



NMPAICON 2025

9th ANNUAL CONFERENCE OF
NUCLEAR MEDICINE PHYSICISTS ASSOCIATION OF INDIA

MEETING AGENDA



JAWAHARLAL NEHRU AUDITORIUM
ALL INDIA INSTITUTE OF MEDICAL SCIENCES,
NEW DELHI



15th - 16th FEBRUARY, 2025



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15th February 2025 (DAY 1)

7:30 AM ONWARDS : REGISTRATION & BREAKFAST

8:30 - 9:35 AM : SESSION - 1 ADVANCEMENTS IN INSTRUMENTATION

Chairperson: Mr. Radhakrishnan ER, Mrs. Bhakti Shetye, Dr. Dhananjay Kumar

TIMING	NAME OF SPEAKER	TOPIC
8:30-8:45	Dr. Nisha Bhatia	Phantoms in Nuclear Medicine : Applications in Calibration, QA and Dosimetry
8:45-9:00	Dr. Ajay Kumar	Advancement in Non-imaging Modalities
9:00-9:15	Mr. Viraj Sawant	Latest developments in SPECT-CT : keeping us future ready
9:15-9:30	Mr. Dibya Prakash	NextGen PET technology: revolutionary advances of the decade
9:30-9:35	Q & A/Discussion	

09:35 - 10:40 AM : SESSION - 2 INNOVATIONS IN RADIOPHARMACEUTICALS

Chairperson: Dr. G.P. Bandopadhyaya, Dr. Sharmila Banerjee

TIMING	NAME OF SPEAKER	TOPIC
09:35-09:50	Dr. Sanjay Bharati	Radionanotheranostics in Nuclear Medicine
09:50-10:05	Dr. Jaya Shukla	Receptor based targeting with therapeutic radionuclides
10:05-10:20	Dr. Usha Pandey	Chemistry of no carrier added Lutetium-177
10:20-10:35	Dr. Rakhee Vatsa	Recent advances in targeted imaging and therapy with monoclonal antibodies
10:35-10:40	Q & A/Discussion	

10:40 - 10:55 AM : INDUSTRY TALK



10:55 - 11:15 AM HIGH TEA

11:15 - 12:20 PM : SESSION - 3 REGULATORY ASPECTS & RADIATION SAFETY

Chairperson: Dr. C.S. Bal, Dr. Nandini Pandit, Dr. Ishita Sen

TIMING	NAME OF SPEAKER	TOPIC
11:15-11:30	Dr. Dhananjay Kumar	Regulations in Nuclear Medicine – An Update
11:30-11:45	Dr. Pankaj Tandon	Troubleshooting in the era of Non-compliances in Nuclear Medicine Department
11:45-12:00	Dr Parul Thakral	Emerging NM Therapies: what all do we need to be fully equipped?
12:00-12:15	Ms. Priya Sharma	Critical organs and toxicities associated to Radionuclide Therapies
12:15-12:20	Q & A/Discussion	



12:20 - 1:20 PM ERNEST LAWRENCE ORATION
Dr. BALJINDER SINGH



Chairperson : Dr. Priyanka Gupta & Dr. Rajeev Kumar



1:20 - 2:15 PM LUNCH



2:15 - 2:30 PM : INDUSTRY TALK

2:30 - 3:35 PM : SESSION - 4 PRE – CLINICAL & CHALLENGES IN NUCLEAR MEDICINE PRACTICE

Chairperson: Dr. Rajesh Kumar, Dr. Aftab Hasan Nazar, Dr. Madhavi Tripathi

TIMING	NAME OF SPEAKER	TOPIC
2:30-2:45	Dr. Pardeep Kumar	Preclinical trials in NM: Overcoming the Obstacles
2:45-3:00	Dr. Pradip Chaudhari	Preclinical imaging in Cancer
3:00-3:15	Mr. Biju K	Challenges and Insights into quantification of thyroid imaging
3:15-3:30	Mr. Dinesh Rawat	Current Challenges in different facets of Nuclear Medicine
3:30-3:35	Q & A/Discussion	



3:35 - 3:50 PM HONOR CEREMONY



3:50 - 4:30 PM NUCLEAR KNIGHTS
The NM Quiz



Quizmasters : Mr. Gurkirat Singh Nizer, Dr. Ajay Kumar, Mr. Navneet Singh

4:30 - 4:55 PM : Chai Pe E-Poster Charcha

Judges : Screen 1 - Dr. Aditya Mahajan, Dr. Rakhee Vatsa
Screen 2 – Dr. Geetanjali Arora, Mr. Sunil Rana
Screen 3 – Dr. Praveen Kumar, Mrs. Shyamala Bembey
Screen 4 – Dr. Pardeep Kumar, Mr. Sanjiv Saw

5:00 - 6:00 PM INAUGRAL CEREMONY

05:00-05:10	Gracing the chairs and Bouquet presentation
05:10-05:20	Address by Patron Dr. CS Bal
05:20-05:25	Welcome Address by Organizing Chairman & NMPAI Secretary Dr. Priyanka Gupta
05:25-05:30	Address by President NMPAI Dr. Rajeev Kumar
05:30-05:35	Lamp Lightning And Prayer
05:35-05:40	Address by Director, AIIMS, New Delhi- Dr. M. Srinivas
05:40-05:45	Address by Dean (Academics) Dr. Kaushal K. Verma
05:45-05:50	Vote Of Thanks



6:00 - 7:00 PM GBM



7:00 PM ONWARDS - CULTURAL PROGRAM & DINNER



16th February 2025 (DAY 2)

7:30 AM ONWARDS : BREAKFAST

8:00 - 9:00 AM : ORAL PRESENTATIONS

Judges: Dr. S A Shamim, Dr. Durgesh Dwivedi, Dr. Shivanand Bhushan

TIMING	NAME OF SPEAKER	TOPIC
8:00-8:10	Dr. Ajay Kumar	Residual activity correction in liquid radioiodine I-131 Uptake: A Clinical necessity
8:10-8:20	Ms. Komalpreet Kaur	Preoperative localization and absolute quantification of parathyroid uptake and volume in patients diagnosed with primary hyperparathyroidism using quantitative SPECT/CT
8:20-8:30	Mr. Vishal Singh	Performance Evaluation of Radioimmunoconjugate ¹⁷⁷ Lu- CHX-A''-DTPA-Trastuzumab over the time: An Institutional Experience
8:30-8:40	Ms. Sejal Chopra	¹⁷⁷ Lu/ ¹⁸⁸ Re-Selective Internal Radionuclide Therapy: Absorbed Dose Estimates using High-Resolution, Absolute, Gafchromic Film Dosimetry and Theoretical Methods
8:40-8:50	Ms. Aarti Aggarwal	Incremental value of Rhenium-188 Microspheres over Rhenium perrhenate in Primary Hepatic Cancer Cell Lines
8:50-9:00	Ms. Saima Jan	Effect of ¹³¹ I Therapy on Complete Blood Count in Patients with Differentiated Thyroid Cancer

9:00 - 10:05 AM : SESSION - 5 CYCLOTRON

Chairperson: Dr. Pradeep Goswamy, Dr. Rajeev Kumar, Dr. Nishikant Damle

TIMING	NAME OF SPEAKER	TOPIC
9:00-9:15	Dr. Manish Dixit	Radiometals production using solid and liquid targets
9:15-9:30	Dr. Arjun Gopalakrishna	Centralized cyclotron facility: Challenges & Opportunities
9:30-9:45	Mr. Deepak Aheer	Planning, Operations and Decommissioning of Cyclotron facility in India
9:45-10:00	Mr. Dheeraj Kumar Pandey	Automation in Cyclotron produced Radiopharmaceuticals: Enhancing Precision and Safety
10:00-10:05	Q & A/Discussion	

10:05 - 10:55 AM : SESSION - 6 DOSIMETRY

Chairperson: Dr. S.P. Lochab, Dr. Durgesh Dwivedi, Dr. Parul Thakral

TIMING	NAME OF SPEAKER	TOPIC
10:05-10:20	Mr. Shubham Ghagh	Dosimetric tools and software in NM
10:20-10:35	Dr. Sarika Prashar	Voxel Based Dosimetry
10:35-10:50	Dr. Ankit Watts	Alpha Dosimetry
10:50-10:55	Q & A/Discussion	



10:55 - 11:15 AM HIGH TEA

11:15 - 12:20 PM : SESSION - 7 DIAGNOSTIC & THERAPEUTIC NUCLEAR MEDICINE

Chairperson: Dr. Rakesh Kumar, Dr. Atul Verma, Dr C.S. Bal

TIMING	NAME OF SPEAKER	TOPIC
11:15-11:30	Dr. Harmandeep Singh	Quantitative parameters in PET Oncology
11:30-11:45	Dr. Kh. Bangkim Chandra	Nuclear Cardiology & AI : A Clinical Perspective
11:45-12:00	Dr. Swagat Dash	Decoding The Various FAPI Complexes
12:00-12:15	Dr. Parveen Kundu	Post Therapy SPECT – Keystone of personalised treatment
12:15-12:20	Q & A/Discussion	



12:20 - 1:20 PM HAL ANGER ORATION

Dr. P.K. PRADHAN



Chairperson : Dr. Priyanka Gupta & Dr. Rajeev Kumar



1:20 - 2:15 PM LUNCH



2:15 - 3:00 PM : PANEL DISCUSSION

Topic : Professional Competency Concerns with respect to increasing Nuclear Medicine courses in India : Do we need a Certification exam?

MODERATOR	PANELIST
1. Ms. Pooja Dwivedi	1. Dr. C.S. Bal 2. Dr. Nandini Pandit 3. Dr. Ashish Jha 4. Dr. Pankaj Tandon 5. Mrs. Sibi Oommen 6. Dr. Sarika Prashar

03:00 - 04:05 PM : SESSION - 8 Robotics & AI in Nuclear Medicine

Chairperson: Dr. Anil K Pandey, Dr. Kh Bangkim Chandra, Dr. S.A. Shamim

TIMING	NAME OF SPEAKER	TOPIC
3:00-3:15	Dr. Sneha Mithun	Application of Chatbots in Nuclear Medicine
3:15-3:30	Dr. Nivedita Rana	Robotic Biopsy: Instrumentation, Technicalities and Applications
3:30-3:45	Dr. Ashish Jha	Radiomics & AI: exploring endless dimensions in NM
3:45-4:00	Mr. Alok Kumar	Ethical Considerations for Artificial Intelligence in Medical imaging
4:00-4:05	Q & A/Discussion	

04:05– 05:10 PM : SESSION – 9 Paths less travelled in NM – More to explore

Chairperson: Dr. Aalapti Singh, Dr. Ankit Watts, Dr. Priyanka Gupta

TIMING	NAME OF SPEAKER	TOPIC
4:05-4:20	Dr. Nitya Wagharay	Revolutionizing mental health diagnostics: PET and SPECT in the era of molecular imaging and personalized medicine
4:20-4:35	Mr. Nishant Rana	Tb-161 : Are we ready?
4:35-4:50	Ms. Manpreet Kaur	Exploring the potential of Radiolabelled <u>Glypican</u>
4:50-5:05	Ms. Komalpreet Kaur	Total Body Scanners: Redefining Precision in a Single Scan
5:05-5:10	Q & A/Discussion	

05:10 - 05:20 PM
VALEDICTORY FUNCTION
&
CLOSING CEREMONY



05:20 PM ONWARDS HIGH TEA

