



5TH PANS NEUROSURGERY REGIONAL BOOTCAMP



APRIL 11 & 12 - 2026

ANATOMY AND SURGERY LEARNING STUDIO (ASLS)
AGA KHAN UNIVERSITY, KARACHI



DIRECTORS



SAQIB KAMRAN BAKHSHI

ASSITANT PROFESSOR, AGA KHAN UNIVERSITY



HAFIZA FATIMA AZIZ

SENIOR INSTRUCTOR, AGA KHAN UNIVERSITY



SAAD AKHTAR KHAN

ASSISTANT PROFESSOR, LIAQUAT NATIONAL HOSPITAL

CO-DIRECTORS



MUHAMMAD SAMEER

ASSISTANT PROFESSOR
DOW UNIVERSITY OF HEALTH SCIENCES



MUZAFAR ALI BHAND

ASSISTANT PROFESSOR
PEOPLES UNIVERSITY OF MEDICAL &
HEALTH SCIENCES



AURANGZEB KALHORO

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TAHIR SHAHAB

GAMBAT INSTITUTE OF MEDICAL SCIENCES



AMANULLAH KHAN

SENIOR REGISTRAR
LIAQUAT NATIONAL HOSPITAL



BADAR UJJAN

ASSISTANT PROFESSOR, DOW UNIVERSITY
OF HEALTH SCIENCES



FARRUKH JAVED

ASSISTANT PROFESSOR
JINNAH POSTGRADUATE MEDICAL CENTER

HIGHLIGHTS

DIDACTIC LECTURES COVERING

- Soft skills
- Neurological assessment and radiology for head and spine injury
- Management of critical patients on the floor
- Basics of surgical planning

SIMULATION-BASED HANDS-ON TRAINING ON

- Burr holes and craniotomy on 3D printed skulls
- Lumbar drain insertion on mannequins
- Lumbar Laminectomy on saw-bone
- Spinal Dural closure on a locally designed simulation model



BOOTCAMP PROGRAM

DAY ONE; SESSION ONE

SATURDAY, APRIL 11, 2026 | 08:00AM – 10:30AM (PAKISTAN TIME; GMT+5)

Time	Duration	Title	Faculty
08:00am – 08:30am	30 mins	Registration and filling of pre-bootcamp questionnaire	NSIG volunteers
08:30am – 08:50am	20 mins	Expectations from an Ideal Resident	Salman Sharif
08:50am – 09:10am	20 mins	Professionalism	Badar Ujjan
09:10am – 09:40am	30 mins	Emergency Neurosurgery: Management of TBI in the Emergency Department and Surgical Decision-Making	Hafiza Fatima Aziz
09:40am – 10:00am	20 mins	Operative Management for TBI	Farrukh Javed

10:00am – 10:15am	15 mins	Coffee/Tea Break
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DAY ONE; SESSION TWO

SATURDAY, APRIL 11, 2026 | 10:45AM – 13:00PM (PAKISTAN TIME; GMT+5)

Time	Duration	Title	Faculty
10:15am – 10:35am	20 mins	Principles of Cranial Flap Design & Scalp Blood Supply	Altaf Ali Laghari
10:35am – 10:55am	20 mins	Unstable Neurosurgical Patient	Amanullah Khan
11:00am – 11:30am	30 mins	Fundamentals of Cerebral Angiography & Introduction to Neurointervention (Virtual Session)	Syed Sarmad Bukhari
11:30pm – 12:30pm	60 mins	<p style="text-align: center;"><u>Hands-on Training</u></p> <p>External Ventricular Drain (EVD): Principles, Insertion & Troubleshooting</p> <p>Intracranial Pressure (ICP) Monitoring: Insertion, Indications & Interpretation</p> <p>Ventriculoperitoneal (VP) Shunt: Surgical Technique & Key Considerations</p> <p>Shunt Tap & Programmable Valve Adjustment</p> <p>Principles and Clinical Application of Neuro-navigation Systems</p>	<p>Saqib Bakhshi Hafiza Fatima Aziz Muhammad Sameer Aurangzeb Kalhoro Amanullah Khan Muzafar Ali Bhand Farrukh Javeed Tahir Shahab Oswin Godfrey Faizan Saeed Yousuf ul Islam Muneeza Khatri Zanib Javed Noman Ahmed Hafiz Muhammad Saad Abdul Nasir Fauzan Hashmi</p>

12:30pm – 13:15pm	45 mins	Lunch Break
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DAY ONE; SESSION THREE

SATURDAY, APRIL 11, 2026 | 13:45PM – 18:00PM (PAKISTAN TIME; GMT+5)

Time	Duration	Title	Faculty
13:15pm – 17:00pm	225 mins	<p style="text-align: center;"><u>Hands-on Training</u></p> <p>Principles and Application of the Mayfield Head Clamp</p> <p>Simulated Burr Hole Placement & Craniotomy Techniques</p> <p>Operative Microscope Handling and Ergonomics</p> <p>Microdissection Techniques Using Cow Brain Model</p>	<p>Saqib Bakhshi Hafiza Fatima Aziz Muhammad Sameer Aurangzeb Kalhoro Amanullah Khan Muzafar Ali Bhand Farrukh Javeed Tahir Shahab Oswin Godfrey Faizan Saeed Yousuf ul Islam Muneeza Khatri</p>

			Zanib Javed Noman Ahmed Hafiz Muhammad Saad Abdul Nasir Fauzan Hashmi
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DAY TWO; SESSION ONE

SUNDAY, APRIL 12, 2026 | 08:30AM – 10:15AM (PAKISTAN TIME; GMT+5)

Time	Duration	Title	Faculty
08:30am – 08:50am	20 mins	Principles of Cervical Immobilization	Muhammad Sameer
08:50am – 09:20am	30 mins	Applied Anatomy of Spine	Manzar Hussain
09:20am – 09:40am	20 mins	Lateral & Prone Positioning on OR Table	Mohsin Qadeer
09:40am – 10: 20am	40 mins	Emergency Neurosurgery – Cervical and Thoracolumbar Spine Cases; Clinical & Radiological Assessment & Decision Making	Shahzad Shamim

10:20am – 10:40am	20 mins	Coffee/Tea Break	
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DAY TWO; SESSION TWO

SUNDAY, APRIL 12, 2026 | 10:30AM – 13:00PM (PAKISTAN TIME; GMT+5)

Time	Duration	Title	Faculty
10:30pm – 13:30pm	180 mins	<p style="text-align: center;"><u>Hands-on Training</u></p> <p style="text-align: center;">Simulated Lumbar Spine Laminectomy</p> <p style="text-align: center;">Simulated Spine Dural Closure</p> <p style="text-align: center;">Simulated Lumbar Drain Insertion: Principles & Technique</p>	Sajib Bakhshi Hafiza Fatima Aziz Muhammad Sameer Aurangzeb Kalhoro Amanullah Khan Muzafar Ali Bhand Farrukh Javeed Tahir Shahab Oswin Godfrey Faizan Saeed Yousuf ul Islam Muneeza Khatri Zanib Javed Noman Ahmed Hafiz Muhammad Saad Abdul Nasir Fauzan Hashmi

13:30pm – 14:00pm	30 mins	Lunch Break	
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DAY TWO; SESSION THREE

SUNDAY, APRIL 12, 2026 | 13:30PM – 15:30PM (PAKISTAN TIME; GMT+5)

Time	Duration	Title	Faculty
14:00pm – 14:15pm	15 mins	Ethics & Importance of Consent	Lal Rehman
14:15pm – 14:30pm	15 mins	Effective Communication	Atiq Ahmed
14:30pm – 15:00pm	30 mins	Developing a Subspecialty Interest Early in Your Career	Zubair Tahir
15:00pm – 15:20pm	20 mins	Pearls of Wisdom	Syed Ather Enam
15:20pm – 15:25pm	5 mins	Closing Remarks	Sajib Kamran Bakshi
15:25pm – 15:40pm	15 mins	Certificate Distribution and Group Picture	

FACULTY

SALMAN SHARIF	Head of the Department of Neurosurgery, Liaquat National Hospital Head of the Department of Neurosurgery, Liaquat University of Medical & Health Sciences
SYED ATHER ENAM	Professor, Section of Neurosurgery & Chair of Juma Research Labs, Aga Khan University
SHAHZAD SHAMIM	Professor, Section Head of Neurosurgery, Aga Khan University
ALTAF ALI LAGHARI	Assistant Professor, Section of Neurosurgery, Aga Khan University
MANZAR HUSSAIN	Professor, Department of Neurosurgery, Liaquat National Hospital
MOHSIN QADEER	Associate Professor, Jinnah Medical & Dental College
BADAR UJJAN	Assistant Professor, Dow University of Health Sciences
SAAD AKHTAR	Assistant Professor of Neurosurgery, Liaquat National Hospital
SAQIB BAKHSHI	Assistant Professor, Section of Neurosurgery, Aga Khan University
HAFIZA FATIMA AZIZ	Senior Instructor, Section of Neurosurgery, Aga Khan University
YOUSUF UL ISLAM	Consultant Neurosurgeon, Dr. Ziauddin Hospital Karachi
OSWIN GODFREY	Consultant Neurosurgeon, Dr. Ziauddin Hospital Karachi
MUHAMMAD SAMEER	Assistant Professor, Dow University of Health Sciences
AURANGZEB KALHORO	Associate Professor, Liaquat University of Medical & Health Sciences
AMANULLAH KHAN	Senior Registrar, Liaquat National Hospital
FARRUKH JAVEED	Assistant Professor, Jinnah Postgraduate Medical Center
MUZAFAR ALI BHAND	Assistant Professor, Peoples University of Medical & Health Sciences
TAHIR SHAHAB	Consultant Neurosurgeon, Gambat Institute Of Medical Sciences
MUNEEZA	Instructor, Section of Neurosurgery, Aga Khan University
ZANIB JAVED	Fellow, Section of Neurosurgery, Aga Khan University
FAIZAN SAEED	Instructor, Section of Neurosurgery, Aga Khan University
NOMAN	Chief resident, Section of Neurosurgery, Aga Khan University
HAFIZ MUHAMMAD SAAD ABDUL NASIR	Senior Registrar , Karachi Metropolitan University
FAUZAN HASHMI	Consultant Neurosurgeon, Section of Neurosurgery, Aga Khan University



MAKING HANDS-ON SURGICAL TRAINING POSSIBLE THROUGH THE
VALUED SUPPORT OF HILTON PHARMA