

Seminar Report

Title: Seminar on *Current Trends in Medical Application of Radiation*.

Venue: C Block Auditorium, Amity University Uttar Pradesh, Noida Campus, India.

Date: 19 September 2025

Organised by: Amity Institute of Nuclear Science and Technology & Amity Institute of Applied Science In collaboration with Fortis Healthcare Research Foundation (FHRF) & Fortis Memorial Research Institute (FMRI).

Sponsored by: SDS Life Sciences and Siemens Healthineers

The seminar on *Current Trends in Medical Application of Radiation* was successfully held on 19 September 2025 at Amity University Uttar Pradesh, Noida Campus. Jointly organized by AINST and AIAS, in collaboration with FHRF and FMRI, the event brought together a distinguished gathering of scientists, medical professionals, industry leaders, academicians, and representatives from leading hospitals and institutions.

The seminar served as a dynamic platform for exchanging insights, fostering collaborations, and sharing cutting-edge knowledge in the field of nuclear medicine. It also marked a significant milestone for AINST, as the institution is in the way to launch new academic program **Master of Science in Nuclear Medicine Technology (M.Sc. NMT)**, aimed at preparing skilled professionals for the evolving landscape of nuclear medicine and healthcare innovation.

Inaugural Session

The event commenced with a formal address **welcoming** the dignitaries, guests and the participants by **Dr. Alpana Goel**, Director and Head, AINST. This was followed by the lighting of the lamp by the dignitaries and the Guest of Honour, Dr. (Mrs.) B. K. Sapra, Associate Director, Medical Group and Head, Radiological Physics & Advisory Division, Bhabha Atomic Research Centre (BARC), Mumbai. The **objectives of the seminar were presented** by **Dr. Ishita B. Sen**, Senior Director, Nuclear Medicine, Fortis Gurugram. In addition, **Dr. Sunita Rattan**, Dean, Science & Technology and Director, AIAS, addressed the audience shared the journey of the medical program in Amity University. However, **Dr. A. K. Singh**, Sr. Vice President, AFSTIA, Amity University Noida, emphasized the importance of innovation and collaboration in nuclear sciences in the field of medical imaging and related sciences.

The **inaugural remarks** were delivered by the Guest of Honour, Dr. (Mrs.) B. K. Sapra. She also acknowledged the commendable performance of AINST over the past few years, appreciating the existing facilities and their contributions. She shared the journey behind the Radiation Safety Officer (RSO) Certification Courses on “Research, Radiotracer and Column Scanning Applications of Ionizing Radiation” and “Nucleonic Gauges and well logging”, both of which were extended to Amity University. Furthermore, she expressed that AINST would be considered for future programs in this domain. Dr. B. K. Sapra emphasized the growing demand for nuclear medicine programs and highlighted their promising future in India. She stated that there is a significant need for trained nuclear medicine technologists across the country. She also discussed the role of the Radiation Medicine Centre (RMC) in advancing nuclear medicine education and safety practices.

The seminar was thoughtfully designed to include **four invited talks** and **two panel discussions**, each addressing critical aspects of nuclear medicine in India.

Invited Talks

1. **Smt. Sushama Awasare**, Head of the Scintigraphy and PET/CT Imaging Section at Radiation Medicine Centre (RMC), BARC, delivered the first talk titled "*Atoms in the Service of Nation (Diagnostic Aspect)*". She highlighted the pivotal role of nuclear medicine in diagnostic healthcare and shared her extensive experience in clinical imaging and academic coordination. The session emphasized the integration of atomic energy in medical diagnostics, particularly through PET/CT and scintigraphy.
2. **Dr. Gaurav Malhotra**, Head of the Clinical Nuclear Medicine Section at RMC, BARC, presented on "*Atoms in the Service of Nation (Therapeutic Aspect)*". He focused on the therapeutic applications of nuclear medicine, particularly radionuclide therapies, and highlighted advancements made at RMC in improving patient outcomes through targeted treatments.
3. **Dr. C. S. Bal**, Professor and Head of the Department of Nuclear Medicine at AIIMS, New Delhi, delivered a talk titled "*Application of Nuclear Sciences in Nuclear Medicine*". He discussed evolution and integration of nuclear sciences in diagnostics and therapy, emphasizing the evolving role of nuclear medicine in patient care and the importance of research and innovation.
4. **Dr. Anshu Rajnish Sharma**, Head of the Department of Nuclear Medicine at Kokilaben Dhirubhai Ambani Hospital, Mumbai, spoke on "*Nuclear Medicine Science & Technology Education in India*". He addressed the current landscape of nuclear medicine education, stressing the need for structured academic programs and continuous learning to meet the growing demand for skilled professionals.

Panel Discussions

1. **Panel Discussion 1: Future Trends and Innovations in Nuclear Medicine**
Moderator: Dr. Parul Thakral, Chief Radiopharmacist at Fortis, Gurugram, moderated a dynamic session on emerging technologies and innovations in nuclear medicine. The discussion spotlighted advancements in radiopharmaceuticals, cutting-edge imaging techniques, and personalized treatment approaches, upcoming nuclear medicine facility in India. Experts emphasized the growing role of artificial intelligence (AI) in enhancing diagnostic precision and workflow efficiency. Panelists for this session were
 - Dr. Ajay Vyas – Deepak Kailash Hospital, Delhi
 - Dr. Puja Panwar – Institute of Nuclear Medicine and Allied Sciences (INMAS), Delhi
 - Mr. Gurkirat Singh – Curium Pharma, Noida
 - Mr. Deepak Aheer – Max Super Specialty Hospital, Vaishali
 - Mr. Kalpesh Bhatt – Siemens Healthineers
 - Dr. M. K. Dutta – Amity University Uttar Pradesh, Noida

Panel Discussion 2: Future Directions in Nuclear Medicine Education and Training.,
Moderator was Dr. Ishita B. Sen, Senior Director, Nuclear Medicine, Fortis, Gurugram. This panel focused on shaping the future of nuclear medicine education and training in

India. Dr. Ishita B. Sen led the discussion, emphasizing the importance of curriculum innovation, skill development, and addressing the growing demand for trained professionals. The session highlighted the need for stronger collaboration between academic institutions and healthcare providers to build robust educational frameworks aligned with national healthcare priorities. Panelists for this session was

- Dr. Sanjay Gambhir – Hind Institute of Medical Sciences, Lucknow; Ex-Head, SGPGIMS
- Dr. Pankaj Dougall – Max, Saket, New Delhi
- Dr. Anshu Rajnish Sharma – Kokilaben Dhirubhai Ambani Hospital, Mumbai
- Dr. Anil Kumar Pandey – All India Institute of Nuclear Medicine, New Delhi
- Dr. Kuldeep Chauhan – Fortis Healthcare Limited, India
- Dr. Dharmender Malik – Fortis, Gurugram

Participants represented a diverse array of institutions

- University of Delhi, Delhi
- Atomic Energy Regulatory Board (AERB)
- Shriram Institute for Industrial Research
- SDS Life Sciences, Manesar
- Manipal University Jaipur
- Amity Institute of Applied Sciences
- Amity Institute of Pharmacy
- Amity Institute of Nuclear Technology

Desired Outcome of the Seminar

The seminar aimed to foster a deeper understanding of nuclear medicine's evolving role in diagnostics, therapy, education, and innovation. By bringing together experts from leading institutions across India, the event sought to:

Promote knowledge exchange among professionals, educators, and researchers in nuclear medicine.

- **Highlight advancements** in imaging technologies, radiopharmaceuticals, and therapeutic applications.
- **Encourage collaboration** between academic institutions, healthcare providers, and industry leaders.
- **Strengthen educational frameworks** to meet the growing demand for skilled nuclear medicine professionals.
- **Explore future directions** in research, training, and the integration of emerging technologies such as artificial intelligence.

Ultimately, the seminar aimed to align nuclear medicine practices with national healthcare priorities and inspire continued excellence in science, education, and patient

Attached herewith

- Photographs
- Programs Schedule

Photographs



PROGRAMME SCHEDULE

Amity Institute of Nuclear Science and Technology & Amity Institute of Applied Science
in collaboration with
Fortis Healthcare Research Foundation (FHRF) & Fortis Memorial Research Institute (FMRI)
Organizing, Seminar
on

Current Trends in Medical Application of Radiation

Venue: C Block, Auditorium, Amity University Uttar Pradesh, Noida Campus, India

Friday, 19 September 2025

Zoom Link for online joining: <https://amity-edu.zoom.us/joining/register/Wmc9CPr-Txe8qEMA0ndzIA>

Inauguration		
TIME	ACTIVITY	PROPOSED IMPLEMENTER
9:30-10:00 AM	Registration /Welcome tea	
10:00-10:05 AM	Lighting of the lamp & Welcome Address	Dr. Alpana Goel Director and Head, AINST
10:05-10:10 AM	Objective of Seminar	Dr. Ishita B. Sen Senior Director Nuclear Medicine, Fortis, Gurugram
10:10-10:15 AM	Address	Dr. Sunita Rattan Dean, Science & Technology, Director, AIAS
10:15-10:20 AM	Address	Dr. A. K. Singh Sr Vice President Amity Foundation for Science, Technology & Innovation Alliances (AFSTIA), Amity University, Noida
10:20-10:30 AM	Inaugural Remarks	Guest of Honour Dr. (Mrs.) B. K. SAPRA Associate Director, Medical Group Head, Radiological Physics & Advisory Division, BARC- Mumbai
10:30-11:00 AM	Networking tea	
Session Chair: Dr. Sunita Rattan, Dean, Science & Technology and Director, AIAS		
11:00AM -11:30PM	Invited Talk Title: Atoms in the Service of Nation (Diagnostic aspect)	Smt. Sushama Awasare SO/G & Head, Scintigraphy and PET/CT imaging section M.Sc. (NM & MIT) course coordinator Radiation Medicine Centre, Bhabha Atomic Research Centre
11:30-12:00 PM	Invited Talk Title: Atoms in the Service of Nation (Therapeutic aspect)	Dr. Gaurav Malhotra FACNM , Professor, Homi Bhabha National Institute and Head, Clinical Nuclear Medicine Section, Radiation Medicine Centre, Bhabha Atomic Research Centre
Panel Discussion: 1 Future trends and Innovations in Nuclear Medicine Moderator: Dr. Parul Thakral, Chief Radiopharmacist, Nuclear Medicine, Fortis, Gurugram		
12:00-1:30 PM	Panelists	Dr. M. K. Dutta Additional Pro-Vice Chancellor, Amity University Uttar Pradesh, Noida Dr. Ajay Vyas Director of Nuclear Medicine Deepak Kailash Hospital, Delhi Dr Puja Panwar Scientist "F" Joint Director, Head

		<p>Division of Cyclotron and Radiopharmaceutical Sciences Institute of Nuclear Medicine and Allied Sciences, Delhi</p> <p>Mr. Gurkirat Singh RSO, Curium Pharma, Noida</p> <p>Mr. Deepak Aheer Head, Medical Cyclotron Department Max Super Specialty Hospital, Vaishali</p> <p>Mr. Kalpesh Bhatt Business Head Siemens Healthineers</p>
1:30 -2:30 PM	Lunch	
<p>Session Chair(s):</p> <p>Dr. Sanjay Gambhir, Head Nuclear Medicine, Hind Institute of Medical Sciences, Lucknow Dr. A. K. Singh, Sr Vice President, AFSTIA</p>		
2:30-3:00 PM	<p>Invited Talk Title: Application of Nuclear Sciences in Nuclear Medicine</p>	<p>Dr. C.S. Bal Professor and Head, Department of Nuclear Medicine All India Institute Of Medical Sciences, New Delhi</p>
3:00-3:30 PM	<p>Invited Talk Title: Nuclear Medicine Science & Technology Education in India</p>	<p>Dr. Anshu Rajnish Sharma Head, Dept of Nuclear Medicine, Kokilaben Dhirubhai Ambani Hospital, Mumbai</p>
<p>Panel Discussion: 2 Future Directions in Nuclear Medicine Education and Training Moderator: Dr. Ishita B. Sen, Senior Director, Nuclear Medicine, Fortis, Gurugram</p>		
3:30-5:00 PM	Panelists	<p>Dr. Sanjay Gambhir Head Nuclear Medicine, Hind Institute of Medical Sciences, Lucknow Ex- Head Nuclear Medicine SGPGIMS,</p> <p>Dr. Pankaj Dougall Principal Director & Head, Nuclear Medicine Max, Saket, New Delhi</p> <p>Dr. Anshu Rajnish Sharma Head, Nuclear Medicine, Kokilaben Dhirubhai Ambani Hospital, Mumbai</p> <p>Dr. Anil Kumar Pandey Professor, Nuclear Medicine Technology, All India Institute of Nuclear Medicine, New Delhi</p> <p>Dr. Kuldeep Chauhan Head Clinical Research, Fortis Healthcare Limited India</p> <p>Dr. Dharmender Malik Consultant, Nuclear Medicine, Fortis, Gurugram</p>
Concluding and Vote of thanks		
High Tea		

