , Shashi Sharma, Ganesh Chandra Wary ²
P-145	Q5659	OPTIMAL LIBRARY SIZE DETERMINATION FOR RAPID PLAN KNOWLEDGE-BASED PLANNING SYSTEM Subhra S. Biswal, Biplab Sarkar, Monika Goyal
P-146	N9841	COMPARISON OF PRE-TREATMENT QUALITY ASSURANCE OF RAPID ARC PLANS WITH DIFFERENT DOSE GRID SIZES USING ARC CHECK AND PORTAL DOSIMETRY Srinu Aketi, Parasa Prasad, Venkata Krishna Reddy P. Palanikkannu M
P-147	U4527	DOSIMETRIC EVALUATION OF THE COLLAPSED CONE ALGORITHM CALCULATED RADIOTHERAPY PLANS IN IMRT AND VMAT FOR THORACIC TUMORS Atul Mishra, Kailash Kumar Mittal, Anoop Kumar Srivastava, Surendra Prasad Mishra, Surendrakumar Dayashankar Maurya
P-148	D7014	EVALUATION OF SURFACE DOSE FOR FLATTENING FILTER AND FLATTENING FILTER FREE PHOTON BEAMS IN VARIAN TRUE BEAM MEDICAL LINEAR ACCELERATOR: A COMPARATIVE STUDY Ankit Yadav, Kulbir Singh, ManGobinda Chowdhary, Munish Kumar, Gaurav Choudhary, Suresh Chaudhari
P-149	P4260	USEFULNESS OF LOCALLY CONSTRUCTED PHANTOMS FOR THE VALIDATION OF PLANNED RADIATION FOR BREAST CANCER RADIOTHERAPY TREATMENT Theresa Bebaaku Dery, Adolf Kofi Adolf, Samuel Nii Tagoe, Joseph Amoako, Paul Kingsley Buah-Bassuah
P-150	L9849	DOSIMETRIC EVALUATION OF VOLUMETRIC ARC THERAPY (VMAT) AND DYNAMIC INTENSITY MODULATED RADIOTHERAPY (IMRT) IN GLIOBLASTOMA Anoop Kumar Srivastava, Farhana Khatoon, Anupam P B, Abu Musha Shah, S P Mishra, Rohini Khurana, Madhup Rastogi

P-151	I7125	INTRAFRACTION MOTION AND POSITIONING UNCERTAINTIES IN STEREOTACTIC GAMMA KNIFE IMAGE-GUIDED RADIOSURGERY USING CONE BEAM CT Nandakarthik, Ponnusamy, Banumathy, Dhaval Shukla
P-152	T8005	DEVELOPMENT AND CHARACTERIZATION OF A NOVEL BOLUS FOR PHOTON AND ELECTRON THERAPY Kazuki Kubo, Hajime Monzen, Kenji Nakamura, Hiroshi Doi, Takuya Uehara, Masakazu Otsuka, Kenji Matsumoto
P-153	L1036	POTENTIAL OF EXPLAINABLE ARTIFICIAL INTELLIGENCE (XAI) IN RADIOTHERAPY Sumana Halder, Arita Halder
P-154	P5709	MATHEMATICAL RELATIONSHIP BETWEEN LEFT CORONARY ARTERY AND HEART DOSE AND ITS CORRELATION WITH LONG TERM ISCHEMIC HEART DISEASE Sudipta Santra, Biplab Sarkar, Suresh Yadav, Suryanshu Choudhary
P-155	D6792	ADAPTIVE PLANNING FOR INTER FRACTIONAL CHANGES IN TOMOTHERAPY MACHINE Amala N Kumar, Soumya N M, Annop R, Debnarayan Dutta
P-156	B6196	RADIATION FROM RADON INDOOR AND BUILDING MATERIALS. RISK ASSESSMENT AND MANAGEMENT Luca Gentile, Marco Simone Ravera, Diego Chiapale, Massimiliano Porzio, Camilla Lion ¹ , Daniela Rembado
P-157	H3607	VALIDATION OF UNFLATTENED PHOTON BEAM DOSIMETRY ON A HYPERARC TRUEBEAM TM ACCELERATOR WITH AN SNC125C THIMBLE IONIZATION CHAMBER USING A CYLINDRICAL WATER SCANNING SYSTEM Saravana Kumar A, Govindarajan KN, Rajadurai E
P-158	J3184	PLANNING DOSE EVALUATION AND OPTIMIZATION FOR HEART AND LUNG DOSE BY DIBH AND FREE BREATHING FOR LEFT SIDE BREAST CANCER Md. Mokhlesur Rahman ¹ , Md. Abdul Mazed ¹ , Md. ZulkarNaen ¹ , Md. Khairul Islam ³ , Md. Anwarul Islam ² , Md. Khairul Islam ⁴
P-159	M5781	EVALUATION OF WORKFLOW IN PELVIC PATIENTS USING SURFACE GUIDED RADIOTHERAPY WITH INTER-FRACTIONAL SIX-DIMENSIONAL SETUP Sumanta Manna ¹ , Sharad Singh ² , Pramod Kumar Gupta ² , Ragul T ¹
P-160	H4594	STUDYING THE IMPACT OF FINITE SIZED IONISATION CHAMBER ON GAMMA ANALYSIS (PATIENT SPECIFIC QA) DUE TO BEAM PROFILE PENUMBRA BROADENING Hitesh Bisht ¹ , Anurupa Mahata ² , Samar Mandal ³
P-161	H5172	FAN BEAM (TOMOTHERAPY) VS CONE BEAM (NOVALIS TX) BASED TREATMENT PLANNING DOSIMETRY FOR CERVICAL CARCINOMA PATIENTS WITH PARA-AORTIC NODAL INVOLVEMENT

		¹ Lakshmi Venkataramana Puriparthi, ¹ Anil Kumar Talluri, ¹ Akkineni Naga Prasanthi, ² Venkatappa Rao Tumu, ¹ NVN Madhusudhana Sresty, ¹ Krishnam Raju Alluri
P-162	N8811	VARIATIONS IN PATIENT DOSE AND EXPOSURE PARAMETERS IN ABDOMINAL RADIOGRAPHY: A COMPARATIVE ANALYSIS Sachith Welarathna ^{1,2} , Sivakumar Velautham ² , Sivananthan Sarasanandarajah ³
P-163	L2836	THE EFFECT OF DWELL TIME GRADIENT RESTRICTION ON TREATMENT PLAN USING HYBRID INVERSE PLAN AND OPTIMIZATION IN MANAGEMENT OF CERVICAL CANCER WITH INTERSTITIAL HDR BRACHYTHERAPY Chandrasekar G
P-164	Q4417	ROLE OF MR IMAGING IN THE EVALUATION OF PITUITARY LESIONS Mehrdad Baranzehi, Zeynab Yazdi Sotoodeh, Mahdiyeh Zarei
P-165	D1976	VOLUMETRIC MODULATED ARC THERAPY (VMAT) CRANIOSPINAL IMAGE-GUIDED RADIOTHERAPY EXPERIENCE USING AN ADVANCED RING GANTRY LINAC IN A LOWER-INCOME COUNTRY Milton Ixquiaic ¹ , Erick Montenegro ¹ , Edgar Ruiz ¹ , Vicky de Falla ¹ , Osmar Hernandez ¹ , Franky
P-166	W8178	MULTISCALE DIGITAL TWINS FOR PRECISION DOSIMETRY AND CELL SURVIVAL OUTCOMES IN RADIATION TREATMENTS Anuj J. Kapadia ¹ , Paul Inman ¹ , Ashok Tiwari ¹ , Debsindhu Bhowmik ¹ , Matthew Andriotty ² , Zakaria Aboulbanine ¹ , and Greeshma A. Agasthya ¹
P-167	D5098	ACCESS TO STEREOTACTIC RADIOSURGERY TREATMENT IN AFRICA: PRACTICAL GUIDELINES FOR IMPLEMENTATION Emmanuel Fiagbedzi
P-168	C1609	RADIATION PROTECTION EFFICIENCY OF HIGH DENSITY CONCRETES: A COMPARATIVE STUDY Amandeep Sharma
P-169	V9731	STATISTICAL ANALYSIS OF EXPOSURE LEVELS FOR MEDICAL RADIATION WORKERS DURING 2011-2021 Seethal Johnson, Arshad Khan and B K Sapra
P-170	J7107	IMPACT OF SPOT PARAMETER SELECTION ON LINEAR ENERGY TRANSFER DISTRIBUTION IN HEAD AND NECK INTENSITY-MODULATED PROTON THERAPY Vysakh Raveendran, ¹ Prakash Shinde, ¹ Shwetabh Sinha, ¹ Ranjith C P, ¹ Lalit Chaudhari, ¹ Anuj Kumar, ¹ Samarpita Mohanty, ¹ Sarbani Ghosh Laskar, ² Siddhartha Laskar ²
P-171	K4107	MATERIAL DECOMPOSITION USING IODINE QUANTIFICATION ON SPECTRAL CT FOR CHARACTERIZING NODULES IN THE CIRRHOTIC LIVER Subhash Chand Kheruka, Ravi Balaji, Rashid Al Sukati, Naema Almaymani,

		Noura Al Makhmari
P-172	D6167	ESTIMATION OF THE THERMAL AND HUMIDITY-DEPENDENT DOSE RESPONSE FOR THE GAFCHROMIC EBT3FILM AND ITS CLINICAL RELEVANCE Gaurav Trivedi, Pushpendra P. Singh, Arun S. Oinam
P-173	N7589	THE INFLUENCE MATERIAL ASSIGNMENT UNCERTAINTY ON AcurosXB DOSE CALCULATION ACCURACY Perumal Murugan, Ravikumar Manickam, Tamilarasan Rajamanickam, Sivakumar Muthu, Dineasan C, Karthik Appunu, Abishake Murali
P-174	F7319	CLINICAL IMPLEMENTATION OF DYNAMIC BEAM FLATTENING (DBF) MLC PATTERN ON HALCYON FOR 3DCRT Ben Johnson Varghese, Mohan Raj Uthiran, Siva Kumar Radhakrishnan, Lakshmana Perumal S, Saran Raj V, Raja Babu CH, Jagan C
P-175	K1753	ARTIFICIAL INTELLIGENCE IN NUCLEAR MEDICINE IMAGING: REVOLUTIONIZING DIAGNOSIS AND TREATMENT Pankaj Tandon
P-176	H7400	COMPARISON OF DOSIMETRIC PARAMETERS OF MONO VERSUS MULTI-ISOCENTRIC TECHNIQUE FOR MULTIPLE BRAIN METASTASIS: A SINGLE INSTITUTIONAL EXPERIENCE Swapna Gayen ¹ , Priyanka Agarwal, Ninad Patil, Vishal Gangwar, Dandpani Epili, Ajay Krishnan, Ajay Choubey, Sambit Nanda, Ashutosh Mukherji, Satyajit Pradhan
P-177	G4384	RETROSPECTIVE ANALYSIS OF PORTAL DOSIMETRY WITH EPID: PRE-TREATMENT QA OF VARIOUS CLINICAL SITES USING 4 LINEAR ACCELERATORS ¹ Tanya Bahl, ² Udita Upreti, ² Priyadarshini Sahoo, ² R.A.Kinhikar
P-178	N5288	DOSIMETRIC COMPARISON OF TWO-ARC VS THREE-ARC VOLUMETRIC MODULATED ARC THERAPY (VMAT) FOR HEAD AND NECK PATIENTS WITH A SIMULTANEOUS INTEGRATED BOOST (SIB) TECHNIQUE Rajkumar Chauhan, Suresh Chaudhari, Sushree Chaudhari, Jui Deb
P-179	K6433	EVALUATION OF PLANNED AND DELIVERED DOSES IN OVERLAP REGION DURING TOTAL BODY IRRADIATION (TBI) USING OPTICALLY STIMULATED LUMINESCENCE DOSIMETERS (OSLDS) IN PATIENTS TREATED ON TOMOTHERAPY Abhay Kumar Singh ¹ , Manindra Bhushan ¹ , Sandeep Singh ¹ , Dipesh ¹ , Jaskaran Singh Sethi ¹ , Varghese Antony ¹ , Munish Gairola ¹
P-180	R6295	DETERMINATION OF REFERENCE AIR KERMA RATE FOR HIGH DOSE RATE BRACHYTHERAPY COBALT - 60 SOURCE THROUGH GEOMETRIC SEQUENCE NUMERICAL METHOD AND COMPARISON WITH THE TPS & MEASURED VALUE.

		Athiyaman M, Hemalatha A, Gokulraj A
P-181	H9002	DEEP INSPIRATION BREATH-HOLD (DIBH) AND FREE BREATHING (FB) RADIATION THERAPY IN LEFT-SIDED BREAST CANCER PATIENTS: A SINGLE-INSTITUTION RETROSPECTIVE DOSIMETRIC ANALYSIS Md. Jobairul Islam ¹ , Md. Abdul Mannan ¹ , Md. Mahfujur Rahman ² , A. Al. Mamun ¹ , AFM Kamal Uddin ¹ , Mostafa Aziz Sumon ¹ , Parvin Akhter Banu ¹ , Ehteshamul Hoque ¹
P-182	Q6390	TO STUDY THE POLYMERIZATION REACTION IN GAFCHROMIC FILM DOSIMETRY AND THE PARABOLA EFFECT IN DOSE DETERMINATION BY FLATBED SCANNER. Ranjit Singh, Parsee Tomar, Ngangom Robert
P-183	H7366	PAROTID GLANDS DOSES IN PALLIATIVE WHOLE BRAIN RADIOTHERAPY: A RETROSPECTIVE EVALUATION Prashantkumar Shinde, Maheshkumar Upasani, Parimal Patwe, Mukesh Meshram, Hemant Ghare, Manish Mathankar, Sameer Chandorkar
P-184	N9622	A STUDY ON VMAT PLAN OPTIMIZATION STRATEGIES -EFFECT OF MULTI RESOLUTION (MR) LEVELS IN TREATMENT PLAN OPTIMIZATION WITH PHOTON OPTIMIZER (PO) IN THE ECLIPSE TREATMENT PLANNING SYSTEM Avdhoot Sutar, Sushant Raniwala, Yogesh Ghadi, Shrikant kale, Rituraj Upreti, Rajesh Kinhikar, Sarbani Ghosh-Laskar, J. P. Agarwal
P-185	A7902	THE IMPACT OF STATE RECOGNITION TO JOB POSITION OF THE MEDICAL PHYSICIST IN INDONESIA: SURVEY STUDY FROM 2015 – 2021 Supriyanto Ardjo Pawiro ^{1,2} , Lukmanda Evan Lubis ^{1,2} , Ika Hariyati ² , Indah Lestariningsih ² , Djarwani Soeharso Soejoko ¹
P-186	Y3180	A PRELIMINARY STUDY OF CW-OSL AND TL OF LICAALF ₆ : EU PHOSPHOR Pooja Seth ¹ , Anuj Soni ² , Shruti Aggarwal ¹
P-187	T5086	WATER PHANTOM FOR PATIENT SPECIFIC QA OF IMRT AND VMAT Sunilkanth Mishra
P-188	W9925	VALIDATION OF BEAM MODEL IN RAYSTATION TREATMENT PLANNING SYSTEM FOR PENCIL BEAM SCANNING PROTON BEAM THERAPY Rohidas Punde ¹ , Ranjith C P ¹ , Prakash Shinde ¹ , Lalit Chaudhari ¹ , Siddharth Laskar ²
P-189	C7348	DOSIMETRIC ANALYSIS FOR ENERGY SELECTION OF FLATTENING FILTER FREEBEAM IN SINGLE TARGET INTRACRANIAL STEREOTACTIC RADIO SURGERY TREATMENTS.

		Pawan Kumar Yadav, Supratik Sen
P-190	O8509	INFLUENCE OF THE HYSTERESIS OF THE COLLIMATOR IN SMALL FIELD OUTPUT FACTORS Nithyashree, Sathiya Raj, Shwetha B, Kadirampatti Ganesh
P-191	L4761	QUALITY ASSURANCE TESTS PERFORMED ON THE LEKSELL GAMMA KNIFE ICON TREATMENT UNIT. N. Ponnusamy ^{1,3} , Senthil Manikandan ² , M. Muthuvinyagam ³ , S. Asath bahadur ^{3*} , Dwarakanath Srinivas ¹ , Bhanumathy ¹
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P-243	H7023	ESTIMATING ^{99m}Tc -METHYLENE DIPHOSPHONATE IMAGE FROM ITS NOISY VERSION USING HARMONIC MEAN FILTER Beauty Rani, Anil Kumar Pandey, Chetan Patel, Rakesh Kumar
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