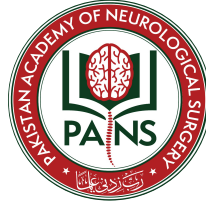


Brain Tumor Surgery Lab Workshop

March 26 & 27, 2022

Organized by



In collaboration with
Technology and Innovation Support Center (TISC)

Collaborating partners

HYPERFINE



Elekta



Organizing Committee



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Brain Tumor Surgery Lab

Saturday and Sunday, March 26-27, 2022

Anatomy & Surgery Learning Studio (ASLS), Aga Khan University, Karachi

Day One: Saturday, March 26, 2022 09:00am – 5:45pm (Pakistan Time; GMT +5)

Time	Duration	Title	Faculty
09:00am – 09:10am	10 mins	Welcome and Introduction	S. Ather Enam
09:10am – 10:00am	50 mins	Live demonstration of portable MRI	Omer Manyá and the team
10:00am – 10:45am	45 mins	Hands-on demonstration: Minimally invasive neuro-oncological surgery	S. Ather Enam
10:45am – 11:15am	30 mins	Interactive clinical cases: Decision making	Altaf Laghari
11:15am – 11:30am	15 mins	Tea break	
11:30am – 12:00pm	30 mins	Hands-on demonstration: Pterional craniotomy	Shahzad Shamim
12:00pm – 12:30pm	30 mins	Hands-on practice	Altaf, Ahsan, Saqib, Waqas
12:30pm – 01:00pm	30 mins	Lunch break	
01:00pm – 01:30pm	30 mins	Endoscopic resection of brain tumors	Aneela Darbar
01:30pm – 02:00pm	30 mins	Hands-on demonstration: Suboccipital craniotomy	Ehsan Bari
02:00pm – 02:15pm	15 mins	Q/A session	
02:15pm – 02:45pm	30 mins	Hands-on demonstration: Neuro-navigation	Saad Akhtar
02:45pm – 03:00pm	15 mins	Tea break	
03:00pm – 03:45pm	45 mins	AR/VR in brain tumor surgery	Jean Walter
03:45pm – 04:00pm	15 mins	Q/A session	
04:00pm – 04:30pm	30 mins	Intra-operative Ultrasound (IOUS) skill development for neurosurgeons	Ali Asgar Moiyadi
04:30pm – 05:30pm	60 mins	Hands-on practice	Altaf, Ahsan, Saqib, Waqas

Brain Tumor Surgery Lab

Saturday and Sunday, March 26-27, 2022

Anatomy & Surgery Learning Studio (ASLS), Aga Khan University, Karachi

Day Two: Sunday, March 27, 2022 09:00am – 05:00pm (Pakistan Time; GMT +5)

Time	Duration	Title	Faculty
09:00am – 09:10am	10 mins	Introduction to TISC	Ahsan Ali Khan
09:10am – 09:40am	30 mins	Demonstration of artificial brain tumor resection	Altaf, Ahsan, Saqib, Waqas
09:40am – 10:40am	60 mins	Hands-on practice	Altaf, Ahsan, Saqib, Waqas
10:40am – 11:00am	20 mins	Tea break	
11:00am – 11:45am	45 mins	Hands-on demonstration: Far lateral approach	Rashid Jooma
11:45am – 12:00pm	15 mins	Q/A session	
12:00pm – 12:30pm	30 mins	Hands-on demonstration: Retro-sigmoid approach	Ahmed Ali Shah
12:30pm – 01:00pm	30 mins	Certificates distribution	Seniour faculty
01:00pm – 01:30pm	30 mins	Lunch break	
01:30pm – 02:00pm	30 mins	Hands-on demonstration: Orbitozygomatic approach	Gohar Javed
02:00pm – 04:00pm	120 mins	Hands-on practice	Altaf, Ahsan, Saqib, Waqas
04:00pm – 04:30pm	30 mins	Cranio-cerebral topography: Application to brain tumor surgery	Fernando Martinez
04:30pm – 04:45pm	15 mins	Q/A session	
04:45pm – 05:pm	15 mins	Closing ceremony	Organizing committee