

7ANOS

7TH ANNUAL NEURO-ONCOLOGY SYMPOSIUM

NEURO-ONCOLOGY IN THE REAL WORLD
CHALLENGES, INNOVATIONS AND IMPACT

S Y M P O S I U M P R O G R A M



CME ACCREDITED ACTIVITY

10 CME POINTS

BY JSMU

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

Jinnah Postgraduate Medical Centre (JPMC), Karachi



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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

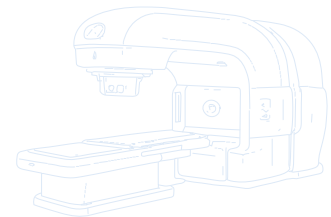
WORKSHOPS OVERVIEW

1. Neuro-Oncology Radiotherapy Workshop

Director: Dr. Asim Hafiz

Thursday, Oct 1 | 2:00 PM – 5:00 PM

Venue: JHS Seminar Room, Aga Khan University

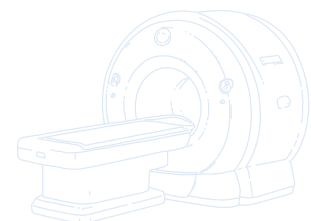


2. Neuro-Radiology Workshop

Director: Prof. Fatima Mubarak

Friday, Oct 2 | 9:00 AM – 1:00 PM

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

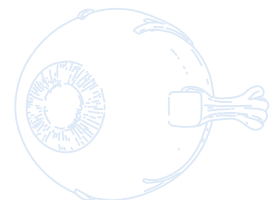


3. Neuro-Ophthalmology Workshop

Director: Dr. Zanib Javed

Friday, Oct 2 | 9:00 AM – 12:00 PM

Venue: ASLS Seminar Room, Aga Khan University



4. Radiosurgery Workshop

Director: Dr. Kamran Saeed

Friday, Oct 2 | 9:00 AM – 12:00 PM

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

Publication Committee Chair

Dr. Fatima Aziz

ORGANIZING COMMITTEE MEMBERS

Logistics, Budget & Finance Committee

Sohail Malik, Shariff Charania

Digital Marketing & Event Committee

Tooba Bukhari, Sonia Ahmed

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 Zaman Akhundzada

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

ASSOCIATE 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
 Shaikat Khanum Memorial Cancer
 Hospital & Research Centre



Dr. Muhammad Furrukh

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

BEHIND THE SCAN

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



Session Overview & Lived Realities

Session Chair: Komal Syed, Founder — BTFPK

Founded by a former caregiver who lost her spouse to Glioblastoma, BTFPK 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 BTFPK, 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.



We recognise and acknowledge the **Neuroscience Interest Group (NSIG)** core team for their extraordinary dedication and dynamic student leadership, whose tireless efforts have brought exceptional energy, engagement, and brilliance to **7ANOS**

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 Invited Talks: • Metastatic Spine Disease in LMICS: Balancing Evidence, Resources, and Patient Outcomes — Dr. Salman Sharif • Enhanced Recovery in Brain Tumor Surgery: From Evidence to Implementation — Dr. Ahsan Khan • Awake Craniotomy in Pakistan: From Challenges to Success — Dr. Naveed Zaman Panel Discussion: Multidisciplinary Management of Brain Tumors (Pakistan Neuro-Oncology Tumor Board) 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	30 min (Total) 9:00 – 9:10 AM 9:10 – 9:20 AM 9:20 – 9:30 AM 60 min: 9:30 – 10:30 AM
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 • KEYNOTE: Advanced Spine Imaging: Tips and Tricks — DR. MAJID KHAN • Clinical Implementation of Active Task BOLD fMRI — Dr. Asim Z. Mian • Brain Tumor Imaging in the Post-WHO 2021 Era: Radiogenomics and Beyond — Dr. Manzoor Ahmed • Language of Neuro-Oncology MRI — Dr. Saad Siddiqui • Audience Q&A & Discussion	90 min (Total) 10:45 – 11:15 AM 11:15 – 11:35 AM 11:35 – 11:55 AM 11:55 – 12:05 PM 12:05 – 12:15 PM



Parallel Student Session:

NeuroTrivia: Decode & Diagnose – Preliminary Round

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

11:00AM – 1:00 PM

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 Theme: Behind the Scan: Living with a Brain Tumor in the Real World Session Chair: Ms. Komal Syed, Founder — BTFPK • 50,000 Families — Ms. Komal Syed • The Day Everything Changed — Mr. Mohammad Millwala • Both Sides of the White Coat — Dr. Sahar Khursheed • Not Just a Diagnosis — Mr. Ishfaq Ahmed • Why I Became a Patient Advocate — Dr. Ahsan Khan • Decode the Disconnect: Expectation Gap Exercise — Ms. Komal Syed • Closing Remarks & Call-to-Action — Ms. Komal Syed	90 min (Total) 12:15 – 12:25 PM 12:25 – 12:35 PM 12:35 – 12:45 PM 12:45 – 12:55 PM 12:55 – 1:05 PM 1:05 – 1:30 PM 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 Opening Addresses (25 min): • Dr. Shumaila Arooj, Symposium Chair • Dr. Syed Ather Enam, PASNO President • Dr. Khalid Sher, Executive Director, JPMC • Dr. Tariq Mahmood, Professor Emeritus, Radiation Oncology, JPMC • Mr. Mushtaq Chhapra Chief Guest & Guest of Honor (40 min): • Chief Guest: Syed Murad Ali Shah, Chief Minister of Sindh • Guest of Honor: Murtaza Wahab, Mayor of Karachi	65 min (Total) 2:45 – 2:50 PM 2:50 – 2:55 PM 2:55 – 3:00 PM 3:00 – 3:05 PM 3:05 – 3:10 PM 3:10 – 3:30 PM 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 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	4:20 PM – 6:00 PM 6:00 PM



Parallel Student Session:

NeuroTrivia: Decode & Diagnose – Preliminary Round

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

11:00AM – 1:00 PM

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 • Low-Grade Glioma: Evolving Evidence, Evolving Practice — Dr. Muhammad Tariq • High-Grade Glioma: Current Standards and Emerging Frontiers — Dr. Hira Afridi • Pediatric Neuro-Oncology: Targeted Therapies in Pediatric Glioma — Dr. Naureen Mushtaq • Beyond the Primary: Managing Metastatic Brain & Spinal Tumors — Dr. Amjad Zafar • Panel Discussion	75 min (Total) 10:00 – 10:15 AM 10:15 – 10:30 AM 10:30 – 10:45 AM 10:45 – 11:00 AM 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 • Modern Radiotherapy for Meningioma: From Histopathology to Molecular Personalization — Dr. Derek S. Tsang • Global Lessons, Local Realities: Evolution of Brain Metastases Management and Moving from Whole-Brain RT to Stereotactic Approaches in LMICs — Dr. Muneeb Uddin Karim • Outcome of Patients with High-Grade Gliomas: A Single-Institution Study — Dr. Muhammad Farrukh	60 min (Total) 11:45 – 12:00 PM 12:00 – 12:15 PM 12:15 – 12:30 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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