

ARTTICON-2015

31ST OCTOBER & 1ST NOVEMBER 2015

**6th International & 19th National Conference of Association of Radiation Therapy
Technologists of India**

Venue: CRNN (CENTRE FOR RESEARCH IN NANOSCIENCE AND NANOTECHNOLOGY)

JD Block-2, Salt Lake City, Sector-III, Kolkata-700098, West Bengal, India

DAY 1 : SATURDAY 31ST OCTOBER 2015

8.00AM – 9.00AM: REGISTRATION & BREAKFAST

9.00AM – 9.10AM: WELCOME SPEECH

SCIENTIFIC SESSION- 1: 1ST IMAGING & VERIFICATION (9.10 – 10.00AM)

Chair person's: **Prof.Dr. Debabrata Mitra, Dr. Bipasha Pal, Mr. George Biju**

9.10-9.30AM: I-1: **Dr. Dayanand Shamurailatpam Sharma**, RSO cum Chief Medical Physicist,
Kokilaben dhirubhai ambani hospital & research institute, Mumbai

Topic: **"PATIENT SPECIFIC QA WITH LATEST TECHNOLOGIES"**

9.30-9.40AM: O-1: **Mr. Sunil. V Janerkar**, HCG Cancer Centre, Ahmedabad

Topic: **"ROLE OF DAILY IMAGING & VERIFICATION IN PELVIC CANCER: RTT PERSPECTIVE"**

9.40-9.50AM: O-2: **Mr. PRASANTA MAJUMDER**, BHARAT CANCER HOSPITAL & RESEARCH
INSTITUTE, GUJRAT

Topic: **"A SMALL CHANGE IN PATIENT NECK POSITION CAN SIGNIFICANTLY, REDUCE DOSE TO OARS
DURING SCF TREATMENT IN CA BREAST"**

9.50-10.00AM: O-3: **MR. SANTOSH S PRADHAN**, Inlaks & Budhrani Hospital, Pune

Topic: **"MEASUREMENT OF INTER-FRACTIONAL AND INTRA-FRACTIONAL ERROR OF ABDOMEN-PELVIC
BONY ANATOMY USING CBCT"**

SCIENTIFIC SESSION-2: RECENT ADVANCED TECHNOLOGIES (10.00-10.50AM)

Chair person's: **Prof.Dr. Shyamal Kumar Sarkar, Mr. Suresh Das, Mr. Rakesh Kaul**

10.00-10.20AM: I-2: **DR. SUNIL DUTT SHARMA**, SCIENTIFIC OFFICER, HEAD MEDICAL PHYSICS SECTION, B.A.R.C. MUMBAI

Topic: **"PHYSICAL ASPECTS OF PROTON AND HEAVY ION THERAPY"**

10.20-10.30AM: O-4: **MD. MANSUR ALI**, HCG CANCER CENTRE, GULBARGA

Topic: **"RETROSPECTIVE STUDY OF 3DCRT TREATMENT WITH CUSTOMIZED SHIELDING BLOCKS V/S MLC(As a cost effective in a rural areas with a non MLC based LINAC)"**

10.30-10.40AM: O-5: **MR. DEEPAK KUMAR**, MAX HOSPITAL SAKET, NEW DELHI

Topic: **"ADAPTIVE RADIATION THERAPY (ART)"**

10.40-10.50AM: O-6: **MR. PARITOSH MONDAL**, MAX HOSPITAL PPG, NEW DELHI

Topic: **"ROLE OF RADIATION THERAPY TECHNOLOGIST FOR TOTAL SKIN ELECTRON THERAPY (TSET)"**

10.50-11.10AM: POSTER SESSION I & TEA BREAK

SCIENTIFIC SESSION-3: PROTECTION & SAFETY (11.10AM-12.00PM)

Chair person's: **Prof.Dr. Siddhartha Basu, Ms. J Jayanti, Mr. Darpa Narayan Roy**

11.10-11.30AM: I-3: **Dr. P.K. DASH SHARMA**, SOG, AERB, MUMBAI

Topic: **"Radiation Therapy Technologists in India : Regulatory Perspective"**

11.30-11.40AM: G-1: **MR. C S MAGAI**, TECHNICAL OFFICER, TATA MEMORIAL HOSPITAL, MUMBAI

Topic: **"ROIS: PAST, PRESENT & FUTURE"**

11.40-11.50AM: O-7: **MS. SOUMYA MISHRA**, JIPMER, PONDICHERRY

Topic: **"PROTECTION FROM INDUCED-RADIOACTIVITY IN HIGH ENERGY MEDICAL LINAC"**

11.50AM-12.00PM: O-8: **MS. SWAPNA PARSHETYE**, TMH, MUMBAI

Topic: **"THE MANAGEMENT OF RADIATION TREATMENT ERRORS THROUGH INCIDENT REPORTING LEARNING"**

SCIENTIFIC SESSION-4: 1st SETUP & IMMOBILIZATION (12.00PM-1.00PM)

Chair person's: **Prof. Dr. Avijit Basu, Dr. Somapriya Basu Roy, Mr. Amit Pal**

12.00-12.20PM: **ELEKTA**

12.20-12.30PM: G-2: **DR. AMITABH RAY**, APOLLO HOSPITAL, KOLKATA

Topic: **"ON BOARD IMAGING"**

12.30-12.40PM: O-9: **MR. TRILOCHANA SWAIN**, HCG PANDA CURIE CANCER HOSPITAL, CUTTAK

Topic: **"IMPACT OF PATIENT SETUP ERROR IN THE TREATMENT OF HEAD AND NECK CANCER WITH IMRT"**

12.40-12.50PM: O-10: **MR. C FRANKLIN PRABUDOSS**, HCG, CHENNAI

Topic: **"BLADDER-FILLING INSTRUCTIONS TO ACHIEVE A CONSISTENT BLADDER VOLUME, COMPARATIVE STUDY"**

12.50-1.00PM: O-11: **MS. INDRANI MUKHERJEE**, TMH, MUMBAI

Topic: **"SET UP OF BREAST PATIENT IN PRONE POSITION"**

1.00-2.00PM: LUNCH

SCIENTIFIC SESSION-5: 2nd IMAGING & VERIFICATION (2.00-3.05PM)

Chair person's: **Prof. Dr. Asit Ranjan Deb, Mr. Jayanta Pal, Mr. Tapas Kar**

2.00-2.20PM: I-4: **MR. ANDY BAHNERTH**, Technical Engineer, Erasmus MC Cancer center, Rotterdam, The Netherlands

Topic: **"NEW DEVELOPMENTS IN HEAD & NECK PATIENTS IMMOBILIZATION TECHNIQUES"**

2.20-2.30PM: O-12: **MS. CHETANA VARTAK**, TMH, MUMBAI

Topic: **"4D CT PLANNING & TREATMENT VERIFICATION FOR GI TUMOURS"**

2.30-2.45PM: **BEST THERATRONICS**

2.45-2.55PM: O-13: **MS. SHWETA CHAVAN**, KOKILABEN DHIRUBHAI AMBANI HOSPITAL, MUMBAI

Topic: **"EVALUATION OF INTER-FRACTIONAL VARIATION IN BLADDER VOLUME DURING IMAGE GUIDED IMRT OF PELVIS REGION PATIENT"**

2.55-3.05PM: O-14: **MR. MUKUL PAL**, DEEPAK HOSPITAL,TOWN HALL, MH

Topic: **"SETUP VERIFICATION BY ULTRASOUND BASED IGRT SYSTEM"**

SCIENTIFIC SESSION-6: QUALITY CONTROL (3.05-4.45PM)

Chair person's: **Dr. Gautam Bhattacharjee, Mr. Dibyendu Sen, Mr. Niladri Saha**

3.05-3.25PM: I-5: **PROF. DR. RAMESH S BILIMAGGA**, MEDICAL DIRECTOR, HEALTH CARE GLOBAL ENTERPRISES LTD. BANGALORE

Topic: **"SBRT & It's challenges"**

3.25-3.40PM: **VARIAN-I**

3.40-3.50PM: G-3: **MR. KOUSIK GHOSH**, CHIEF MEDICAL PHYSICIST CUM RSO, R G KAR MEDICAL COLLEGE & HOSPITAL, KOLKATA

Topic: **"COBALT BRACHYTHERAPY"**

3.50-4.00PM: O-15: **MR. AKSHAY KAMBLE**, IAEA, MUMBAI

Topic: **"TECHNICAL ASPECTS IN SETUP OF OCTAVIUS 4D PHANTOM FOR IMRT QA"**

4.00-4.10PM: O-16: **MR. AVIJIT DAS**, BANKURA SAMMILANI MEDICAL COLLEGE & HOSPITAL

Topic: **"ANALYSIS OF TREATMENT DELAY AND DROP-OUTS OF HEAD & NECK MALIGNANCY UNDERGOING RADIOTHERAPY IN A RURAL MEDICAL COLLEGE"**

4.10-4.20PM: O-17: **MR. SUBRATA ROY**, HCG, Bangalore,

Topic: **"COMPARISON OF CBCT IMAGE QUALITY ACQUIRED WITH FLATTENED (6MV) & UNFLATTEND (1MV) BEAM"**

4.20-4.30PM: O-18: **MR. MANISH ASHOK BHOSALE**, Sir H N Reliance Foundation Hospital and Research Centre, Mumbai

Topic: **"SAFE AND EFFICIENT RADIOTHERAPY BY MOVING TO PAPERLESS RECORD AND VERIFICATION SYSTEMS"**

4.30-4.40PM: O-19: **MR. RAJINESH KUMAR O K**, Malabar Cancer Centre, Kerala

Topic: **"IMPACT OF RADIOTHERAPY VOLUME ON WEIGHT LOSS IN PATIENTS UNDERGOING RADIOTHERAPY FOR HEAD & NECK CANCER"**

4.40-4.45PM: HEALTHCARE SECTOR SKILL COUNCIL (HSSC)

Topic: **"NATIONAL OCCUPATIONAL STANDARDS FOR RADIATION THERAPY TECHNOLOGIST"**

4.45-5.00PM: TEA BREAK

5.00-5.30PM: SBRT IMMOBILIZATION BY POCL

5.30-6.30PM: INAUGURATION & GUNILLA BENTEL ORATION AWARD

6.30-9.00PM: DINNER

DAY 2 : SUNDAY 1ST NOVEMBER 2015

8.00AM – 9.00AM: REGISTRATION & BREAKFAST

SCIENTIFIC SESSION-7: 2nd SETUP & IMMOBILIZATION (9.00AM-10.00AM)

Chair person's: **Dr. Saurav Dutta, Mr. Srimanta Pramanik, Mr. Suman Chatterjee**

9.00-9.10AM: I-6: **DR. KAUSTAV TALAPATRA**, RADIATION ONCOLOGIST, KOKILABEN DHIRUBHAI AMBANI HOSPITAL & RESEARCH INSTITUTE, MUMBAI

Topic: **"PET-CT BASED PLANNING IN RADIOTHERAPY "**

9.10-9.20AM: G-4: **DR. SWAPNENDU BASU**, RADIATION ONCOLOGIST, MEDICA, NORTH BENGAL

Topic: **"TOTAL BODY IRRADIATION"**

9.20-9.30AM: G-5: **MR. GURVINDER SINGH WADHAWAN**, CHIEF RTT, RAJIV GANDHI CANCER INSTITUTE & RESEARCH CENTRE, DELHI

Topic: **"TURNING ERA OF RTTS IN RADIOTHERAPY TECHNOLOGY"**

9.30-9.40AM: O-20: **MR. PRASANTA KUMAR RAY**, CHITTARANJAN NATIONAL CANCER INSTITUTE, KOLKATA

Topic: **"A COMPARATIVE STUDY ON REDUCTION OF PLANING TUMOUR VOLUME MARGINS USING CONE BEAM CT(XVI) AND ELECTRONIC PORTAL IMAGING DEVICE(EPID) FOR THE SET-UP VERIFICATION IN THE CASE OF BRAIN TUMOURS"**

9.40-9.50AM: O-21: **MS. MOUSUMI NATH SHARMA**, JAYPEE HOSPITAL, NOIDA

Topic: **"COMPARATIVE STUDY OF VACLOC –THERMOPLASTIC IMMOBILIZATION SYSTEM FOR SETUP ACCURACY"**

9.50-10.00AM: O-22: **MR. JERIN MATHEW**, Sir H N Reliance Foundation Hospital and Research Centre, Mumbai.

Topic: **"STUDY OF PELVIC IMMOBILIZATION SYSTEMS WITH PERFECT PITCH 6 DOF COUCH"**

SCIENTIFIC SESSION-8: 3rd IMAGING & VERIFICATION (10.00-11.00AM)

Chair Person's: **Prof.Dr. Santanu Pal, Mr. Appari Sridhar , Mr. Ashok Reddy**

10.00-10.10AM: **VARIAN-II**

10.10-10.20AM: G-6 **MR. MANOJ GOPINATH PILLAI**, CHIEF RTT, MAHAVIR CANCER SANSTHAN, PATNA

Topic: **"LINAC-BASED STEREOTACTIC RADIOTHERAPY"**

10.20-10.30AM: O-23: **MR. SANEG KRISHNAN KUTTY**, FORTIS MEMORIAL RESEARCH INSTITUTE, GURGAON

Topic: **"LUNG STEREOTACTIC BODY RADIOTHERAPY: ESTIMATION OF CTV TO PTV MARGIN IN A DUAL IMAGING ENVIRONMENT USING PORTAL IMAGING DEVICE AND CONE BEAM CT"**

10.30-10.40AM: O-24: **MR. SHIVAPPA KP**, HCG, Bangalore

Topic: **"ANALYSIS AND EVALUTION OF HEAD AND NECK IMMOBILAZATION USING PRETREATMENT MVCBCT BASED IMAGE GUIDANCE"**

10.40-10.50AM: O-25: **MR. RAJESH KUMAR**, Postgraduate Institute of Medical Education And Research Chandigarh

Topic: **"A COMPARISON BETWEEN AUTOMATIC VS MANUAL MATCH PROCESS FOR CONE- BEAM COMPUTED TOMOGRAPHY FOR LOCALIZATION OF HEAD & NECK AND PELVIC TUMORS"**

10.50-11.00AM: O-26: **MR. SOURAV MOJUMDER**, MEDANTA MEDICITY, GURGAON

Topic: **"COMPARISON BETWEEN DAILY AND ALTERNATIVE DAY IMAGING IN CORRECTING POSITIONING ERROR OF CERVICAL CANCER PATIENTS"**

11.00-11.20AM: POSTER SESSION II & TEA BREAK

SCIENTIFIC SESSION-9: 3rd SETUP & IMMOBILIZATION (11.20AM-12.10AM)

Chair person's: **Dr. Kakali Chowdhury, Dr. Arijit Sen, Mr. Anupom Mallick**

11.20-11.30AM: O-27: **MR. UMA MAHESHWARAN**, Apollo CBCC Cancer Care, Ahmedabad, Gujarat

Topic: **"SELECTION OF PROPER IMMOBILIZATION DEVICES FOR MINIMIZING SETUP ERRORS IN CA. POST CRICOID UPPER 1/3 OESOPHAGUS AND PATIENT HAVING LONG NECK FOR RADIOTHERAPY"**

11.30-11.40AM: O-28: **MR. MANAS CHAKRABORTY**, Chittaranjan National Cancer Institute, KOLKATA

Topic: **"ACHIEVEMENT OF THE INSTITUTIONAL PROTOCOL FOR PATIENT SET-UP FOR FACE/NECK CASES TREATED WITH I.M.R.T USING KVCT (XVI ELEKTA)"**

11.40-11.50AM: O-29: **MR. SUSANTA KUMAR SAHOO**, RAJENDRA INSTITUTE OF MEDICAL SCIENCE, RANCHI

Topic: **"A STUDY ON THE NECESSITY OF XVI FOR POSITION VERIFICATION BEFORE RADIOTHERAPY TREATMENT"**

11.50AM-12.00PM: O-30: **MS. SUPRIYA RANI**, FORTIS MEMORIAL RESEARCH INSTITUTE, GURGAON

Topic: **"FRAME LESS RADIOSURGERY: ESTIMATION OF THE CORRELATION BETWEEN THE MEASURED PATIENT POSITIONAL INACCURACIES IN A DUAL IMAGING ENVIRONMENT"**

12.00-12.10PM: O-31: **MR. MUKESH JAIN**, SMS MEDICAL COLLEGE, JAIPUR

Topic: **"COMMISSIONING & QUALITY ASSURANCE TEST OF TELE GAMMA UNIT"**

12.10-1.00PM: DEBATE SESSION

Moderator: **MR. RAKESH KAUL**, MAX HOSPITAL, DELHI

FOR THE MOTION: **DR. JYOTIRUP GOSWAMI**, RADIATION ONCOLOGIST, NARAYANA SUPERSPECIALITY HOSPITAL, HOWRAH, **MR SURESH DAS**, SR. PHYSICIST, NARAYANA SUPERSPECIALITY HOSPITAL, HOWRAH & **MR. MOHAN PUNDALIKA**, CHIEF RADIOTHERAPY TECHNOLOGIST, HCG, BANGALORE

AGAINST THE MOTION: **DR. SAYAN DAS**, RADIATION ONCOLOGIST, NARAYANA SUPERSPECIALITY HOSPITAL, HOWRAH, **MR SOURA PALIT**, PHYSICIST, NARAYANA SUPERSPECIALITY HOSPITAL, HOWRAH, & **MR. C .M TAMBE**, DOSIMETRIST, TMH, MUMBAI.

MOTION:

**“The Investment in High End Radiotherapy Technology
Is Justified by Benefit to the Patient”**

1.00-2.00PM: LUNCH

2.00-4.00PM: GBM & PRIZE DISTRIBUTION

THANK YOU