

## Brief Report of INS Lecture on 12 July, 2025

Topic: I-131 MIBG .Ttherapy (1995-2025) in India

Speaker: Dr V. Rangarajan, Head, Dept. Of Nuclear Medicine & Molecular Imaging, Tata Memorial Centre

Venue : Multipurpose Hall, TSH, BARC

Time & Date : 1100 hrs, 12th July 2025

Indian Nuclear Society organised a talk by Prof. V. Rangarajan ,Head , Dept. of Nuclear Medicine & Molecular Imaging ,Tata Memorial Centre at 11 AM on Saturday, 12<sup>th</sup> July, 2025 at Multipurpose Hall, TSH, Anushaktinagar. Shri D.K.Shukla, Chairman AERB graced the occasion as the Chief Guest of the programme.

The talk covered the history of radiotherapy treatment using I-131 during the period between 1995-2025 with a special emphasis on the recent treatment of a 17 year old boy suffering from aggressive form of relapsed Neuroblastoma cancer with a very high radiation dose for the first time in the country, after obtaining proper authorisation from AERB. Prof. V. Rangarajan was closely involved in successfully treating the teenager using 800mCi of I-131-MIBG at ACTREC, TMC (in collaboration with BRIT, AERB and BARC) .

Radio Chemistry and Isotope Group (RCIG), BARC had carried out the relevant research for the radioisotopes and BRIT had developed the same for the treatment purpose.

The programme was attended by the invited guests – CE, BRIT, AD, RCIG, Dr. R.B. Grover, Member AEC, Senior officials from BARC, BRIT, AERB, INS members and the Members of INS executive committee.

The programme began with the welcome speech by Dr. H. Mishra, Member EC, INS and coordinator of the programme. As a part of his welcome speech, Dr. Mishra welcomed the Chief Guest, Guest speaker and other guests with flower bouquets and introduced the members of the new Executive Committee of INS.

This was followed by the address of Prof. V. K. Manchanda, President, INS who briefed the audience about the INS activities. He called upon the members to interact with the society actively as this synergy will make INS a vibrant body which can address the issues related to nuclear science and technology in more effective manner.

This was followed with felicitation of the Guest Speaker Dr. Venkatesh Rangarajan by the Chief Guest Shri D.K. Shukla and the President INS. In his address the Chief Guest Dr. Shukla highlighted the positive and the proactive role played by AERB in evaluating application and suitability of the high radiation dose to the boy, without any undue risk to the patient, medical professionals and the other people/ patients during the treatment. He further stated AERB was thoroughly involved along with other experts in working out appropriate shielding requirements and confirming the same during mock-up run. After the proper assessment, authorization was granted to ACTREC/ TMC for the treatment.

The programme ended with a vote of thanks by Shri SK Bhatia Secretary INS , followed by the national anthem.