



ESTRO

European Society for
Radiotherapy & Oncology

Association of Radiation Therapy Technologists of India



1st WORLD CONGRESS AND 23RD NATIONAL CONFERENCE & 1st ARTTI-ESTRO COURSE

13th - 15th December 2019 Jawaharlal Nehru Auditorium All India Institute of Medical Science (AIIMS) Delhi

Guidelines: Scientific Sessions during the Conference

Welcome all National and International: Delegates/Guests/Faculty to ARTTICON 2019

- Presenters are requested to submit your presentation well in time to preview room.
- Time allotted for presentation will be strictly followed and audio/visual will be auto switched off as soon as allotted time is completed.
- Time allotted in scientific schedule is final which includes questioning/answering among all therefore presenters is advised to utilize the time accordingly.
- Delegates will get their participating certificate by email after the conference.
- Certificate will have attendance timed as per entry of delegate in scientific session.
- Delegates absent during scientific session will miss their attendance for that particular time from the certificate.
- You are advised to put your attendance while entering the scientific session.
- Oral and posters presentation will be judged for best prize as per policy guidelines.
- There is one competency based scientific session (1st & 2nd Prize) scheduled on the basis of number of participants registering for that particular session (Registration fees Rs10) named as '**Image Guidance ensuring Geometric accuracy in Clinical Practice**'. Registration will open for this session on 13/12/19.
- Scientific Coordinators are available at registration counter for your guidance
- Your contribution in providing good scientific feast is appreciated.



Ajeet Singh

Organizing Secretary

Best wishes

ARTTICON 2019



Gurvinder Singh Wadhawan

Scientific Committee Chairman

13th December 2019 (JLN Auditorium AIIMS)

Registrations and Breakfast: 8:00 AM-9:00 AM

Scientific papers	Time	Professional Education Training Research Scientific Coordinator A Selva Kumar Apollo Delhi	2D,3DCRT,IMRT, IGR T Technologies Scientific Coordinator G Ravindran Max Shalmar Delhi	Pretreatment Preparation Verification Delivery Scientific Coordinator Indresh Yadav Action Balaji	Patient information Support/Positioning Immobilization Scientific Coordinator Randeep Bedi RGCIRC Delhi	Brachytherapy Risk & Safety Issues in RT Scientific Coordinator: D.B Raj Shekhar AIIMS
<p><i>Session timing:(9:00-10:40am)</i> Chair 1 : Prof SubhashChander,AIIMS Delhi R.K Munjal Manoj G Wakde Manindra Mishra RGCIRC Delhi Rajesh Nair VPS Lokeshore Hospital Kochi</p> <p><i>(Chairpersons summarizes main discussion points and closes. 10:41am-10:50am)</i></p> <p>G1</p>	9:00-9:20 am	<p>'TRAIN THE TRAINER' ARTTI-ESTRO COURSE Hall B, First Floor (9:00am -6:00pm)</p>				<p>RTT Experience-Head & Neck Brachy therapy in Indian scenario A.SRIDHAR NIIMS Hyderabad</p>
01	9:21-9:32 am		<p>Assessing the intra-fractional treatment accuracy between Cyberknife versus Linac based SBRT in patients of Hepato Cellular Carcinoma with Portal Vein Tumor Thrombosis Teekendra Singh Faujdar Medanta- The Medicity, Gurgaon</p>			
02	9:33-9:44 am				<p>A Novel Method To Reduce Systematic And Random Errors In Patients Undergoing Pelvic Radiation Therapy, Nanda Kumar M, Christian Medical College Vellore</p>	
03	9:45-9:56 am		<p>Immobilization during craniospinal irradiation(CSI) using Proton therapy to reduce the impact of positional errors in field junctions. Ashok K Reddy Apollo Proton Cancer Center, Chennai</p>			
04	9:57-10:08AM	<p>Analogy between DEBH and DIBH for SBRT in Pancreatic cancer Swapna Parshetye Tata Memorial Hospital, Mumbai</p>				
05	10:09-10:20AM			<p>Evaluation of set up error during Rapid Arc therapy of Head & Neck cancer patients using Electronic Portal Imaging Device Babali Gupta IMS, BHU, Varanasi.</p>		
G2	10:21-10:40					<p>Encouraging Experience of Up scaling program for Radiation Therapy Technologist in Bangladesh: The Professional who treats my patient A.F.M.KamalUddin Bangladesh</p>
Coffee/Tea break	10:51 - 11:20 am					
<p><i>Session timing:(11:21am-1:08pm)</i> Chair 2: Dinesh Bahadur Singh S.N Sinha, Nayati hospital, Mathura Dr. Durgatosh Panday, Dr. Anita Malik Venkateshwar hospital</p> <p><i>(Chairpersons summarizes main discussion points and closes. 1:08pm - 1:18pm)</i></p>	11:21- 11:35am		<p>4 D technology solutions in clinical radiotherapy- An overview" Dr. Anusheel Munshi Manipal Hospitals, Dwarka Delhi</p>			

G3						
06	11:36-11:47 am		Management of Respiration Induced Target Motion in Radiotherapy Treatment: A Review, R Thanigaimani , Manipal College of Health Professions, Manipal			
07	11:48- 11:59am			Profile of Patients Who died in The First 30 Days after Palliative Radiotherapy in our Centre Centre. Nair Sreekandan , Apollo Hospitals Enterprise Ltd. Mumbai		
08	12:00pm-12:11Pm	Quantification of Six-Dimensional corrections of Intra-fractional Prostate motion with CyberKnife Stereotactic Body Radiation Therapy Amit Gupta Medanta- The Medicity, Gurgaon				
09	12:12 -12:23pm				IMPORTANCE OF MAINTAINING FULL BLADDER FOR THE PELVIC CARCINOMA CASES Mirose Nandalal IMPERIAL HOSPITAL AND RESEARCH CENTRE (APOLLO) BANNERGHATTA I	
010	12:24-12:35PM	DIFFERENT TREATMENT APPROACHES BY EXTERNAL BEAM RADIOTHERAPY FOR MOVING TUMOUR Yogesh Nina weNational Cancer Centre, Nagpur				
011	12:36- 12:47pm			MOTION MANAGEMENT IN RADIATION THERAPY " - A Therapist Prospective Horizon Sarath Kumar ,Kuwait Cancer Control Centre, Ministry of Health , Kuwait.		
G4	12:48-1:08pm	Recent Policy Developments for Allied Health Services in India: Emerging Issues and Future Possibilities for Radiotherapy Technology Professionals Kaptan Singh				
<i>Session timing:(1:19pm-1:30pm)</i> Chair 3: Dr Munish Gairola, RGC Dr Kundan Singh, DELHI Sumit Sharma Ahmedabad.- Prof A Chougale SMS Jaipur Dr Suman Bhaskar AIIMS	1:19- 1:30 pm 'ARTTI-VARIAN Educational Session' (Competency)		Image Guidance ensuring Geometric accuracy in Clinical Practice Akhil Chaudhary Max Saket Gurvinder Singh Wadhawan			
s1						
Chair 4 V Yadagiri SVIMS, Tirupati, A Karunkarn Dr Abhilasha Saini A K Suman AIIMS	Lunch 1:30 -2:30pm parallel Poster Session 2:00-2:30pm: P1-P13 (Presenter should be available at their poster site)	P1,P2- Mr. Deepak Kumar, P3-Mr. Kamlesh Bagul, P4- Mr. Nabathdeep Nath, P5-Rajendra Kumar Tripathi, P6-Jui Deb, P7-Surender Lal Sharma, P8-Subrata Roy, P9-Santosh Tambe, P10-ABHISHEK KUMAR, P11.: SHISH MILAN, P12-Farida Bano, P13-SHIBINA.N				
<i>Session timing:(2:30pm-4:20pm)</i> Chair 5: Arun Reddy Monark Cancer Hospital RK Munjal Max Saket Dr T Kataria Medcity Gurgaon Dr D.N Sharma AIIMS <i>(Chairpersons summarizes main discussion points and closes. 4:21pm - 4:30pm)</i> CP1	2:31-2:40pm			Day care cancer treatment in breast Ashok Arora		

G5	2:41-3:00 pm	future of the RTT profession and education requirements M Coffey St. James' Hospital, Dublin				
012	3:01-3:12 pm				Analysis of Position Error in CA Breast Patient Using Auto Breath Control (ABC) Gating and Thermoplastic Mould in our Radiotherapy Setup, Ravi N Poojary Shirdisaibaba comprehensive cancer care and research centre, Kasturba hospital Manipal	
013	3:13-3:24 pm					High Frequency electromagnetic radiation and Cancer, Karan J Yagnik , Government Medical college, Surat Gujarat
014	3:25-3:36 pm	EVALUATION OF THE NEED FOR DAILY IMAGE GUIDANCE IN HEAD AND NECK RADIATION THERAPY. MILI MAZUMDAR Jupiter Hospital, Pune, Maharashtra, India				
015	3:37 – 3:48pm		Impact of daily supervised practice on Deep Inspiratory Breath Holding (DIBH) parameters Vrushal D Sonawane TaTa Memorial Hospital, Mumbai			
016	3:49 – 4:00 pm				HOW DOES THE BLADDER FILLING CHANGES OVER THE COURSE OF RADIATION THERAPY FOR CARCINOMA CERVIX PATIENTS – CBCT STUDY B Sandeep Ratna GSL Medical College, GSL Cancer Hospital, Rajahmundry, Andhra Pradesh	
G6	4:00- 4:20pm	Respiratory Gating GAYUR ALI Dept. Radiation Oncology King Abdullah Medical City- Makkah Al-Mokarramah Kingdom of Saudi Arabia				
	4:30- 5:00 pm Coffee break					
	5:00-5:35pm	Inaugural Ceremony				
<i>Session timing: (5:36pm- 6:35pm)</i> Chair 6: Sanjay Gajjar, Ahemdabad Hardip Singh, Chandigarh Ramesh K. Sharma, Delhi Seema Sharma AIIMS Dr. Shikha Haldar, BLK Super specialty Hospital Delhi <i>(Chairpersons summarizes main discussion points and closes. 6:35pm - 6:45pm)</i> CP2	5:35-5:45pm					High Frequency Deep Tissue Hyperthermia - Therapeutic Uses and Future Potential Dr. Nagraj G Huilgol , Chief Radiation Oncologists, Nanavati Hospital Company details: AdipoLABS Co Ltd , Korea
CP3	5:46-5:56 pm		SUN, SHIHUI MEI, SIMING , Beijing, China			
CP4	5:56-6:06pm			Elekta		
Panel Discussion	6:06- 6:35 pm Moderator: Dr. Maria Das, PGI Lucknow	'Bridging the Gap of Talents in Healthcare' PANELISTS: Dr. A.F.M Kamaluddin Dr P.K Shrama Prafullah Jha, Nepal Gayur Ali, Saudi P.Mohan, Bangalore Dr. Subhash Gupta, Delhi				

SCIENTIFIC PAPERS	Time	Professional/ Education/ Training/ Research	2D to 3DCRT,IMRT, IGRT Technology	Pretreatment/ Preparation/ Verification/ Delivery	Patient information/ Support/Positioning/ Immobilization	Brachytherapy Risk And Safety issues
<i>Session timing:(9:00 - 9:10am)</i> Chair 4: VYadagiri SVIMS, Tirupati, DrAbhilashaSaini A.K Suman AIIMS Subhash B Chandaki, Ballary	<i>Chairpersons summarizes main discussion points and closes poster session(P1-P12- Presenter should be available in conference hall)</i>	TRAIN THE TRAINER' ARTTI-ESTRO COURSEHall B, First Floor (9:00am -6:00pm)				
<i>Session timing:(9:11 - 10:50am)</i> Chair 7 Dilip Kumar Miot, Chennai Dr, Gopi Shankar AIIMS DrKuldeep Sharma, Venkateshwar Hospital Mohan LalBhagwat, JamiaHamdard, Delhi <i>(Chairpersons summarizes main discussion points and closes. 10:51am - 11:00am)</i> G7	9:11- 9:30 am			An experience of different position on Linear Accelerator for craniospinalirradiation: radiation therapist perspective PrafullahJha Nepal		
O17	9:31-9:42am		ADAPTIVE RADIOTHERAPY IN CARCINOMA LUNG Dharmendra Kumar , MAX HEALTHCARE, SAKET, NEW DELHI			
O18	9:43 -9:54 am		Comparison of Skin Toxicity in Head and Neck Cancer Patient Treated with Cobalt - 60 and 6MV Linear Accelerator AshishJaiswal MS, BHU, Varanasi.			
O19	9:55-10:06 am			Comparative Study of Breast Radiation Therapy in Prone Position using Pivotal™ Prone Breast board couch Versus Supine Position. PrakashUmbarkar P.D Hinduja Hospital Mumbai		
O20	10:07-10:18 am	Development of an indigenous DIBH (Deep inspiration breath-hold system) radiation treatment technique for left breast cancers. Aneesh P M Nayati Medicity Hospital, Mathura				
O21	10:19-10:30am			The Role of the RadiotherapyTechnologist in Prospective Evaluation of Quality of Life Scores in Patients of Head-Neck Cancer on Radical Chemoradiotherapy DebojyotiDhar Apollo Gleneagles Hospital, Kolkata		
CP5	10:31- 10:50am					High Intensity Focused Ultrasound (HIFU) in Oncology. Professor Rosie Xing Managing Director, Global Planning, International Marketing and Business Chongqing Haifu Medical Technology Co. Ltd
	11:00 -11:30am Coffee break					
<i>Session timing:(11:31am- 12:50pm)</i> Chair 8: S.H Yotham AIIMS Dr. G Jadhav Apollo Delhi, Dr Harish K.P AIIMS <i>(Chairpersons summarizes main discussion points and closes. 12:51pm - 1:00pm)</i> G8	11:31- 11:50am					Role of Radiation Technologist in Brachytherapy DR DN Sharma AIIMS, IRCH Delhi
O22	11:51-12:02 pm				Assessment of the compatibility for the robotic couch assisted six-dimensional patient positioning correction systems with the external independent imaging modalities SadiaUrooj Manipal Hospitals, Dwarka Delhi	
O23	12:03- 12:14pm				Cardiac dosimetry with or	

					without ABC in left breast cancer irradiation: A Single institute experience Eshwar Rao Kotilimgal Jupiter hospital Mumbai	
024	12:15- 12:26pm				A frameless immobilization and localization technique for SRS, SRT and IMRT for intracranial tumours Mousumi Nath Sharma JAYPEE Hospital, Noida	
025	12:27:12:38pm		Patient position verification using Optical Surface Monitoring System in proton therapy; Validation study Dhilip Kumar Rajan Apollo Proton Cancer Center, Chennai			
026	12:39-12:50PM				COMPARATIVE STUDY OF VARIOUS TREATMENT POSITIONING TECHNIQUES: A SITE SPECIFIC STUDY - Ca BREAST Kamal Kaushik Homi Bhabha Cancer Hospital Varanasi	
<i>Session timing:(1:00-1:30pm)</i> Chair 10: Teekendra Singh Faujdar Jaipur Dr. Maria Das Megha Sairem Delhi Dr M.N Rajendran Aiims S2	1:00- 1:30 pm Symposium		Changing Perceptions on Proton Therapy- Learning through training and Practice. Ashok K Reddy Apollo Proton Cancer Center, Chennai			
Chair 11: A. Sridhar, Hyderabad R.K Munjal, Delhi Mr. Laviraj Rakesh Kaul, Delhi Rajesh Ahuja, Safdurjung	Lunch 1:31 -2:30pm Poster Session 2:00-2:30pm: P14-P25(Presenter should be available at their poster site	P14-Neha Kumari P15-Babali Gupta P16-Papu Das P17- Amit Singh, P18- Ahmad SP P19- Upadhyay MK, P20- Roshan Kumar Patel P21-Arsalan Khan P22- Eviline Switicia I, P23-Pooja Pal, P24- Amit Aggarwal ,P25-Markesh Peter				
<i>Session timing:(2:31-4:14pm)</i> Chair 12: Dr. A.K Anand, Max Delhi Manoj Pillai, Patna Dr. Girgesh Yadav, Gurgaon Dr. Manoj Sharma- Fortis Noida (Chairpersons summarizes main discussion points and closes. 4:15pm - 4:25pm	2:31-2:50pm	Learning in the online environment- A paradigm shift for radiation therapy education? Michelle Leechis				
G9						
G10	2:51-3:10 pm					MR Linac in Radiotherapy Prof (Dr.) A Chougale SMS Jaipur
027	3:11- 3:22 pm		Role of Artificial Intelligence (AI) in Clinical Oncology: Utility of Machine Learning in Radiotherapy Chandrasekar T NATIONAL CANCER INSTITUTE, AIIMS, JHAJJAR			
028	3:23-3:34 pm		Clinical Evaluation of 6 Dimensional Intrafractional Patient Motion During Frameless Stereotactic Radiosurgery (SRS) And Stereotactic Radiotherapy (SRT) Using EXAC-TRAC. Rachana Kulkarni Apollo Hospitals Enterprise Ltd.			
GS	3:35-3:46pm				Patient care during Radiotherapy Dr. Manish Pandey , Action Balaji	
029	3:47 - 3:58 pm			Dosimetric Comparison between linear accelerator and helical tomotherapy plans for Carcinoma of Head & Neck patients. Sumit Sharma HCG Cancer Centre		

CP6	3:59- 4:14pm			Ahmedabad Image Verification: Importance and role in patient Care Continuum TaposundarMajumdar, EMEIA Varian		
	4:25-5:00pm Coffee break					
<i>Plenary Session timing: (5:01- 5:40pm)</i> Prof P.S Negi Prof G.K Rath, AIIMS Dr S.K Rawal, RGCI Delhi Dr. S Hukku, Delhi Mohan P, HCG, Bangalore Dr. SushmitaPathy, Delhi	5:01-5:20pm	Teamwork in Healthcare Dr. S Hukku BLK Super Specialty Hospital, Delhi				
	5:21-5:40 pm					Why should we audit our work? Dr Shaleen Kumar Lucknow
	5:41-6:00 pm RGCI&RC GunillaBentel Oration		Title: Gunilla C. Bentel: her contribution to radiotherapy technology & Medical Physics		Prof P.S Negi Professor Emeritus in Medical Physics Delhi State Cancer Institute Awardee2019- GunillaBentel Oration	

15th December 2019 (JLN Auditorium AIIMS)

Registration and breakfast (8:00am-9:00 am)

Scientific papers	Time	Professional/ Education/ Training/ Research	2D to 3DCRT,IMRT, IGRT Technology	Pretreatment/ Preparation/ Verification/ Delivery	Patient information/ Support/ Positioning/ Immobilization	Brachytherapy Risk And Safety issues
<i>Session timing :(9:00-9:10)am</i> Chair 11: Rakesh kaul ,Delhi Mr. Laviraj Appari Sridhar, Hyderabad	Chairpersons summarizes main discussion points and closes. P13- P24Presenter should be available at their poster site	'TRAIN THE TRAINER' ARTTI-ESTRO COURSEHall B, First Floor (9:00am -6:00pm)				
<i>Session timing :(9:10-10:21am)</i> Chair 14 ManojPillaipatna Sunil Khairnar DayaKishanSaini AIIMS Dr. GaganSaini Dr. InduBansal, NarayanaSuperspecialty Hospital Gurgaon (Chairpersons summarizes main discussion points and closes. 10:23pm - 10:33pm) G11	9:10-9:22 am		K.K Jain			
030	9:23-9:34 am			Helical Tomotherapy – Image-guided, intensity-modulated radiation therapy (IG-IMRT) featuring streamlined clinical and fully integrated treatment workflow, Pawan Kumar BLK Super specialty Hospital, New Delhi		
031	9:35-9:46 am		Institutional Experience with Abdominal Compression and DEBH for SBRT of upper abdominal tumors Mr Jimson AD Max Shalimarbagh			
032	9:47-9:58 am			Comparison of Geometric Set-Up Error For Radiation Therapy of Various Cancer Sites Using Epid Ayushi Sharma IMS, BHU, Varanasi.		
033	9:59-10:10am	Learning curves of a Radiation Therapist along with the challenges in present scenario Shamsudheen P Medanta The Medicity, Gurgaon				
034	10:11-10:22am			SPINE SBRT Ragavi D GLENEAGLES GLOBAL HOSPITALS, Chennai		
	10:35-11:00am Coffee break					
<i>Session timing :(11:01-12:12 noon)</i> Chair15 Suresh Malayyath, Kerela Parveen Deepak AIIMS Sudhir Kumar, AIIMS (Chairpersons summarizes main discussion points and closes.(12:12pm-12:22 pm), 035	11:01-11:12				Set-up errors in head and neck cancer treated with IMRT/RAPID ARC technique assessed by cone-beam computed tomography a feasible protocol Anzil M S Sterling Cancer hospitals Rajkot Gujarat	
036	11:13-11:24am			IMPACT ON THE TREATMENT IN PELVIC RADIOTHERAPY USING IMMOBILIZATION DEVICES VERSUS TREATMENT WITHOUT IMMOBILIZATION DEVICES: AN ASSESSMENT OF SETUP CORRECTION NeerajUpadhyay HomiBhabha Cancer Hospital, Varanasi, UP		
037	11:25-11:36m			IMPACT OF DEEP INSPIRATORY BREATH HOLD (DIBH) COACHING PROGRAM ON INCREASING TREATMENT UNIT		

				THROUGHPUT, Chetana Vartak, Tata Memorial Hospital, Mumbai		
038	11:37-11:48 am		Importance of VAC-LOCK in Pelvic Sites In IGRT Treatment Delivery Subrata Das HCG PANDA CANCER HOSPITAL, CUTTACK			
039	11:49- 12:00 noon				Radiotherapist'S Role in Psychological Counselling of Patients and to Reduce The Number of Drop Outs. Adnan Zia Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh	
040	12:01-12:12pm		Evaluation of Treatment Plan from 2D to IMRT Md. Mamunur Rashid1. National Institute of Cancer Research and Hospital, Dhaka, Bangladesh			
<i>Session timing:(12:23-1:10pm)</i> Chair 16: A.Karunakar, Omega Hospital Hyderabad Shailesh Kumar patel Roentgen Oncology Dr. R Pandey AIIMS <i>(Chairpersons summarizes main discussion points and closes. 1:10pm- 1:25pm)</i>	12:23-12:43pm					The role of ultrasound in IGRT Philipp Scherer Australia
G12						
G13	12:44 pm-12:59pm				Study of 2 HDR Brachy Therapy Regime and response evaluation with PET/CT Parameters in locally advanced CA Cervix. Neeraj Parihar IGMC Shimla	
CP7	1:00-1:15pm			Optimal treatment outcomes in stage 3 NSCLC ASTRAZENECA PHARMA INDIA LTD		
<i>(Session timing :1:25-2:30pm)</i> Chair 17: Prof G.K Rath, Delhi Manjinder ,Punjab Dr. Shaleen Kumar DR. Subhash Gupta AIIMS Dr. A.K Bansal, Max Saket Ajeet Singh, Delhi P.Mohan , Bangalore (Chairpersons summarizes main discussion points and closes. 2:31pm - 2:40pm)	1:25-2:00 pm	'ARTTI Ratna' Award Felicitation				
	2:00- 2:30 pm Valedictory Ceremony					
GBM Followed by Lunch	2:30 pm onwards					

