

Highlights of Annual Conference of Association of Medical Physicists of India (Northern Chapter) (AMPICON-NC 2010)

Organised by:

Department of Radiotherapy, S. N. Medical College, Agra

The annual conference of Association of Medical Physicists of India -Northern Chapter (AMPICON-NC 2010) was organized by Department of Radiotherapy, S. N. Medical College, Agra UP on 6th and 7th February 2010 at Hotel Gangaratan, Agra. The theme of the conference was "Quality Assurance and Dosimetry". About 110 Delegates from all over India participated in the conference.



Dr. (Prof.) R. D. Sharma, Ex. Head, Department of Radiotherapy, S. N. Medical College was the Chief Guest of the inaugural function and delivered the inaugural address. Dr. R. Dayal, on behalf of the Principal, S. N. Medical College, Agra released the souvenir and abstract book of AMPICON-NC 2010. Dr. A.K.Gupta, Prof. & Head, Dept. of Radio-diagnosis, S.N.M.C., Agra and Dr. R.L.N. Srivastava, Prof., J. K. Cancer institute, Kanpur released the "Medical Physicist chronicle". Dr. A. K. Arya Prof. & Head, Dept of radiotherapy, S.N.M.C, Agra addressed the welcome note to the AMPICON-NC 2010 Delegates. Mr. Anuj K. Tyagi, Organising Secretary welcome all the delegates and given thanks to all the eminent scientists for accepting the invitation. Dr. Surabhi Gupta, Asst. Professor, Department of Radiotherapy, S. N. Medical College, Agra conducted the inauguration function.

Inaugural function followed by the key note address by Dr. S. D. Sharma, Scientist, RP&AD BARC, Mumbai on the topic "challenges in dosimetry and quality assurance with narrowing field dimensions in external beam therapy". In his lecture, Dr.S.D.Sharma described, Absolute and relative dosimetry for standard treatment fields are well established but the same is not true for the narrow fields used in advanced external photon beam treatments. The data measured using standard fields are manipulated, extrapolated or transferred by some method to obtain dosimetry data for narrow photon fields. However, such methods are not general for a few recent external beam delivery systems. A generalized method for dealing with such situations should be evolved.

The AMPI-NC Oration, Prof. P. S. Negi delivered the lecture on "An new era of unfiltered beam for IMRT and IGRT Linacs". During his talk, Prof. P. S. Negi focused on investigating development and implementation of IMRT technology without flattening filter.

Total fourteen inviting talks by the eminent scientists from all over India and fifteen proffered paper delivered during the scientific session. Mr. Deepak Shrotriya, Lecturer, S. N. Medical College, Agra managed the scientific programme, in coordination with Dr. Tabssum and Dr. Garima. Invited talks were delivered by Dr. Arun Chougule, PhD, Dean, Paramedical Sciences, Rajasthan University of Health Sciences, Jaipur, Application of Thermo luminescence in Medical field, Atul Tyagi, BLK Memorial Hospital, New Delhi, Quality assurance of Varian OBI, Dr Pratik Kumar, Associate Professor, Medical Physics Unit, IRCH, AIIMS, New Delhi, Quality Management Initiatives in Radiodiagnosis, S.P. Mishra, Regional Cancer Centre, Kamala Nehru Memorial Hospital, Allahabad, Volumetric Dosimetry in image based interstitial implants- An review, MPS Mann, Radiation Safety Officer at Kailash Hospital and Maulana Azad Institute of Dental Sciences, Quality Assurance in a Radiology Department, Ms. Kamlesh Passi, Chief Medical Physicist cum Radiological Safety Officer, Principal, School of Radiography, Dept of Radiation Oncology, MD Oswal Cancer treatment & Research foundation, Ludhiana (PB), Indigenous innovations in Brachytherapy: MD Oswal Experience, Saji Oommen, Department of Radiation Oncology, Indraprastha Apollo Hospital, New Delhi, Target Localization for Deep Brain Stimulation using Stereotactic Radiotherapy Treatment Planning System and Image Fusion, M K Semwal, PhD, Dept of Radiotherapy, Army Hospital R&R, Delhi cantonment, New Delhi-110010, In-vivo Dosimetry in Radiotherapy, A K Shukla & S C Kheruka, Department of Nuclear Medicine, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, India, Evolving trends in therapeutic nuclear Medicine, Prof. (Dr.) Niloy Ranjan Datta, Senior

Consultant and Co-ordinator, Department of Radiation Oncology, Rajiv Gandhi Cancer Institute and Research centre, Delhi, Simultaneously Boost Intensity Modulated Radiation Therapy (SIB-IMRT) : Is it radiobiologically sound ?, Dr. KJ Maria Das, Department of Radiotherapy, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, Quality assurance of Image Guided Radiotherapy.

The Panel Discussion on the topic “Medical Physics: Present status and future directions” moderated by Dr. Rajendra Kumar, Shamli, UP and the panelists were Dr. Kanta Chhokra, Ex. Scientist, A.E.R.B., Mumbai, Dr. Dinesh Singh, Senior consultant, Pushpanjali crossley hospital, Ghaziabad, Dr.S.P.Mishra, Head, Medical Physics, R.C.C., K.N.M. Hospital Allahabad, Dr. L.M.Agarwal, R.S.O. and course coordinator, Diploma in Medical Technology, B.H.U., Banaras and Er. S. L. Kapoor, Director, Roentgen BLK memorial cancer centre, Delhi.



In the proffered session in the best paper judged by Dr. M.K.Semwal, Scientist, R&R Hospital Delhi, Dr. Pritik kumar, Head, Medical Physics Unit, I.R.C.H., A.I.I.M.S., Delhi, Dr. R.K.Munjal Chief Physicist, Metro Hospital, Delhi, Dr. Arun Chaugule, Dean, University of paramedical

science, Jaipur. The first best paper award gone to Mrs. Arpita Agarwal, S.G.P.I., Lucknow and the second best paper award gone to Ms. Ranu Chaudhary, Dept. of zoology, University of Rajasthan, Jaipur. The meeting was concluded by valedictory function with an invitation by Ms. Kamlesh Passi for the next annual meeting of AMPI-NC 2011 at Ludhiana and an invitation by Dr. K. J. Maria Das, Asst. Prof. SGPGI, Lucknow for the next annual national conference of AMPI 18-21 Nov. 2010 at Lucknow.

See you at Lucknow.....

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