



8TH
ANNUAL CONFERENCE OF
PAKISTAN SOCIETY OF NUCLEAR MEDICINE

**“Nuclear Medicine in
Pakistan - Generation Next”**

- 👁️ Workshops
- 👁️ Exhibition
- 👁️ Invited Lectures
- 👁️ Award / Dinner



OCTOBER 2023

20th - 22nd

PC Hotel, Rawalpindi





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PRESIDENT'S MESSAGE

Dear Colleagues and Distinguished Guests,

It is with immense pleasure and pride that I welcome you to the 8th Annual Conference of the Pakistan Society of Nuclear Medicine, themed "Nuclear Medicine in Pakistan-Generation Next."

This conference stands as a testament to the dedication, innovation, and commitment of our vibrant community of nuclear medicine professionals. It is about nurturing young talents, empowering seasoned experts, and embracing innovations that promise to transform patient outcomes.

As we gather to explore the horizons of Nuclear Medicine in Pakistan, we envision a future where cutting-edge technology and unwavering compassion converge to redefine healthcare. The theme, "Generation Next," underscores our journey into a new era where the promise of nuclear medicine knows no bounds.

I extend my deepest gratitude to all participants, speakers, and organizers whose tireless efforts have brought this conference to life. I also thank our sponsors and partners for their unwavering support.

As we embark on this exciting journey, I encourage you to engage, network, and learn. Embrace the spirit of innovation and collaboration that defines our community, and let us collectively shape the future of nuclear medicine in Pakistan.

Thank you for joining us on this remarkable voyage, and I look forward to the insights, knowledge sharing, and camaraderie that this conference promises.

Warm Regards,

Shazia Fatima
President, Pakistan Society of Nuclear Medicine



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8TH ANNUAL CONFERENCE OF PAKISTAN SOCIETY OF NUCLEAR MEDICINE



Day 01 | FRIDAY, October 20th, 2023

TIME	TOPIC	SPEAKERS
14:30 - 15:30	NM Leadership Symposium	
16:00 - 17:45	Inaugural / Plenary Session	Chief Guest: Lt. Gen Mohsin M. Qureshi, HI(M), Surgeon General/DGMS (IS) Secretary: Muhammad Inamullah Nouman
15:45 - 16:00	Guests to be seated	
16:00 - 16:05	Recitation of Holy Quran	
16:05 - 16:10	National Anthem	
16:10 - 16:20	Welcome Address by President PSNM	Shazia Fatima
16:20 - 16:50	Precision Imaging to Guide Cancer Treatment	Umar Mehmood
16:50 - 17:05	Current and Future Perspectives in Theranostics, with a Special Emphasis on the Advancements in Theranostic Radiopharmaceutical in Korea	Yun-Sang Lee
17:05 - 17:15	Address by Chief Guest	
17:15 - 17:45	Group Photo, Inauguration of Industry Exhibition & Tea Break	
18:00 - 20:00	General Body Meeting	



Day 02 | SATURDAY, October 21st, 2023

08:30 - 11:00	Scientific Session 01	Moderator: Ambreen Khawar Chairperson: M. Khalid Nawaz Co-Chairperson: Musab Riaz
08:30 - 08:45	Nuclear Medicine - Future Outlook in Pakistan	Ahmad Qureshy (PAEC)
08:45 - 09:00	New Isotope on Pakistan's Theranostic Horizon	Shabana Saeed (PIEAS)
09:00 - 09:30	Theranostics: Science & Practice	Stefano Fanti (Italy)
09:30 - 09:50	A Run through Theranostics; A Personalized Approach of Today & Into the Future	Rizwan Syed (UK)
09:50 - 10:10	Current Status of Nuclear Medicine and Theranostic in Africa	Nozha Bin Rais (Morocco)
10:10 - 10:30	Most Promising Future Isotopes: ⁶⁸ Ga, ¹⁷⁷ Lu & ²²⁵ Ac	Machel Kevin (Germany)
10:30 - 10:50	Theranostics - Back to the Future	Barbara Hertz (USA)
10:50 - 11:00	TEA BREAK	



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TIME	TOPIC	SPEAKERS
11:00 - 12:15	Scientific Session 02	Moderator: Zaigham Dar Chairperson: Ahmad Qureshy Co-Chairperson: Shahzad Afzal
11:00 - 11:30	What are the Imaging Competitors of Nuclear Cardiology in the CAD in 2023?	Denis Agostini (France)
11:30 - 11:45	Cardiac Amyloidosis Imaging	Hajira Ilyas (SKMH)
11:45 - 12:00	Multimodality Imaging in CAD with Appropriateness Criteria	Qaiser Siraj (Kuwait)
12:00 - 12:15	PET CT in Vasculitis	Humayun Bashir (UK)
12:15 - 14:00	Scientific Session 03	Moderator: Saima Haider Chairperson: M. Faheem Co-Chairperson: Riffat Hussain
12:15 - 12:45	Future Prospects in Nuclear Medicine and PET?	Katherine Zukotynski (ACNM)
12:45 - 13:05	Expanding Horizons: The Role of ⁶⁸ Ga-PSMA in Non Prostate Cancer	Sharjeel Usmani (Oman)
13:05 - 13:25	Ga-68 DOTA NOC PET/CT in Neuroendocrine Tumors	Arzoo Fatima (INMOL)
13:25 - 13:40	PERCIST in Breast Cancer	Akhtar Ahmed (ZUH)
13:40 - 14:30	LUNCH BREAK	
14:30 - 15:15	Debate : "Will Hybrid Imaging Make Conventional Imaging Obsolete"	Moderator: Aakif Ullah Khan Speakers: Aamna Hassan M. Numair Younis
15:15 - 18:00	Scientific Session 04	Moderator: Saima Sehar Chairperson: Brig. Fida Hussain Co-Chairperson: M. Mansoor
15:15 - 15:30	Dual-Tracer Radionuclide Imaging in Hyperparathyroidism: Thallium-201 Parathyroid Imaging Revisited	Qaiser Siraj (Kuwait)
15:30 - 17:00	Neuro-Oncology Nuclear Physician's Perspective PET Imaging in Neuro-Oncology Neuro-Oncology "PET Molecular Imaging (MI) in the Era of Precision Neurosurgery: A New Paradigm?"	Arif Sheikh (USA) Ali Nabavizadeh (USA) Peter Bouz (USA) Martin Satter (USA)
17:00 - 17:20	Clinical Applications of FDG and Non FDG Tracers in Oncology: A Tool for Theranostics	Gopinath Ganasegaran (UK)
17:20 - 17:35	Theranostic in Gastro EnteroPancreatic Neuroendocrine Tumours (GEPNETS) Past, Present, & Future	Aakif Ullah Khan (IRNUM)
17:35 - 17:45	Q & A	



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Day 02 | SATURDAY, October 21st, 2023

TIME	TOPIC	PRESENTER
	Poster Presentation Group I	
	Evaluation Committee: Muhammad Adnan Saeed Azra Ahmed	Saima Haider Asif Jellani
15:30 - 16:45		
15:30 - 15:35	Comparing Diagnostic Performance of 68Ga PSMA PET-CT and Pelvic mp-MRI in Detection of Prostate Cancer	Tahira Yasmeen (INMOL)
15:35 - 15:40	Comparison Between Two Processing Softwares XELERIS & SYNGO-P to Quantify Differential Renal Functioning Parameters (DRF) of DMSA Scintigraphy	Khizra Habib (SIUT)
15:40 - 15:45	Formulation, Radiobiological Evaluation, QC and Clinical Applications of Lu177 Hydroxy Apatite Intended for Radiosynovectomy	Saileen Khan (IRNUM)
15:45 - 15:50	Photodynamic Therapy in Leshmeniasis using Indigiously Produced Photosensitizer and Laser Machine	Qamar Zia (IRNUM)
15:50 - 15:55	Role of Radiosynovectomy in Hemophilia IRNUM Experience	Sabin Zia (IRNUM)
15:55 - 16:00	Utility of Tc-99m UBI (29-41SPECT/CT for Diagnosis and Follow-up of Skull Base Osteomyelitis & Comparison with Tc-99m MDP SPECT/CT	Imran Asif (CENAR)
16:00 - 16:05	Emphysematous Osteomyelitis Diagnosed on Tc99m MDP SPECT-CT Scintigraphy	Farkhanda Gillani (PINUM)
16:05 - 16:10	Scintigraphic Patterns of Duplex Kidney with Coexisting Renal Anomalies	Naureen Nizar (SIUT)
16:10 - 16:15	Correlation of Duke's Treadmill Score with Gated Myocardial Perfusion Imaging and CT Angiography in Patients Referred for Chest Pain Evaluation	M. Sadiq (CENAR)
16:15 - 16:20	Utility of Bone Scan Quantitative Parameters for the Evaluation of Prostate Cancer Patients	Nayab Mustansir (AFIRI-MH)



Day 02 | SATURDAY, October 21st, 2023

TIME	TOPIC	PRESENTER
15:30 - 16:45	Poster Presentation Group II Evaluation Committee: Muhammad Rauf Zaheer Chiragh	M. Asif Rafique Hafiz Khushnaseeb
15:30 - 15:35	Inferior Partial Sternal Cleft Mimicking Lytic Metastasis on 99mTc-MDP Bone Scan: A Rare Presentation	Mariha Aslam (PINUM)
15:35 - 15:40	99mTc-MDP Bone Scan in the Diagnosis of Unilateral Condylar Hyperplasia	Shagufta Kanwal (CENAR)
15:40 - 15:45	An Unusual Case of Alveolar Rhabdomyosarcoma of Nasal Sinuses with Orbital Involvement in an Adult Patient	Azra Parveen (INMOL)
15:45 - 15:50	Diagnostic Challenge: Achalasia Masquerading as Retrosternal Goiter on Thyroid Scintigraphy; A Case Report	Hafsa Arshad (MINAR)
15:50 - 15:55	Diagnostic Accuracy of Ultrasound Based Thyroid Imaging Reporting & Data System (TIRADs) in Detecting Benign & Malignant Thyroid Nodule Considering FNAC as Gold Standard	Bushra Sabeen (KIRAN)
15:55 - 16:00	Prognostic Strength of Ca-19-9 Demographic Parameters and SUVmax of Baseline F-FDG PET/CT in Treatment of Naïve Patients with Pancreatic Carcinoma	Nosheen Fatima (AKUH)
16:00 - 16:05	Nutcracker Syndrome	Nayab Mustansir (AFIRI-MH)
16:05 - 16:10	Impact of Hypothyroid Status on Renal Functions and Clearance Parameters Assessed by DTPA Renal Scintigraphy	Kiran Basharat
16:10 - 16:15	Improving Nuclear Medicine Procedural Safety and Professionalism Through Optimizing Documentation and Patient Staff Communication: Experience at AECH-NORI-Islamabad	M. Faheem Shahzad (NORI)
16:15 - 16:20	Initial Experience of with Locally Produced Lu-177 DOTATA for Treatment of GEPNETs at IRNUM	Sabin Zia (IRNUM)



Day 03 | SUNDAY, October 22nd, 2023

TIME	TOPIC	SPEAKERS
08:30 - 09:50	Scientific Session 05	Moderator: Saif ul Haque Chairperson: M. Sohaib Co-Chairperson: Mehdi Raza
08:30 - 08:50	The Current Status and Prospects of Nuclear Medicine in China	Jing Wing, President (CSNM)
08:50 - 09:05	Role of SPECT-CT in Management of Thyroid Cancer	Basit Iqbal (GINUM)
09:05 - 09:20	Thyroid Cancer Management - Comparison of Guidelines	Adnan Saeed (NORI)
09:20 - 09:35	Management of Thyroid Cancer: A Do-able Model of Theranostic	M. Babar Imran (PINUM)
09:35 - 09:50	TKIs in Thyroid Cancer	Asghar H. Asghar (KIRAN)
09:50 - 11:40	Scientific Session 06	Moderator: Irfanullah Khan Chairperson: M. Wasim Co-Chairperson: M. Nadeem
09:50 - 10:20	Radionanomedicine for Theranostics	Yang Sung Lee (Korea)
10:20 - 10:50	Peptide-based Radiopharmaceuticals Useful Tumor Targeting Agents	Subhani Okarvi (KSA)
10:50 - 11:05	Preparation and Clinical Translation of ^{99m} Tc-HYNIC-PSMA for SPECT Imaging of Prostate Cancer	Nadeem Lodhi (PINSTECH)
11:05 - 11:25	Artificial Intelligence in Medical Imaging	Khan Siddiqui (USA)
11:25 - 11:40	Internal Dosimetry for Patients Protection and Regulatory Frame Work	M. Shahid (PNRA)
10:00 - 10:45	Free Paper Session 01 (Conference Hall)	Moderator: Amir Bahadur Chairperson: Shoaib Shah Co-Chairperson: Tariq Mirza
10:00 - 10:05	Management and Long Term Outcome of Patients of Papillary Thyroid Microcarcinoma—A Single Center Experience	Kahkashan Mir (NORI)
10:05 - 10:10	Experience of Targeted Radionuclide Therapy in Neuroendocrine Tumours (NETs) using Lutitium-177 DOTATATE in NORI	Wajiha Nasir (NORI)
10:10 - 10:15	Artificial Intelligence-based Classification of Thyroid Scintigraphy	Awais Ur-Rahman (CENAR)
10:15 - 10:20	Association between DEXA Scan Results, Hypothyroidism, Reduced Vitamin D Levels, and Thalassemia: A Comparative Analysis	Ayesha Ammar (NORI)
10:20 - 10:25	The Use of Deep Neural Network for Estimation of Voxel level Internal Dosimetry	Sajid Bashir (PINUM)



TIME	TOPIC	SPEAKERS
10:25 - 10:30	Higher Cardiac Events with Impaired Exercise Tolerance (METS <7) & Lower Ejection Fraction <45% in Patients with Medium to Large Size Fixed Perfusion Defect(s) on Gated Myocardial Perfusion Scintigraphy with Prior Coronary Revascularization	Maseeh us Zaman (AKUH)
10:30 - 10:35	Standardization in Pre-imaging Protocols in follow up 18FDG PET/CT Studies in Lymphoma Patients; Reasons Beyond Benchmark	Nosheen Fatima (AKUH)
10:35 - 10:40	Assessment of Molybdenum Concentration Level in 99Mo/99mTc Generators (Pakgen): IRNUM Experience	Irfan Ali (IRNUM)
10:40 - 10:45	The Role of Lutetium in Neuroendocrine Tumor Treatment: From Bench to Bedside	Aakifullah (IRNUM)
10:45 - 11:30	Free Paper Session 02 (Conference Hall)	Moderator: Sadiq Nohario Chairperson: Javaid Irfan Co-Chairperson: M. Anees
10:45 - 10:50	Quantitative Analysis in Parathyroid Scintigraphy: [99mTc] Tc-MIBI SPECT/CT a Tool for Non-Invasive Characterization of Parathyroid Lesions	Sidra Bashir (DINAR)
11:50 - 10:55	The Role of a Nuclear Medicine Technologist in Radio Synovectomy	Maheen (IRNUM)
10:55 - 11:00	Assessment of Individual Renal Function by Absolute Renal Uptake Using 99mTc-MAG3 Renography and its Comparison with 99mTc-DMSA	Husnain Dilawar (KIRAN)
11:00 - 11:05	Utility of MAA SPECT/CT Perfusion Scintigraphy in the Diagnosis of Pulmonary Embolism; Our Experience	Khalida Khursheed (NORI)
11:05 - 11:10	Diagnostic Accuracy of Tc-99m-Sestamibi in Differentiating Benign vs. Malignant Renal Masses	Zeeshan (AFIP)
11:10 - 11:15	Emerging Role of Artificial Intelligence in Cytology of Papillary Thyroid Carcinoma (PTC)	Tania Jabbar (PINUM)
11:15 - 11:20	Pretest Likelihood of CAD in MP Scan in Comparison to MPS Results; as Studies in Our Population	Farzeen Zahra (NORI)
11:20 - 11:25	Artificial Intelligence Assisted Diagnosis of Metastasis on Whole Body Bone Scan Images	Zeeshan Hameed (NUST)
11:25 - 11:30	Clinical utility of BRAF and pTERT Mutations in Precision Management of Papillary Thyroid Cancer	Hamid Bashir (PINUM)
11:30 - 11:35	Thyroid Scintigraphy - Is It a Fundamental Investigation in Every Thyroid Case?	Lubna Jadoon Khan (AEMCK)
11:40 - 12:00	Closing Ceremony	Moderator: Zaheer Chiragh
11:40 - 11:50	Distribution of Souvenirs	
11:50 - 11:55	Vote of Thanks by Shazia Fatima - President, PSNM	
11:55	NETWORKING & TEA	