

A REPORT ON

TECHNOLOGY REFLECTION LECTURE SERIES

**“RECENT ADVANCES IN RADIOPHARMACEUTICALS TO OVERCOME
CHALLENGES IN CANCER DIAGNOSIS AND THERAPY”**

OCTOBER 19, 2019

ORGANISED BY



SVKM's DR. BHANUBEN NANAVATI COLLEGE OF PHARMACY

IN ASSOCIATION WITH



SOCIETY FOR RADIATION RESEARCH (SRR)

SVKM's Dr. Bhanuben Nanavati College of Pharmacy, in association with the Society of Radiation Research (SRR), organized a seminar entitled "RECENT ADVANCES IN RADIOPHARMACEUTICALS TO OVERCOME CHALLENGES IN CANCER DIAGNOSIS AND THERAPY" under the TECHNOLOGY REFLECTIONS LECTURE SERIES on Saturday, October 19th, 2019.

The aim of these lectures series was to increase the awareness amongst the students towards the use of radiopharmaceuticals in cancer treatment as well as provide them insights to the well-known uses for diagnosis of various diseases. The target audience was post graduate students (M. Pharm students, Students pursuing M. Sc.), and faculty members.

The program was inaugurated by Dr. Tabassum Khan, Head of Pharmaceutical Chemistry and Quality Assurance Department and members of Society for Radiation Research, Dr. Badri Narain Pandey, Dr. Amit Kumar and Dr. Rohit Ranade. Dr. B. N. Pandey briefed the audience about the SRR and the types of activities it undertakes.



Dr. B. N. Pandey

Dr. Rohit Ranade

Dr. Tabassum Khan and Dr. Amit Kumar



Dr. Badri Narain Pandey, briefing the audience about Society for Radiation Research



Dr. Amit Kumar, delivering a lecture on “Biological complexities of cancer and its therapeutic challenges”

The first talk was given by Dr. Amit Kumar, Scientific Officer F, Radiation biology and Health Science Division, BARC, Trombay. He spoke on “Biological complexities of cancer and its therapeutic challenges”. Dr. Amit, through his simple and lucid presentation, presented the latest findings in the pathways identified for a tumour cell growth and the avenues available for the designing of newer molecules to control the same. He took the audience through the existing modalities of treatment and the clinical difficulties involved in drug resistant tumour treatment.



Dr. Suresh Subramanian, during his session on “Fundamentals of Radiopharmaceuticals development for cancer diagnosis and therapy”

The second talk was by Dr. Suresh Subramanian, Radiopharmaceutical Division, BARC, Trombay. He spoke on “Fundamentals of Radiopharmaceuticals development for cancer diagnosis and therapy”. Dr. Suresh led the audience through the basics of radiation, radiation dosimetry and the making of radiopharmaceuticals using different radio isotopes (based on the emission of various particles by different radioisotopes). The end-use of these radiopharmaceuticals, he emphasised, was not limited to mere diagnosis, by also for treatment of some cancers.



Dr. Rohit Ranade, impressing the audience with his talk on “Clinical challenges in applications of radiopharmaceuticals in cancer management”

The third talk was by Dr. Rohit Ranade, Head, Nuclear medicine, Nanavati Super speciality hospital. His talk on “Clinical challenges in applications of radiopharmaceuticals in cancer management” impressed upon the students the importance of radiopharmaceuticals in the treatment of some forms of cancers and how cure rates can be improved by use of the same. He discussed some clinical case studies of increase in survival rates of patients receiving radiation therapy by the use of radio labelled formulations.

The students appreciated the sessions and interacted with the resource persons. Dr. Tabassum Khan proposed the vote of thanks. Dr. B. N. Pandey gave his concluding remarks and once again stressed upon the importance of radiation in diagnosis and treatment of various cancer forms.



Dr. Tabassum Khan proposing the vote of thanks.



Students, faculty and members of SRR

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