PASNO Pakistan Society of Neuro-Oncology

PANS

7ANOS

7TH ANNUAL NEURO-ONCOLOGY SYMPOSIUM

NEURO-ONCOLOGY IN THE REAL WORLD

CHALLENGES, INNOVATIONS AND IMPACT

SYMPOSIUM PROGRAM

CME ACCREDITED ACTIVITY
10 CME POINTS
BY JSMU

Saturday – Sunday, October 3rd – 4th, 2026

Jinnah Postgraduate Medical Centre (JPMC), Karachi

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Society of Medical Oncology-Pakistan

brain tumour foundation of Pakistan

NSG

WELCOME MESSAGE FROM THE CHAIR

7th Annual Neuro-Oncology Symposium (7ANOS) | JPMC, Karachi

Dr. Shumaila Arooj

Chair, 7ANOS

It is a privilege and a pleasure to welcome you to the 7ANOS, hosted at Jinnah Postgraduate Medical Centre, Karachi, under the theme **"Neuro-Oncology in the Real World: Challenges, Innovations, & Impact."**

Neuro-oncology stands at an exciting crossroads, where advances in molecular biology, precision imaging, neurosurgery, radiation oncology, systemic therapies, and artificial intelligence are reshaping the way we understand and treat patients with neurological malignancies. At the same time, the realities of clinical practice remind us that innovation is meaningful only when it can translate into accessible, practical, and patient-centered care.

The 7ANOS seeks to bring these two perspectives together. Our scientific program has been designed to move beyond the presentation of new developments and to address the real-world challenges of diagnosis, treatment, decision-making, and multidisciplinary care. We are delighted to bring together distinguished national and international faculty, established experts, young professionals, and trainees to share perspectives, exchange ideas, and foster meaningful academic collaboration.

I hope this symposium will be more than a scientific meeting. I hope it will be a platform for dialogue, mentorship, collaboration, and the exchange of ideas that can shape the future of neuro-oncology in our region.

On behalf of the organizing committee, I warmly welcome all our faculty and delegates. Your presence and participation are what make a meeting truly meaningful, and we look forward to an intellectually stimulating and memorable symposium.

Welcome to the 7ANOS. We look forward to learning, collaborating, and advancing neuro-oncology together.

Dr. Shumaila Arooj
Chair, 7ANOS

PASNO PRESIDENT MESSAGE

7th Annual Neuro-Oncology Symposium (7ANOS) | JPMC, Karachi

Prof. Syed Ather Enam, SI

President, PASNO & PANS

It gives me great pleasure to welcome you to the 7th Annual Neuro-Oncology Symposium (7ANOS), organized by the Pakistan Society of Neuro-Oncology (PASNO) and the Pakistan Academy of Neurological Surgery (PANS), in collaboration with Jinnah Postgraduate Medical Centre (JPMC), Aga Khan University, and the Brain Tumor Foundation of Pakistan (BTFPAK).

This year represents an important milestone: for the first time, ANOS is moving beyond Aga Khan University to a public-sector institution. JPMC is one of Pakistan's largest public-sector healthcare institutions and manages a tremendous volume of patients with brain tumors. Holding 7ANOS here brings the symposium closer to the realities of neuro-oncology care in Pakistan and strengthens collaboration between the public and private sectors.

ANOS has developed into an important multidisciplinary forum for clinicians, scientists, trainees, nurses, patients, and advocates. At a time of rapid advances in imaging, molecular diagnostics, surgery, radiation therapy, and systemic treatments, we must also address the continuing challenges of access, affordability, multidisciplinary care, and locally relevant research.

I warmly welcome our national and international speakers and faculty, particularly those who have traveled from other cities and countries to share their expertise with us.

My special appreciation goes to Dr. Shumaila Arooj, Chair of 7ANOS, for her leadership in bringing the symposium to JPMC. I also thank Prof. Dr. Fatima Mubarak, Dr. Adnan Jabbar, Dr. Hafiza Fatima Aziz, Dr. Ahsan Ali Khan, Dr. Kamran Saeed, Dr. Asim Hafiz, Dr. Shayan Sirat, Dr. Adeeba Zaki and Dr. Zainab Javed for leading the various committees and developing the scientific program.

I am deeply grateful to Prof. Dr. Khalid Sher, Executive Director of JPMC, and Prof. Dr. Tariq Mahmood, Professor Emeritus of Radiation Oncology at JPMC, for facilitating the symposium and extending their invaluable institutional support.

The administrative and communications work undertaken through PANS has been equally important. I particularly acknowledge Sohail Malik, Managing Director of PANS; Sonia Ahmed, who leads our social media work; Tooba Bukhari, Media Director; and Shariff Charania for their sustained efforts behind the scenes.

I also recognize NSIG-AKU and NSIG-SMC for their enthusiastic involvement. The energy, passion, and fresh perspective that these students bring to 7ANOS are inspiring and essential to building the next generation of professionals committed to neuroscience and neuro-oncology.

I thank BTFPAK for bringing the voices of patients and families into the symposium, as well as our speakers, moderators, sponsors, partner institutions, trainees, volunteers, and participants.

I hope 7ANOS leads to stronger collaborations, meaningful research, improved training, and better outcomes for our patients. I wish you all a stimulating and productive symposium.

Syed Ather Enam, SI
MD, PhD, FRCSI, FRCSC, FRCSG, FACS
Professor of Neurosurgery
Sakarkhanum & Hussain Ebrahim Family Chair
Director, Centre for Regenerative Medicine and Stem Cell Research
Director, Centre of Oncological Research in Surgery
Scientific Director, Juma Research Laboratories

PRE-CONFERENCE EDUCATIONAL WORKSHOPS

Thursday & Friday, October 1st – 2nd, 2026 | AKU & JPMC

WORKSHOPS OVERVIEW

1. Neuro-Oncology Radiotherapy Workshop

Director: Dr. Asim Hafiz | **Thursday, Oct 1 | 2:00 PM – 5:00 PM**

Co-Director: Dr. Bilal Mazhar Qureshi

Venue: JHS Seminar Room, Aga Khan University

2. Neuro-Radiology Workshop

Director: Prof. Fatima Mubarak | **Friday, Oct 2 | 9:00 AM – 1:00 PM**

Co-Director: Dr. Shumaila Arooj, Muhammad Ahmed

Venue: UC Building, Floor 13, Classrooms 13-1 & 13-2, Aga Khan University

3. Neuro-Ophthalmology Workshop

Director: Dr. Sehrish Momin | **Friday, Oct 2 | 9:00 AM – 12:00 PM**

Co-Director: Dr. Zanib Javed

Venue: ASLS Seminar Room, Aga Khan University

4. Radiosurgery Workshop

Director: Dr. Kamran Saeed | **Friday, Oct 2 | 9:00 AM – 12:00 PM**

Co-Director: Dr. Amna Munawar

Venue: CyberKnife Centre, JPMC

5. Brain Tumor Surgery Lab Workshop

Director: Dr. Ahsan Khan | **Friday, Oct 2 | 9:00 AM – 12:30 PM**

Venue: ASLS Laboratory, Aga Khan University

SESSION CHAIRPERSONS

7th Annual Neuro-Oncology Symposium (7ANOS) | Karachi

Distinguished Session Chairs & Co-Chairs

Chairpersons	Session
Chair: Prof. Raja Riaz **Co-Chair:** Prof. Lal Rahman	**Session 1: Surgical Neuro-Oncology (Neurosurgery)**
Chair: Prof. Fatima Mubarak **Co-Chair:** Dr. Shumaila Arooj	**Session 2: Neuroradiology**
Session Chair: Ms. Komal Syed	**Session 3: Brain Tumor Foundation of Pakistan**
Chair: Dr. Adnan Jabbar **Co-Chair:** Dr. Adeeba Zaki	**Session 7: Medical Oncology**
Chair: Dr. Kamran Saeed **Co-Chair:** Dr. Asim Hafiz	**Session 8: Radiation Oncology**

7ANOS SCIENTIFIC & ORGANIZING COMMITTEE

7th Annual Neuro-Oncology Symposium (7ANOS) | Karachi

LEADERSHIP & CHAIRS

Organising & Scientific Chair	Dr. Shumaila Arooj
Workshop Committee Chair	Dr. Fatima Mubarak | **Co-Chair** Dr. Fauzan Hashmi
Publication Committee Chair	Dr. Hafiza Fatima Aziz | **Co-Chair** Dr. Shayan Sirat

PUBLICATION COMMITTEE MEMBERS

Dr. Hafiza Fatima Aziz, Committee Chair	Dr. Asim Hafiz
Dr. Zanib Javed	Dr. Adeeba Zaki
Dr. Shayan Sirat	Mr. Shariff Charaniya

ORGANIZING COMMITTEE MEMBERS

Logistics, Budget & Finance Committee	Sohail Malik, Shariff Charania
Digital Marketing & Event Committee	Tooba Bukhari, Sonia Ahmed
Supporting Staff	Mr. Shafeen Gulamani

ACKNOWLEDGMENT

We extend our deepest gratitude to the NSIG team, JPMC audiovisual crew, photographers, and dedicated vendors for their seamless coordination and hard work in bringing 7ANOS to life.

INTERNATIONAL FACULTY

7th Annual Neuro-Oncology Symposium (7ANOS)

Dr. Majid Aziz Khan

Johns Hopkins University, USA

Distinguished Radiologist and Neuroradiologist at Johns Hopkins University, where he serves as Director of Non-Vascular Spine Intervention and Professor of Clinical Radiology and Radiological Science. He also holds professorial appointments in Neurological Surgery and Otolaryngology–Head and Neck Surgery.

Dr. Asim Z. Mian

Boston University School of Medicine, USA

Board-certified radiologist at Boston Medical Center (BMC) and associate professor of radiology and neuroradiology. Created the functional MRI program at BMC and has extensive experience treating stroke and trauma victims with a focus on brain tumor imaging.

Dr. Manzoor Ahmed

Sheikh Khalifa Medical City, Abu Dhabi

Experienced Diagnostic Neuroradiologist with over 20 years of experience. Serves as Chair of the Radiology Department at Sheikh Khalifa Medical City, Abu Dhabi, and former Chair of the SEHA Radiology Council.

Dr. Derek S. Tsang

University of Toronto & Princess Margaret Cancer Centre, Canada

Associate Professor of Radiation Oncology and Radiation Oncologist at Princess Margaret Cancer Centre. Clinical expertise includes paediatric solid tumours and adult primary CNS and benign brain tumours.

NATIONAL FACULTY

7th Annual Neuro-Oncology Symposium (7ANOS)

Prof. Dr. Salman Yousuf Sharif
HEAD OF DEPARTMENT
Department of Spinal and Neurosurgery
Liaquat National Hospital & Medical College

Dr. Naveed ZamanAkhundzada
ASSOCIATE PROFESSOR
Consultant Neurosurgeon & Head,
Department of Neurosurgery
Rehman Medical Institute (RMI)

Dr. Ahsan Ali Khan
SENIOR CONSULTANT & HEAD
Department of Neurosurgery
Mukhtar A. Sheikh Memorial Welfare Hospital (MASH)

Dr. Saad Siddiqui
ASSISTANT PROFESSOR OF RADIOLOGY
Northwest School of Medicine
Consultant Radiologist, Northwest General Hospital & Research Centre

Dr. Muhammad Tariq
CONSULTANT & ASSISTANT PROFESSOR
Medical Oncology & Hematology
Department of Oncology, Khyber Teaching Hospital,
Medical Teaching Institution (MTI)

Dr. Hira Khan Afridi
ASSISTANT PROFESSOR
Department of Oncology
Consultant Medical Oncologist
Liaquat National Hospital & Medical College

Dr. Naureen Mushtaq
PROFESSOR
Section Head of Paediatric Oncology,
Department of Oncology
Consultant Paediatric Neuro-Oncologist
Aga Khan University Hospital

Dr. Amjad Zafar
CONSULTANT MEDICAL ONCOLOGIST
Pakistan Kidney and Liver Institute & Research Center
Hameed Latif Hospital

Dr. Muneeb Uddin Karim
CONSULTANT IN CLINICAL & RADIATION ONCOLOGIST
Department of Clinical & Radiation Oncology
Shaukat Khanum Memorial Cancer Hospital & Research Centre

Dr. Muhammad Furrukh
CONSULTANT RADIATION ONCOLOGIST
Department of Radiation Oncology
Shifa International Hospital Ltd.

Dr Abdus Samad Syed
HEAD OF DEPARTMENT
Department of Radiation Oncology
Combined Military Hospital (CMH)

BEHIND THE SCAN

Living with a Brain Tumor in the Real World | Hosted by BTFPAK

brain tumour foundation of Pakistan

Session Overview & Lived Realities

Session Chair: Komal Syed, Founder — BTFPAK

Founded by a former caregiver who lost her spouse to Glioblastoma, BTFPAK brings the patient and family voice to the forefront of neuro-oncology in Pakistan. This 90-minute session brings together three brain tumour survivors and a founding clinician-advocate to explore the lived realities behind a diagnosis.

Ashfaq Ahmed, a lab technologist and glioma survivor turned COVID-19 frontline hero, shares his journey of resilience. Mohammed Millwala, a Stage 4 GBM warrior, speaks on finding hope amid the toughest prognosis. Dr. Sahar Khursheed, an ENT surgeon and brain tumour survivor, offers the rare dual perspective of doctor and patient. Dr. Ahsan Khan, founding neurosurgeon of BTFPAK, reflects on why clinicians must become advocates.

The session's aim is to put the patient and caregiver perspective at the forefront and concludes with an interactive activity with the medical professional audience.

Featured Panelists & Survivors:

Mohammed Millwala Stage 4 GBM warrior | Diagnosed in May 2022 | Currently focused on building strength and sharing hope | Brainchild behind @stage4_GBMwarrior|

Dr. Sahar Khursheed ENT Specialist & Surgeon | Brain Tumor Survivor
A Doctor. A Patient. A Survivor. A Story of Hope.
Dr. Sahar Khursheed is an ENT Registrar at Baqai Medical University, Karachi, Pakistan. She is involved in clinical training and patient care within the field of Otorhinolaryngology (ENT) and participates in academic and postgraduate medical activities at Baqai Medical University.

Ashfaq Ahmed is a Lab Technologist | Non-malignant Glioma
Ashfaq Ahmed is a lab technologist at Mufti Mehmood Memorial Teaching Hospital, Dera Ismail Khan, Khyber Pakhtunkhwa. Diagnosed with a non-malignant glioma in 2018, he underwent resection surgery in Rawalpindi followed by CyberKnife treatment in Karachi. A brain tumor survivor and patient advocate, he has become a source of inspiration for others. Despite being immunocompromised, he courageously volunteered to collect the first COVID-19 sample from Pakistan's first quarantine centre, becoming an example of dedication and resilience in healthcare.

NEUROTRIVIA: Decode & Diagnose

Parallel Student Session | Hosted by NSIG

Decode & Diagnose offers medical students an opportunity to come together, explore the neurological sciences, and put their knowledge and clinical reasoning to the test.

Introduced by the Neuroscience Interest Group (NSIG), Aga Khan University Hospital, as part of the 7th Annual Neuro-Oncology Symposium (7ANOS), the competition brings together 30 teams and spans neuroanatomy, neurosurgery, neuro-oncology, neuroradiology, neuropathology, and clinical reasoning, culminating in a live Jeopardy-style Grand Finale featuring the top five teams.

SYMPOSIUM PROGRAM — DAY 1

Saturday, October 3, 2026 | Jinnah Postgraduate Medical Centre (JPMC), Karachi

DAY 1: SATURDAY, OCTOBER 3, 2026

TIMING	SESSION DETAILS	TIMING WITHIN SESSION
8:30 AM – 9:00 AM	**Participant Registration** Badge collection and welcome desk.	8:30 AM – 9:00 AM
9:00 AM – 10:30 AM	**SESSION 1: SURGICAL NEURO-ONCOLOGY (NEUROSURGERY)** **Chairs:** Prof. Raja Riaz | **Co-Chair:** Prof. Lal Rahman	30 min (Total)
	Invited Talks:	
	• Metastatic Spine Disease in LMICS: Balancing Evidence, Resources, and Patient Outcomes — Dr. Salman Sharif	9:00 – 9:10 AM
	• Enhanced Recovery in Brain Tumor Surgery: From Evidence to Implementation — Dr. Ahsan Khan	9:10 – 9:20 AM
	• Awake Craniotomy in Pakistan: From Challenges to Success — Dr. Naveed Zaman	9:20 – 9:30 AM
	Panel Discussion: Multidisciplinary Management of Brain Tumors (Pakistan Neuro-Oncology Tumor Board) |	60 min: 9:30 – 10:30 AM
	Moderator: Dr. Rashid Jooma | **Panelists:** Dr. Asif Bashir, Dr. Naveed Ashraf, Dr. Shah Khalid, Dr. Naureen Mushtaq, Dr. Bilal Mazhar, Dr. Manzar Hussain, Dr. Adeeba Zaki, Dr. Aisha Memon	
10:30 AM – 10:45 AM	**Tea Break, Networking & Poster Viewing**	10:30 AM – 10:45 AM
10:45 AM – 12:15 PM	**SESSION 2: NEURORADIOLOGY** **Theme: Advanced Neuro-Oncology Imaging: From Radiogenomics to Real-World Clinical Decision-Making** **Chairs:** Prof. Fatima Mubarak | **Co-Chair:** Dr. Shumaila Arooj	90 min (Total)
	• **KEYNOTE: Advanced Spine Imaging: Tips and Tricks — DR. MAJID KHAN**	10:45 – 11:15 AM
	• Clinical Implementation of Active Task BOLD fMRI — Dr. Asim Z. Mian	11:15 – 11:35 AM
	• Brain Tumor Imaging in the Post-WHO 2021 Era: Radiogenomics and Beyond — Dr. Manzoor Ahmed	11:35 – 11:55 AM
	• Language of Neuro-Oncology MRI — Dr. Saad Siddiqui	11:55 – 12:05 PM
	• Audience Q&A & Discussion	12:05 – 12:15 PM

Parallel Student Session: 11:00AM – 1:00 PM

NeuroTrivia: Decode & Diagnose – Preliminary Round

Organized by the Neuroscience Interest Group (NSIG), AKU, Held concurrently with the Day 1 academic sessions.

SYMPOSIUM PROGRAM — DAY 1 (CONT.)

Saturday, October 3, 2026 | JPMC, Karachi

TIMING	SESSION DETAILS	TIMING WITHIN SESSION
12:15 PM – 1:45 PM	**SESSION 3: BRAIN TUMOR FOUNDATION OF PAKISTAN**	90 min (Total)
	Theme: Behind the Scan: Living with a Brain Tumor in the Real World **Session Chair:** Ms. Komal Syed, Founder — BTFPAK	
	• 50,000 Families — Ms. Komal Syed	12:15 – 12:25 PM
	• The Day Everything Changed — Mr. Mohammad Millwala	12:25 – 12:35 PM
	• Both Sides of the White Coat — Dr. Sahar Khursheed	12:35 – 12:45 PM
	• Not Just a Diagnosis — Mr. Ishfaq Ahmed	12:45 – 12:55 PM
	• Why I Became a Patient Advocate — Dr. Ahsan Khan	12:55 – 1:05 PM
	• Decode the Disconnect: Expectation Gap Exercise — Ms. Komal Syed	1:05 – 1:30 PM
	• Closing Remarks & Call-to-Action — Ms. Komal Syed	1:30 – 1:45 PM
1:45 PM – 2:45 PM	**Lunch & Prayer Break**	1:45 PM – 2:45 PM
2:45 PM – 3:50 PM	**SESSION 4: INAUGURATION CEREMONY**	65 min (Total)
	Opening Addresses (25 min):	
	• Dr. Shumaila Arooj, Symposium Chair	2:45 – 2:50 PM
	• Dr. Syed Ather Enam, PASNO President	2:50 – 2:55 PM
	• Dr. Khalid Sher, Executive Director, JPMC	2:55 – 3:00 PM
	• Dr. Tariq Mahmood, Professor Emeritus, Radiation Oncology, JPMC	3:00 – 3:05 PM
	• Mr. Mushtaq Chhapra	3:05 – 3:10 PM
	Guest of Honor & Chief Guest (40 min):	
	• Guest of Honor: Murtaza Wahab, Mayor of Karachi	3:10 – 3:30 PM
	• Chief Guest: Syed Murad Ali Shah, Chief Minister of Sindh	3:30 – 3:50 PM
3:50 PM – 4:20 PM	**Tea Break, Networking & Poster Viewing**	3:50 PM – 4:20 PM
4:20 PM – 6:00 PM	**SESSION 5: ABSTRACT SESSION**	4:20 PM – 6:00 PM
	Judging Panel: Prof. Maseeh Uz Zaman, Prof. Shahzad Shamim, Dr. Manzoor Ahmed	
	• Oral Presentations — Rapid Fires	
	• Poster Presentations – Digital LED Display	
	• Closing of Day 1 Sessions	6:00 PM

Parallel Student Session: 11:00AM – 1:00 PM

NeuroTrivia: Decode & Diagnose – Preliminary Round

Organized by the Neuroscience Interest Group (NSIG), AKU, Held concurrently with the Day 1 academic sessions.

SYMPOSIUM PROGRAM — DAY 2

Sunday, October 4, 2026 | Jinnah Postgraduate Medical Centre (JPMC), Karachi

DAY 2: SUNDAY, OCTOBER 4, 2026

TIMING	SESSION DETAILS	TIMING WITHIN SESSION
8:00 AM – 9:00 AM	**Breakfast with Faculty & Networking** (Registration Required)	8:00 AM – 9:00 AM
9:00 AM – 10:00 AM	**SESSION 6: NEUROTRIVIA: DECODE & DIAGNOSE — GRAND FINALE** Interactive Student Session featuring the Top 5 Teams from the Day 1 Preliminary Round. Organized by Neuroscience Interest Group (NSIG), AKU.	9:00 AM – 10:00 AM
10:00 AM – 11:15 AM	**SESSION 7: MEDICAL ONCOLOGY** **Chairs:** Dr. Adnan Jabbar | **Co-Chair:** Dr. Adeeba Zaki	75 min (Total)
	• Low-Grade Glioma: Evolving Evidence, Evolving Practice — Dr. MuhammadTariq	10:00 – 10:15 AM
	• High-Grade Glioma: Current Standards and Emerging Frontiers — Dr. Hira Afridi	10:15 – 10:30 AM
	• Pediatric Neuro-Oncology: Targeted Therapies in Pediatric Glioma — Dr. Naureen Mushtaq	10:30 – 10:45 AM
	• Beyond the Primary: Managing Metastatic Brain & Spinal Tumors — Dr. AmjadZafar	10:45 – 11:00 AM
	• Panel Discussion	11:00 – 11:15 AM
11:15 AM – 11:45 AM	**Tea Break, Networking & Poster Viewing**	11:15 AM – 11:45 AM
11:45 AM – 12:45 PM	**SESSION 8: RADIATION ONCOLOGY** **Chairs:** Dr. Kamran Saeed | **Co-Chair:** Dr. Asim Hafiz	60 min (Total)
	• Modern Radiotherapy for Meningioma: From Histopathology to Molecular Personalization — Dr. Derek S. Tsang	11:45 – 12:00 PM
	• Low-Grade Glioma: Updated Classification and Its Implications on management —Professor Dr Abdul Samad	12:00 – 12:15 PM
	• Outcome of Patients with High-Grade Gliomas: A Single-Institution Study — Dr. Muhammad Farrukh	12:15 – 12:30 PM
	• Global Lessons, Local Realities: Evolution of Brain Metastases Management and Moving from Whole-Brain RT to Stereotactic Approaches in LMICs — Dr. Muneeb Uddin Karim	12:30 – 12:45 PM
12:45 PM – 1:00 PM	**WRAP-UP & CLOSING CEREMONY** Key Highlights, Best Abstract Awards, Trainee Awards, NeuroTrivia Awards & Closing Remarks.	12:45 PM – 1:00 PM

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