

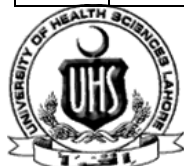


## **UNIVERSITY OF HEALTH SCIENCES, LAHORE**

Agenda of the Meeting of Speciality Advisory Committee in **Neurosurgery** for review of MS synopses to be held on **Thursday, 30<sup>th</sup> May, 2024**, at **10:00 am** in University of Health Sciences, Lahore.

<b>Sr#</b>	<b>Name of Candidate / Session</b>	<b>Supervisor</b>	<b>Date of Submission</b>	<b>Title</b>
1.	Dr. Adnan Akram 2018-19	Dr. Syed Zahid Hussain Shah Associate Professor of Neurosurgery Nishtar Medical University, Multan	08-Mar-24	Comparison of outcome of conservative versus operative management of postoperative lumbar discitis
2.	Dr. Muhammad Qasim 2017	Prof. Akmal Hussain Head Department of Neurosurgery Faisalabad Medical University, Faisalabad	29-Feb-24	Comparison of early versus late ventriculoperitoneal shunt surgery in post-tuberculous meningitis hydrocephalus in pediatrics
3.	Dr. Yasir Hussain Kharal 2019-20	Dr. Shafiq-Ur-Rehman Assistant Professor of Neurosurgery Nawaz Sharif Medical College, Gujrat	26-Feb-24	Comparison of outcomes of open craniotomy vs endoscopic evacuation of intra cerebral hemorrhage at aziz bhatti shaheed teaching hospital gujrat
4.	Dr. Muhammad Usman Nazir 2017-18	Prof. Muhammad Anwar Chaudhry Department of Neurosurgery Postgraduate Medical Institute, Lahore	15-Jan-24	Outcome comparison of subtotal versus gross total resection together with concomitant chemo-radio therapy in methylated or unmethylated glioblastoma in terms of karnofsky performance scale, progression free time and overall survival
5.	Dr. Mahroona Fatima Khalid 2019-2020	Professor Dr. Asif Bashir Professor of Neurosurgery Postgraduate Medical Institute, Lahore.	29-Feb-24	A comparison of outcome regarding facial hemiparesis and hearing impairment in open vs endoscopic microvascular decompression for trigeminal neuralgia
6.	Dr. Ahmad Faez 2019-2020		4-Apr-24	Early functional outcome of neurosurgical clipping versus endovascular coiling for the management of patients with ruptured anterior communicating artery aneurysm
7.	Dr. Ibreeza Fatima (2014)		19-Apr-24	Recurrence of spontaneous CSF Rhinorrhea after endoscopic repair with and without lumber drain
8.	Dr. Birat Thapa Magar 2019-2020	Prof. Hafiz Abdul Majid Professor of Neurosurgery Punjab Institute of Neurosciences, Lahore	22-Jan-24	Comparison between surgical outcomes of craniotomy and craniectomy among patients with posterior fossa lesion

9.	Dr. Muhammad Ovais Zafar 2018-2019	Prof. Syed Shahzad Hussain Shah Professor of Neurosurgery Postgraduate Medical Institute, Lahore	24-Jan-24	Comparison of Surgical Outcomes using titanium cage versus Iliac crest graft for anterior cervical discectomy and fusion
10	Dr. Muneeb Khaliq 2019-2020		24-Jan-24	Comparison of the effect of irrigation fluid temperature on recurrence and outcome in the evacuation of chronic subdural hematoma



## **UNIVERSITY OF HEALTH SCIENCES, LAHORE**

Agenda of the Meeting of Speciality Advisory Committee in **Neurosurgery** for review of MS synopses to be held on **Thursday, 18<sup>th</sup> April, 2024**, at **10:00 am** in University of Health Sciences, Lahore.

Sr#	Name of Candidate / Session	Supervisor	Date of Submission	Title
1.	Dr. Muhammad Ahmad 2017-2018	Professor Dr. Muhammad Anwar Chaudhary Professor of Neurosurgery Postgraduate Medical Institute, Lahore	2-Feb-24	Comparison of outcome of burr hole versus craniotomy for evacuation of spontaneous intracerebral hemorrhage
2.	Dr. Syed Ali Zunair 2015-2016		20-Feb-24	Comparative study of extent of microsurgical resection of brain gliomas using sodium fluorescein guidance vs conventional microsurgical excision
3.	Dr. Salman Mujahid 2017	Professor Syed Shahzad Hussain Shah Professor of Neurosurgery Postgraduate Medical Institute, Lahore.	23-Feb-24	Comparison in terms of recurrence in extradural only versus intradural plus extradural graft in CSF rhinorrhea repair via transcranial approach
4.	Dr. Sadia Sadaat 2017-2018		9-Mar-24	Comparison of clinical outcomes of anterior fusion versus posterior fusion in lower dorsal cervical spine
5.	Dr. Mujahid Hussain 2018-2019	Professor Dr. Asif Bashir Professor of Neurosurgery Postgraduate Medical Institute, Lahore.	11-Mar-24	Comparison of recurrence rate in small versus large chronic subdural hematoma
6.	Dr. Yasir Mukhtar Khan (2014)		19-Jan-24	Comparison of Postoperative outcome in Anterior Cervical fusion with bone graft versus PEEK cage
7.	Dr. Ali Hassan Shah		26-May-23	Postoperative spinal wound infections and postprocedural discitis after laminectomy vs laminotomy and discectomy in lumbar PIVD

	2017			
8.	Dr. Hakeemullah 2019-2020		12-Mar-24	Comparison between posterior lumbar interbody fusion and transforaminal lumbar interbody fusion for the treatment of degenerative lumbar spondylolisthesis
9.	Dr. Muhammad Muzammil Saif 2016-2017	Professor Dr. Aamir Dawood Chairman Department of Neurosurgery Nishtar Medical University, Multan	25-Mar-24	Comparison of radiological outcome of anterior cervical discectomy and fusion using polyetheretherketone cage with plate versus iliac grafting in traumatic subaxial cervical spine injuries
10	Dr. Muzimmal Zulfquar Bhatti 2019-2020	Professor Khalid Mahmood Professor of Neurosurgery, Punjab Institute of Neurosciences, Lahore	9-May-23	Distal versus proximal dissection of sylvian fissure for middle cerebral artery aneurysm
11	Dr. Mustafa Ali Raza	Dr. Shahid Sameja Associate Professor of Neurosurgery Quaid-e-Azam Medical College, Bahawalpur	15-Mar-2024	Comparison of Neurological outcome in Thoracic and lumbar spine tuberculosis treated with Anterior versus posterior decompression and fixation



## UNIVERSITY OF HEALTH SCIENCES, LAHORE

Agenda of the Meeting of Speciality Advisory Committee in **Neurosurgery** for review of MS synopses to be held on **Monday, 12<sup>th</sup> February, 2024**, at **10:00 am** in R&D Centre, University of Health Sciences, Lahore.

Sr#	Name of Candidate / Session	Supervisor	Date of Submission	Title
01	Dr. Ahsan Sarwar 2021-22	Prof. Asif Bashir Head Department of Unit-III Punjab Institute of Neurosciences, Lahore	06-Mar-2023	Extent of resection of giant pituitary adenomas-a comparison between transphenoidal endoscopic and microscopic excision
02	Dr. Iqra 2021-22	Prof. Khalid Mahmood Punjab Institute of Neurosciences, Lahore	01-Nov-2023	Assessing the efficacy of free bone flap and osteoplastic flap techniques in preserving the frontal muscle nerve: A randomized controlled trial
03	Dr. Wishad Waris	Dr. Sohaib Anwer	13-Jul-2023	Comparison between duraplasty versus dura splitting in treatment of arnold chiari malformation

	2021-22			
04	Dr. Khitamul Haq 2021-22	Dr. Syed Zahid Hussain Nishtar Medical University, Multan	13-Mar-2023	Comparison of outcome of kyphoplasty versus vertebroplasty for osteoporotic lumbar vertebral fracture at Nishtar Hospital Multan
05	Dr. Adeel-ur-Rehman 2021-22	Prof. Dr. Muhammad Anwar Chaudhry Punjab Institute of Neurosciences, Lahore	10-Apr-2023	Comparison of functional outcome of excision of temporal high-grade lesions with and without dexcompressive craniectomy
06	Dr. Muhammad Ahsan Abbas (2017-18)	Prof. Nadeem Akhtar Rawalpindi Medical University, Rawalpindi	25-Jul-2023	Comparison of anterior cervical discectomy and fusion (ACDF) using anterior cervical interbody spacer (ACIS) with integrated fixation screws versus anterior cervical discectomy and fusion (ACDF) using anterior cervical plate & screws
07	Dr. Muhammad Mohsin Ali (2018-19)	Prof. Akmal Hussain Professor of Neurosurgery Faisalabad Medical University, Faisalabad	10-Aug-23	Comparison of clinical outcome of bilateral inter-laminar laminotomies versus classic laminectomy in spinal stenosis at L4-L5 in terms of post-operative back pain and neurogenic claudication
08	Dr. Khurram Zafar (2015-16)		19-Jul-23	A comparison of the clinical outcome of decompressive laminectomy versus decompressive laminectomy with transpedicular fixation in patients with single-level lumbar spinal stenosis
09	Dr. Mustafa Ali Raza (2017-18)	Dr. Shahid Sameja Associate Professor of Neurosurgery Quaid-e-Azam Medical College, Bahawalpur	16-Aug-23	Neurological outcome in incomplete thoracolumbar spinal cord injury due to burst fractures treated with anterior instrumentation
10	Dr. Muhammad Raees Anees (2017-18)	Prof. Miraj Us Siraj Nawaz Sharif Medical college, Gujrat	07-Jul-23	Role of outcome of caudal epidural in Non compressive lumbar disc herniation resulting in protracted symptoms
11	Dr. Khawar Anwar (2014-15)	Prof. Asif Bashir Punjab Institute of Neurosciences, Lahore	21-Jun-23	Degree of kyphotic angle correction in short-segment percutaneous transpedicular fixation versus short segment open transpedicular fixation in traumatic thoracolumbar fractures
12	Dr. Syeda Ayesha Hashmi (2018-19)	Prof. Khalid Mahmood Professor of Neurosurgery Punjab Institute of Neurosciences, Lahore	04-Aug-23	A comparison of cosmetics results in term of scar assessment and complications in endoscopic supraorbital eyebrow craniotomy brow vs conventional craniotomy for frontal skull base lesions
13	Dr. Muhammad Usman Khawar (2017-18)	Prof. Muhammad Anwar Chaudhry Professor of Neurosurgery Punjab Institute of Neurosciences, Lahore	09-Aug-23	Comparison of extent of resection of low-grade glioma with CT versus MRI neuro navigation guided excision

14	Dr. Nabil Ashraf Cheema (2014-15)		28-Aug-23	Histopathological diagnostic accuracy of single voxel magnetic resonance spectroscopy in gliomas and tuberculoma
15	Dr. Shaheer Anwar (2017-18)	Prof. Afaq Sarwar Professor of Neurosurgery Shaikh Zayed Postgraduate Medical Institute, Lahore	13-Sep-23	Outcomes of patients with CT-scan based structural intracranial lesions compared to non-structural lesions in mild traumatic brain injury



## **UNIVERSITY OF HEALTH SCIENCES, LAHORE**

Agenda of the Meeting of Speciality Advisory Committee in **Neurosurgery** for review of MS synopses to be held on **Thursday, 07<sup>th</sup> March, 2024**, at **10:00 am** in R&D Centre, University of Health Sciences, Lahore.

Sr#	Name of Candidate / Session	Supervisor	Date of Submission	Title
01	Dr. Muhammad Zeeshan Arif 2018-19	Prof. Dr. Muhammad Anwar Ch. Head of Department Neurosurgery Unit-II	15-Dec-23	Surgical outcome of single level lateral cervical disc herniation surgery by anterior vs posterior approach
02	Dr. Aman Ur Rehman 2017-18	Post Graduate Medical Institute Lahore.	20-Oct-23	Microscopic vs exoscope: Impact of visualization aid on the extent of resection and surgical proficiency in high grade gliomas
03	Dr. Sidra Shabbir 2019-20	Prof. Dr. Nazar Hussain Head of Neurosurgery Department Faisalabad Medical University Faisalabad	19-Oct-23	Comparative study of outcome with lumbar spinal stenosis undergoing bilateral laminotomy by unilateral approach versus laminectomy
04	Dr. Shahar Bano Fatima 2018-19	Prof. Khalid Mahmood Head of Department Post Graduate Medical Institute Lahore.	19-Sep-22	Comparison between endoscopic vs microscopic excision of cerebellopontine angle epidermoid cyst
05	Dr. Ahmar Hasan Baloch 2017	Prof. Syed Shahzad Hussain Shah Head of department Punjab Institute of Neurosciences, Lahore	11-Dec-23	Comparison of functional outcome of excision of temporal high-grade lesions with and without decompressive craniectomy
06	Dr. Faran Bashir 2017-18	Prof. Asif Bashir Head, Dept of Neurosurgery Punjab Institute of Neurosciences, Lahore	1-Nov-23	Benefit of endoscope assisted microvascular decompression for trigeminal neuralgia over microscopic technique in identification of missed offending agent and further improved outcome
07	Dr. Gohar Ali 2018-19	Prof. Dr. Muhammad Anwar Ch.	19-Jun-23	Outcome comparison of subcutaneous preserved autologous bone flaps versus

		Head of Department Neurosurgery Unit- II Punjab Institute of Neurosciences, Lahore		synthetic implants for cranioplasty in terms of implant failure
08	Dr. Mustapha Shesh 2019-20	Prof. Syed Shahzad Hussain Department of Neurosurgery, Punjab Institute of Neurosciences, Lahore	8-Nov-23	Cisternostomy vs decompressive craniectomy for severe traumatic brain injury: Functional outcome comparison using glasgow outcome scale
09	Dr. Manal Khan 2019-20	Prof. Asif Bashir Head, Dept of Neurosurgery Punjab Institute of Neurosciences, Lahore	8-Nov-23	Comparison of neurological outcomes in patients with lateral mass fixation with and without cervical tranction sub axial cervical spine injury
10	Dr. Muhammad Waqas Umer 2018-19	Prof. Asif Bashir Head, Dept of Neurosurgery Punjab Institute of Neurosciences, Lahore	8-Nov-23	Comparison of recurrence of CSF Leak in endoscopic CSF Rhinorrhea repair with fat graft versus fascia lata graft in post-traumatic patients
11	Dr. Abrar Ullah Khan 2013	Prof. Dr. Muhammad Anwar Ch. Head of Department Neurosurgery Unit- II Punjab Institute of Neurosciences, Lahore	12-Dec-23	Outcome of surgical evacuation of small volume of extradural haematoma with underlying contusion operative versus conservative approach
12	Dr. Bakht Ullah 2018-19	Prof. Asif Bashir Head, Dept of Neurosurgery Punjab Institute of Neurosciences, Lahore	19-Oct-23	Comparison of implant dislodgement in anterior fusion using titanium cage with and without plating in single level cervical disc disease
13.	Dr. Syeda Ayesha Hashmi (2018-19)	Prof. Khalid Mahmood Professor of Neurosurgery Punjab Institute of Neurosciences, Lahore	4-Aug-23	A comparison of cosmetics results in term of scar assessment and complications in endoscopic supraorbital eyebrow craniotomy brow vs conventional craniotomy for frontal skull base lesions
14.	Dr. Shaheer Anwar (2017-18)	Prof. Afaq Sarwar Professor of Neurosurgery Shaikh Zayed Postgraduate Medical Institute, Lahore	13-Sep-23	Outcomes of patients with CT-scan based structural intracranial lesions compared to non- structural lesions in mild traumatic brain injury
15.	Dr. Muhammad Mohsin Ali (2018-19)	Prof. Akmal Hussain Professor of Neurosurgery Faisalabad Medical University, Faisalabad	10-Aug-23	Comparison of clinical outcome of bilateral inter-laminar laminotomies versus classic laminectomy in spinal stenosis at L4-L5 in terms of post-operative back pain and neurogenic claudication



## UNIVERSITY OF HEALTH SCIENCES, LAHORE

Agenda of the Meeting of Speciality Advisory Committee in **Neurosurgery** for review of MS synopses to be held on **Thursday, 04<sup>th</sup> July, 2024**, at **09:30 am** in University of Health Sciences, Lahore.

Sr#	Name of Candidate / Session	Supervisor	Date/Number of Submission	Title
1.	Dr. Alamdar Hussain. 2017	Dr. Sayed Zayed Hussain Shah Assistant Professor of Neurosurgery Nishtar Medical University, Multan	4-Apr-24/  02	To compare the efficacy and complications of titanium mesh with autologous bone graft 9in cranioplasty
2.	Dr. Syed Tawangar Hussain Hurr 2017-2018		4-Apr-24/  01	Comparison of outcome of external ventricular drain followed by ventriculosubgaleal shunt and ventriculosubgaleal shunt alone in the treatment of posthemorrhagic hydrocephalus
3.	Dr. Khurram Zafar 2015-2016	Prof. Dr. Muhammad Akmal Hussain Professor of Neurosurgery Faisalabad Medical University, Faisalabad	29-Apr-24/  03	A comparison of clinical outcomes of decompressive laminectomy versus decompressive laminectomy with transpedicular fixation in patients at multi-level lumbar spinal stenosis with modic type 1 changes
4.	Dr. Usama Razaq 2022-23	Dr. Muhammad Asif Associate Professor of Neurosurgery Sahiwal Medical College, Sahiwal	2-May-24/  01	Comparison of the management of chronic subdural hematoma with single versus double burr hole
5.	Dr. Waqar Ahmad 2022-23	Dr. Malik Liaqat Ali Jalal Head of Department of Neurosurgery Nishtar Medical University, Multan	2-May-24/  01	Comparison of surgical in terms of correction of kyphotic angle and functional outcome in tuberculous spondylodiscitic involving thoracic spine (D5-D11) by using anterolateral versus posterior approach
6.	Dr. Saba Waheed 2019-20	Professor Dr. Nazar Hussain Professor of Neurosurgery Faisalabad Medical University, Faisalabad.	2-May-24/  02	Comparison of modified reversed question mark incision vs alterd posterior question mark for decompressive craniectomy
7.	Dr. Abdul Sattar 2021-2	Dr. Shafiq Ur Rehman Jamil Assistant Professor of Neurosurgery Nawaz Sharif Medical College, Gujrat	14-May-24/  01	Outcome of long-segment versus short segment pedicle screw fixation in fractured vertebrae for the management of unstable thoracolumbar burst fractures

8.	Dr. Mujahid Hussain 2018-19	Prof. Dr. Asif Basheer Professor of Neurosurgery Postgraduate Medical College, Lahore	24-May-24/ 03	Recurrence of chronic subdural hematoma after burr hole evacuation with and without middle meningeal artery embolization
9.	Dr. Yasir Mukhtar Khan 2014		31-May-24/ 03	Comparison of postoperative outcome in anterior cervical fusion with bone graft versus peek cage
10.	Dr. Hafiz Muhammad Rumman Qadri 2017	Prof. Khalid Mehmood Professor of Neurosurgery Postgraduate Medical College, Lahore	11-Jun-24 / 02	Comparison of PEEK cage versus titanium cage in single level ACDF in terms of Neurological outcome and bony fusion





# **UNIVERSITY OF HEALTH SCIENCES, LAHORE**

Agenda of the Meeting of **Speciality Advisory Committee in Neurosurgery** for review of MS synopses (**Revised**) to be held on **Tuesday, 4<sup>th</sup> July, 2023**, at **10:00 a.m.** in University of Health Sciences, Lahore.

<b>Sr. No</b>	<b>Name of Candidate / Specialty</b>	<b>Supervisor</b>	<b>Title</b>
1.	Dr. Awais Ur Rehman	<b>Prof. Muhammad Arshad Chaudhry</b> Professor of Neurosurgery Quaid-e-Azam Medical College, Bahawalpur	Efficacy of intra operative epidural steroid in reduction of pain and other early outcomes after lumbar discectomy
2.	Dr. Mustafa Ali Raza	<b>Dr. Shahid Sameja</b> Associate Professor of Neurosurgery Quaid-e-Azam Medical College, Bahawalpur	Neurological outcome in incomplete thoracolumbar spine cord injury treated with anterior instrumentation
3.	Dr. Muhammad Khizer Hayyat	<b>Prof. Amir Dawood</b> Professor of Neurosurgery Nishtar Medical University, Multan	Comparison of outcomes between anterior cervical discectomy & fusion and posterior cervical foraminotomy in treatment of cervical radiculopathy
4.	Dr. Rana Ansar Shahzad	<b>Prof. Fauzia Sajjad</b> Head of Neurosurgery Department Khawaja Muhammad Safdar Medical College, Sialkot	Comparison of functional outcome assessment of acute subdural hematoma evacuation with decompressive craniotomy or without decompressive craniotomy
5.	Dr. Umer Farooq	<b>Prof. Asif Bashir</b> Professor of Neurosurgery Unit-II Punjab Institute of Neurosciences, Lahore	Comparison of visual improvement and complications in trans-cranial versus trans-sphenoidal resection of giant in non-functioning pituitary adenomas
6.	Dr. Habiba Kalsoom		Comparison of anterior versus posterior fixation in traumatic sub-axial cervical spine subluxation in terms of postoperative pain and fusion
7.	Dr. Abrar Ullah Khan	<b>Prof. Muhammad Anwar Chaudhary</b> Professor of Neurosurgery, Lahore	Outcome of surgical evacuation of small amount of extradural haematoma with underlying contusion operative versus conservative approach
8.	Dr. Aman Ur Rehman		Comparison of extend of resection in supratentorial gliomas under microscope vs. exoscope
9.	Dr. Shaheer Anwar	<b>Prof. Muhammad Afaq Sarwar</b> Professor of Neurosurgery, Shaikh Zayed Postgraduate Medical Institute, Lahore	Outcome of patients with structural intracranial lesions compared to non-structural lesions in mild traumatic brain injury



# UNIVERSITY OF HEALTH SCIENCES, LAHORE

Agenda of the Meeting of **Speciality Advisory Committee in Neurosurgery** for review of MS synopses to be held on **Monday, 4<sup>th</sup> July 2022**, at **10:30 a.m.** in University of Health Sciences, Lahore.

Sr. No	Name of Candidate / Specialty	Supervisor	Title
1.	<b>Dr. Noor ul Ain</b>	<b>Prof. Muhammad Anwar Ch.</b> Professor & Head, Department of Neurosurgery Unit-II Punjab Institute of Neurosciences, Lahore	Comparison of outcome of patients with posterior cranial fossa tumor treated with and without preoperative endoscopic third ventriculostomy
2.	<b>Dr. Muhammad Ahmad</b>		Comparison of outcome of burr hole versus craniotomy for evacuation of spontaneous intracerebral hemorrhage
3.	<b>Dr. Muhammad Jahanzeb</b>		A comparison of outcome in open vs percutaneous pedicle screw fixation for single level thoracolumbar spine fracture
4.	<b>Dr. Manal Khan</b>	<b>Prof. Asif Bashir</b> Professor of Neurosurgery Punjab Institute of Neurosciences/ Lahore General hospital, Lahore	Comparison of neurological outcomes in patients with closed reduction plus open fixation versus open reduction plus fixation in subaxial cervical spine injury
5.	<b>Dr. Ibreeza</b>		Recurrence of CSF rhinorrhea after endoscopic repair with and without lumbar drain
6.	<b>Dr. Zohaib Hassan</b>		Early vs late fixation in central cord syndrome secondary to cervical injury
7.	<b>Dr. Sadia Sadaat</b>		Comparison of clinical outcomes of anterior fusion versus posterior fusion in dorsal caries spine
8.	<b>Dr. Muhammad Yasir</b>		Comparison of surgical stabilization with and without pre-operative cervical traction in sub-axial cervical spine injuries
9.	<b>Dr. Habiba Kalsoom</b>		Comparison of anterior versus posterior fixation in traumatic sub-axial cervical spine sUBLUXATION in terms of postoperative pain and fusion
10.	<b>Dr. Salman Mujahid</b>	<b>Prof. Khalid Mahmood</b> Professor of Neurosurgery Punjab Institute of Neurosciences /Lahore General Hospital Lahore	Olfactory preservation in endoscopic vs transcranial repair in CSF rhinorrhea

11.	<b>Dr. Adnan Akram</b>	<b>Prof. Amir Dawood</b> Professor of Neurosurgery Nishtar Medical University/ Nishtar Hospital, Multan	Comparison of outcome of endoscopy versus conventional craniotomy evacuation of spontaneous intracerebral hemorrhage at Nishtar Hospital, Multan
12.	<b>Dr. Alamdar Hussain</b>		Comparison of facial nerve motor function outcome of endoscopic versus open retrosigmoid resection of vestibular schwannoma at a tertiary care hospital



# UNIVERSITY OF HEALTH SCIENCES, LAHORE

Agenda of the Meeting of **Speciality Advisory Committee in Neurosurgery** for review of MS synopses to be held on **Monday, 5<sup>th</sup> June, 2023**, at **10:00 a.m.** in University of Health Sciences, Lahore.

Sr. No	Name of Candidate / Specialty	Supervisor	Title
1.	Dr. Shahzad Muzaffar	<b>Prof. Asif Bashir</b> Head, Department of Neurosurgery Unit III Punjab Institute of Neurosciences, Lahore	Comparison of subsidence and segmental kyphosis in single level ACDF using PEEK cage with and without anterior plating
2.	Dr. Faran Bashir		Benefit of endoscope assisted MVD versus MVD in identification and resolution of missed offending agents with further improved outcome
3.	Dr. Abdul Wajid	<b>Prof. Muhammad Anwar Ch.</b> Professor of Neurosurgery, Unit II Punjab Institute of Neurosciences, Lahore	Comparison of periprocedure early morbidity and mortality rate in clipping versus coiling in anterior communicating artery aneurysm
4.	Dr. Muhammad Usman Nazir		Outcome comparison of subtotal versus gross total resection in high-grade glioblastoma in terms of KPS, progression free time and overall survival
5.	Dr. Shujat		Comparison of success rate of Kocher's versus Frazier's entry site for ventriculoperitoneal shunt insertion in patients with hydrocephalus
6.	Dr. Nabil Ashraf Cheema		Histopathological accuracy of pathological nature of magnetic resonance spectroscopy in brain lesions
7.	Dr. Zubair Mahmood		Role of lumbar drain in transcranial repair of post-traumatic cerebrospinal fluid (CSF) rhinorrhea
8.	Dr. Muhammad Salman Ali Khan	<b>Prof. Muhammad Akmal Hussain</b> Head of Neurosurgery Department Faisalabad Medical University, Faisalabad	Role of Seizure prophylaxis in moderate brain injury patients with diffuse axonal injury: A randomized controlled trial
9.	Dr. Rana Farhan ul Kabeer	<b>Prof. Miraj Us Siraj</b> Former Professor of Neurosurgery Nawaz Sharif Medical College, Gujrat	Comparison of outcome of ultra early vs early operative intervention of traumatic acute subdural hematoma (TASDH) with GCS 8-12



# **UNIVERSITY OF HEALTH SCIENCES,** **LAHORE**

Agenda of the Meeting of Speciality Advisory Committee in Neurosurgery for review of MS synopses to be held on **Tuesday, 6<sup>th</sup> July, 2021** at **10:00 a.m.** in University of Health Sciences, Lahore.

## **AGENDA**

<b>Sr.No</b>	<b>Name of Candidate / Specialty</b>	<b>Supervisor</b>	<b>Title</b>
1.	<b>Dr. Seemal Bukhari</b> M.S. (Neurosurgery)	<b>Prof. Tariq Ahmad</b> Professor of Neurosurgery and Principal Sheikh Zayed Medical College/Sheikh Zayed Hospital, Rahim Yar Khan	Outcome of conservative Vs surgical treatment for spontaneous intracerebral haemorrhage
2.	<b>Dr. Kinza Rafique</b> M.S. (Neurosurgery)	<b>Prof. Akmal Hussain</b> Professor of Neurosurgery Faisalabad Medical University/Allied Hospital Faisalabad	Comparison of decompressive craniotomy and multi-Dural stabs with decompressive craniotomy and open-Dural flap method, in the treatment of acute subdural hematomas
3.	<b>Dr. Rana Anssar Shahzad</b> M.S. (Neurosurgery)	<b>Prof. Manzoor Ahmad</b> Professor of Neurosurgery Khawaja Muhammad Safdar Medical College/ Allama Iqbal Teaching Hospital Sialkot	Comparison of the severity of head injury and associated facial injuries in road traffic accidents with and without using helmet
4.	<b>Dr. Muhammad Umar Faiz</b> M.S. (Neurosurgery)		Use of povidone- iodine for per-operative wound wash at end of procedure for lumbar disc prolapse
5.	<b>Dr. Rana Muhammad Umair Saleem</b> M.S. (Neurosurgery)	<b>Prof. Abdullah Haroon</b> Professor of Neurosurgery Services Institute of Medical Sciences/Services Hospital Lahore	Comparison of clinical outcomes of open Vs minimal invasive transpedicular fixation in thoracolumbar spine
6.	<b>Dr. Sohaib Ashraf</b> M.S. (Neurosurgery)		Comparison of clinical outcome of fusion grafts i.e. iliac crest autograft Vs Polyetheretherketone (PEEK) cage allograft after single level anterior cervical decompression and fusion
7.	<b>Dr. Ch. Arslan Ahmad</b> M.S. (Neurosurgery)	<b>Prof. Asif Bashir</b> Professor of Neurosurgery Punjab Institute of Neurosciences Lahore	Functional outcomes after surgery for acute subdural hematoma: A comparison between decompressive craniectomy Vs craniotomy in post-traumatic patients
8.	<b>Dr. Zulqarnain Akram</b> M.S. (Neurosurgery)		Micro-endoscopic discectomy versus open lumbar discectomy for symptomatic herniated lumbar disc-A randomized controlled trail
9.	<b>Dr. Mohsin Ali Nadir</b> M.S. (Neurosurgery)	<b>Prof. Khalid Mahmood</b> Professor of Neurosurgery Punjab Institute of Neurosciences Lahore	Role of pallidotomy in medically refractory parkinsonian muscular rigidity
10.	<b>Dr. Raheel Younas</b> M.S. (Neurosurgery)	<b>Prof. Muhammad Anwar Ch.</b> Professor of Neurosurgery Punjab Institute of Neurosciences Lahore	Comparison of complications in clipping Vs coiling of anterior circulation aneurysms



# UNIVERSITY OF HEALTH SCIENCES, LAHORE

Agenda of the Meeting of **Speciality Advisory Committee in Neurosurgery** for review of MS synopses to be held on **Tuesday, 7<sup>th</sup> March, 2023**, at **10:00 a.m.** in University of Health Sciences, Lahore.

Sr. No	Name of Candidate / Specialty	Supervisor	Title
1.	<b>Dr. Mujahid Hussain</b>	<b>Prof. Asif Bashir</b> Head, Department of Neurosurgery Unit III Punjab Institute of Neurosciences, Lahore	Recurrence of Chronic subdural hematoma after Burr Hole evacuation with and without middle meningeal artery embolization
2.	<b>Dr. Khawar Anwar</b>		Degree of Kyphotic angle correction in short-segment percutaneous transpedicular fixation versus short segment open transpedicular fixation
3.	<b>Dr. Muhammad Jahanzeb</b>	<b>Prof. Muhammad Anwar Ch.</b> Professor of Neurosurgery, Unit II Punjab Institute of Neurosciences, Lahore	A comparison of outcome in open vs percutaneous pedicle screw fixation for single level thoracolumbar spine fracture
4.	<b>Dr. Muneeb Khaliq</b>	<b>Prof. Khalid Mahmood</b> Head of Neurosurgery Department Unit I Punjab Institute of Neurosciences, Lahore	Surgical vs conservative management of basal ganglia bleed
5.	<b>Dr. Muhammad Arif</b>		Comparison of Anterior Cervical Discectomy and Fusion and Lateral Mass Fixation in subaxial cervical facet dislocation in terms of outcomes and complications
6.	<b>Dr. Mohammad Zubair</b>	<b>Prof. Manzoor Ahmad</b> Head, Department of Neurosurgery Allama Iqbal Medical College, Lahore	Comparison of outcome of traditionally conservatively treated A.3 thoracolumbar fracture versus percutaneous pedicle screw fixation
7.	<b>Dr. Khurram Zafar</b>	<b>Prof. Muhammad Akmal Hussain</b> Head of Neurosurgery Department Faisalabad Medical University, Faisalabad	A comparison of the clinical outcome of decompressive laminectomy versus decompressive laminectomy with transpedicular fixation in patients with single-level lumbar spinal stenosis.
8.	<b>Dr. Hussnain Abid</b>	<b>Dr. Muhammad Sohaib Anwer</b> Head of Neurosurgery Department Sheikh Zayed Medical College, Rahim Yar Khan	Comparison of functional outcomes of anterior versus posterior surgery in tuberculosis spine (D11_____L2)



# UNIVERSITY OF HEALTH SCIENCES, LAHORE

Agenda of the Meeting of Speciality Advisory Committee in Neurosurgery for review of MS synopses to be held on **Wednesday, 20<sup>th</sup> October 2021**, at **10:00 a.m.** in University of Health Sciences, Lahore.

## **AGENDA**

<b>Sr. No</b>	<b>Name of Candidate / Specialty</b>	<b>Supervisor</b>	<b>Title</b>
1.	<b>Dr. Hammad Nasir (Revised)</b>	<b>Prof. Rizwan Masood Butt</b> Professor of Neurosurgery Punjab Institute of Neurosciences, Lahore	Use of polyetheretherketone (PEEK) cage versus titanium cage in anterior cervical discectomy & fusion in cervical disc disease
2.	<b>Dr. M. Salman Ahmed</b>	<b>Prof. Asif Bashir</b> Professor of Neurosurgery Punjab Institute of Neurosciences, Lahore	Outcome of MED vs standard open technique for spinal stenosis
3.	<b>Dr. Salman Ahmed</b>		Comparison of infection rate in bone fragment removal vs. primary bone defect repair with titanium mesh in compound comminuted depressed skull fractures
4.	<b>Dr. Azhar Sattar</b>	<b>Prof. Muhammad Anwar Ch</b> Professor of Neurosurgery Punjab Institute of Neurosciences, Lahore	Comparison between incidence of epilepsy in cerebral contusions with or without surgery
5.	<b>Dr. Nida Gulzar</b>		Comparison of cranioplasty with methyl methacrylate vs titanium mesh
6.	<b>Dr. Mehak Ali</b>	<b>Prof. Abdullah Haroon</b> Professor of Neurosurgery Services Institute of Medical Sciences / Services Hospital, Lahore	Comparison of outcome of cerebral contusion in adults by conservative vs surgical management
7.	<b>Dr. Qurrat ul Ain Yousafi</b>	<b>Prof. Nadeem Akhtar</b> Professor of Neurosurgery Rawalpindi Medical University/Allied Hospital, Rawalpindi	Endoscopic third ventriculostomy success score (ETVSS): A Quasi-experimental trial to predict post-operative outcomes using the ETVSS in Paediatric hydrocephalus
8.	<b>Dr. Ghulam Mustafa</b>	<b>Prof. Muhammad Arshad Chaudhary</b> Professor of Neurosurgery Quaid-e-Azam Medical College/Bahawal Victoria Hospital, Bahawalpur	Comparison of outcome of single versus double burr-hole drainage in chronic subdural hematoma (SDH) patients
9.	<b>Dr. Imran Ali</b>		Comparison of rate of CSF leakage in laminotomy (Fenestration) vs open laminectomy in lumbosacral prolapsed intervertebral disc

10.	<b>Dr. Zeeshan Jamil</b>		Comparison of success rate of endoscopic vs microscopic microvascular decompression in treatment of trigeminal neuralgia
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## **UNIVERSITY OF HEALTH SCIENCES, LAHORE**

Agenda of the Meeting of **Speciality Advisory Committee in Neurosurgery** for review of MS synopses to be held on **Thursday, 8<sup>th</sup> December, 2022**, at **10:00 a.m.** in University of Health Sciences, Lahore.

<b>Sr. No</b>	<b>Name of Candidate / Specialty</b>	<b>Supervisor</b>	<b>Title</b>
1.	<b>Dr. Muhammad Jehanzeb (Revised)</b>	<b>Prof. Asif Bashir</b> Head, Department of Neurosurgery Unit III Punjab Institute of Neurosciences Lahore	Comparative analysis of kyphotic deformity correction and implant failure in thoracolumbar fractures management with percutaneous long-segment pedicle screws fixation versus short-segment pedicle screws fixation with incorporated screws at the level of fracture
2.	<b>Dr. Nasruddin Ansari</b>	<b>Prof. Muhammad Anwar Chaudhary</b> Head, Department of Neurosurgery Unit II Punjab Institute of Neurosciences Lahore	Outcome of comparison of post operative pain and spinal instability following excision of cervical intradural spinal tumors by osteoplastic laminotomy and fixation with miniplates vs conventional laminectomy for more than two vertebral levels.
3.	<b>Dr. Muhammad Ahsan Abbas</b>	<b>Prof. Nadeem Akhtar</b> Professor of Neurosurgery Rawalpindi Medical University Rawalpindi	Comparison of anterior cervical discectomy and fusion (ACDF) using anterior cervical interbody spacer (ACIS) with integrated fixation screws versus anterior cervical discectomy and fusion (ACDF) using anterior cervical plate & screws.
4.	<b>Dr. Tahir</b>	<b>Prof. Muhammad Akmal Hussain</b> Head, Department of Neurosurgery Faisalabad Medical University Faisalabad	Comparison of posterior fossa decompression with and without duraplasty for the surgical treatment of chiari malformation type I in adult patients.
5.	<b>Dr. Quratulain</b>	<b>Prof. Shahzad Hussain</b> Head, Department of Neurosurgery Gujranwala Medical College Gujranwala	Comparison of conservative vs. surgical management of EDH in minor head injury patients.



# UNIVERSITY OF HEALTH SCIENCES, LAHORE

Agenda of the Meeting of Speciality Advisory Committee in Neurosurgery for review of MS synopses to be held on **Wednesday, 9<sup>th</sup> March 2022, at 10:00 a.m.** in University of Health Sciences, Lahore.

## AGENDA

Sr. No	Name of Candidate / Specialty	Supervisor	Title
1.	<b>Dr. Rana Muhammad Umair Saleem</b>	<b>Prof. Abdullah Haroon</b> Professor of Neurosurgery Services Institute of Medical Sciences / Services Hospital, Lahore	Comparison of clinical outcomes of conservative vs minimal invasive transpedicular fixation in neurologically intact thoracolumbar compression fractures
2.	<b>Dr. Sana Tariq</b>	<b>Prof. Muhammad Anwar Ch.</b> Professor of Neurosurgery Punjab Institute of Neurosciences, Lahore	Comparison of outcome of burr hole drainage within 72 hours of ictus versus conservative management of supratentorial intracerebral hemorrhage
3.	<b>Dr. Seemal Bukhari</b>	<b>Prof. Tariq Ahmed</b> Professor of Neurosurgery & Principal Sheikh Zayed Medical College/Sheikh Zayed Hospital, Rahim Yar Khan	To compare the clinical outcome of the post-operative reduction of intraventricular hemorrhage volume using single versus dual catheter drainage in spontaneous intraventricular hemorrhage patients
4.	<b>Dr. Imran Ali</b>	<b>Prof. Muhammad Arshad Chaudhry</b> Professor of Neurosurgery Quaid-e-Azam Medical College/Bahawal Victoria Hospital, Bahawalpur	Comparative assessment of functional outcomes of fenestration and laminectomy among patients suffering from lumbar intervertebral disc prolapse
5.	<b>Dr. Faizan-ud-Din Sheikh</b>	<b>Dr. Syed Zahid Hussain Shah</b> Head, Department of Neurosurgery Nishtar Medical University/Nishtar Hospital, Multan	Comparison of frequency of post-operative persistent hydrocephalus in posterior fossa tumor with preoperative endoscopic third ventriculostomy followed by tumor resection versus the direct resection of tumor
6.	<b>Dr. Khizar Hayat</b>		Neurological outcome in early versus late surgery for thoracolumbar junction traumatic fractures by using polyaxial rods and screws system
7.	<b>Dr. Syeda Zunaira Tanvir Ramzi</b>		Comparison between frequency of volumetric extent of resection on intra axial brain tumor with neuronavigation versus conventional surgical technique
8.	<b>Dr. Waqas Bashir</b>	<b>Prof. Muhammad Anwar Ch.</b> Professor of Neurosurgery Punjab Institute of Neurosciences, Lahore	Comparison of post-operative outcomes in early versus late coiling & clipping in anterior and middle circulation aneurysm

9.	<b>Dr. Nabil Ashraf Cheema</b>		Efficacy of endoscopic third ventriculostomy for obstructive hydrocephalus
10.	<b>Dr. Qurat ul Ain Butt</b>	<b>Prof. Khalid Mahmood</b> Professor of Neurosurgery Unit-I Punjab Institute of Neurosciences /Lahore General Hospital, Lahore	Detection of dural rent during endoscopic endonasal repair with or without fluorescein dye in csf rhinorrhea patients
11.	<b>Dr. Rameez Munir</b>	<b>Prof. Miraj Us Siraj</b> Professor of Neurosurgery Nawaz Sharif Medical College/Aziz Bhatti Shaheed Teaching Hospital, Gujrat	Comparison of outcome of single burr hole with drainage vs double burr with no drain, techniques for chronic subdural hematomas at Aziz Bhatti Shaheed Teaching Hospital, Gujrat



# UNIVERSITY OF HEALTH SCIENCES, LAHORE

Agenda of the Meeting of **Speciality Advisory Committee in Neurosurgery** for review of MS synopses to be held on **Thursday, 11<sup>h</sup> August, 2022**, at **10:30 a.m.** in University of Health Sciences, Lahore.

Sr. No	Name of Candidate / Specialty	Supervisor	Title
1.	<b>Dr. Nida Gulzar (Revised)</b>	<b>Prof. Muhammad Anwar Ch.</b> Professor & Head, Department of Neurosurgery Unit-II, Punjab Institute of Neurosciences, Lahore	Early Implant failure in cranioplasty with methylmethacrylate versus titanium mesh in cranial traumatic defects
2.	<b>Dr. Javed Iqbal</b>		Incidence of iatrogenic dura leak in open laminectomy discectomy vs MIS laminectomy discectomy techniques in PIVD
3.	<b>Dr. Muhammad Jameel (Revised)</b>	<b>Prof. Muhammad Akmal Hussain</b> Head, Department of Neurosurgery Faisalabad Medical University/Allied Hospital, Faisalabad	Efficacy of antibiotic impregnated external ventricular catheters vs standard catheters in external ventricular drain
4.	<b>Dr. Bushra Ishaque (Revised)</b>	<b>Prof. Nadeem Akhtar</b> Head, Department of Neurosurgery Rawalpindi Medical University/Allied Hospitals, Rawalpindi	Comparison of early (within 72hrs) versus delayed surgery (after 72hrs to 7 days) after cervical spinal cord injury
5.	<b>Dr. Faisal Mustafa (Revised)</b>	<b>Dr. Yasir Shahzad</b> Assistant Professor of Neurosurgery Rawalpindi Medical University/Allied Hospitals, Rawalpindi	Effects of epidural bupivacaine alone vs bupivacaine and tramadol in lumbar disc surgeries on clinical outcomes
6.	<b>Dr. Muhammad Numan Zafar (Revised)</b>	<b>Prof. Khalid Mahmood</b> Professor of Neurosurgery & Executive Director, Punjab Institute of Neurosciences/Lahore General Hospital, Lahore	Comparison of patients undergoing thoracolumbar compressed fracture treated with minimal invasive spine surgery vs conservative technique in terms of kyphotic angle early mobilization and back to work
7.	<b>Dr. Mahak Ali (Revised)</b>	<b>Prof. Abdullah Haroon</b> Professor of Neurosurgery Services Institute of Medical Sciences/Services Hospital, Lahore	Comparison of outcome of single cerebral contusion in adults by contusectomy and decompressive craniectomy
8.	<b>Dr. Rana Anssar Shahzad (Revised)</b>	<b>Prof. Fauzia Sajjad</b> Head, Department of Neurosurgery Khawaja Muhammad Safdar Medical College/ Allama Iqbal Teaching Hospital, Sialkot	Assessment of acute subdural hematoma evacuation with decompressive craniotomy or without decompressive craniotomy
9.	<b>Dr. Mohammad Zubair (Absent)</b>	<b>Prof. Manzoor Ahmad</b> Professor of Neurosurgery Allama Iqbal Medical College/Jinnah Hospital, Lahore	Comparison of outcome of traditionally conservatively treated A.3 thoracolumbar fracture versus percutaneous pedicle screw fixation
10.	<b>Dr. Muhammad Nauman Hasan</b>	<b>Prof. Asif Bashir</b> Professor of Neurosurgery, Punjab Institute of Neurosciences/ Lahore General hospital, Lahore	Comparison of anterior cervical decompression and fusion with peek cage plus plate versus zero-profile cage in cervical spondylitis myelopathy in terms of dysphagia and fusion
11.	<b>Dr. Hakeemullah</b>		Comparison between posterior lumbar interbody fusion and transforaminal lumbar interbody fusion for the treatment of degenerative lumbar spondylolisthesis

<b>12.</b>	<b>Dr. Adeel Hassan</b>	<b>Prof. Tariq Ahmad</b> Professor of Neurosurgery and Principal, Sheikh Zayed Medical College/Sheikh Zayed Hospital, Rahim Yar Khan	The study of clinical outcome of minimal invasive spine stabilization in comparison to open conventional approach in thoracolumbar traumatic spine fractures
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# UNIVERSITY OF HEALTH SCIENCES, LAHORE

Agenda of the Meeting of **Speciality Advisory Committee in Neurosurgery** for review of MS synopses to be held on **Thursday, 15<sup>th</sup> September, 2022, at 10:00 a.m.** in University of Health Sciences, Lahore.

Sr. No	Name of Candidate / Specialty	Supervisor	Title
1.	<b>Dr. Rana Mohammad Mohsin (Revised)</b>	<b>Prof. Nadeem Akhtar</b> Head, Department of Neurosurgery Rawalpindi Medical University/Allied Hospitals, Rawalpindi	Comparison of recurrence rate in patients of chronic subdural hematoma treated with double burrhole evacuation alone versus double burrhole evacuation with closed system drainage
2.	<b>Dr. Fahad Qureshi</b>	<b>Prof. Asif Bashir</b> Professor of Neurosurgery, Punjab Institute of Neurosciences/ Lahore General hospital, Lahore	Risk of postoperative recurrence of extradural hematoma with and without tranexamic acid
3.	<b>Dr. Sebghatullah</b>		Frequency of CSF leak after decompressive craniectomy with and without expansion duraplasty in acute subdural hematoma
4.	<b>Dr. Maksalmina Reshtin (Absent)</b>		Extent of resection high-grade glioma with or without fluorescein
5.	<b>Dr. Mohsin Idress</b>	<b>Prof. Muhammad Anwar Ch.</b> Professor & Head, Department of Neurosurgery Unit-II, Punjab Institute of Neurosciences, Lahore	Comparison of surgical outcome of tethered cord syndrome with and without SSEP and MEP monitoring
6.	<b>Dr. Junaid Nawaz</b>		Visual improvement in sellar supra sellar tumor surgery by open C&E vs endoscopic trans sphenoidal approach
7.	<b>Dr. Muhammad Khizer Hayyat</b>	<b>Prof. Amir Dawood</b> Professor of Neurosurgery Nishtar Medical University/ Nishtar Hospital, Multan	Comparison of outcomes between anterior cervical discectomy & fusion and minimally invasive posterior cervical foraminotomy in the treatment of cervical radiculopathy
8.	<b>Dr. Mustafa Ali Raza</b>	<b>Dr. Shahid Sameja</b> Associate Professor of Neurosurgery Quaid-e-Azam Medical College/Bahawal Victoria Hospital Bahawalpur	Comparison of neurological outcome in incomplete thoracolumbar spine injury patients in terms of ASIA grading with anterior versus posterior stabilization by instrumentation
9.	<b>Dr. Zain Ul Aabdin Iqbal</b>	<b>Prof. Muhammad Afaq Sarwar</b> Professor of Neurosurgery Shaikh Zayed Postgraduate Medical Institute/Shaiikh Zayed Hospital, Lahore	Comparison of pain relief in lumbar disc herniation with sensory deficit only in patients with conservative management and surgical intervention
10.	<b>Dr. Aqib Wali Hashmi</b>		Comparing outcome of pain relief between transforaminal steroid injection and pulsed radiofrequency ablation in lumbar radiculopathy



## UNIVERSITY OF HEALTH SCIENCES, LAHORE

Agenda of the Meeting of **Speciality Advisory Committee in Neurosurgery** for review of MS synopses to be held on **Thursday, 16<sup>th</sup> June 2022**, at **10:30 a.m.** in University of Health Sciences, Lahore.

Sr. No	Name of Candidate / Specialty	Supervisor	Title
1.	<b>Dr. Zubair Mahmood (Revised)</b>	<b>Prof. Muhammad Anwar Ch.</b> Professor & Head, Department of Neurosurgery Unit-II Punjab Institute of Neurosciences, Lahore	Comparison of CSF rhinorrhea repair with fluorescein guidance and without fluorescein guidance via trans-cranial approach in post-traumatic patients
2.	<b>Dr. Nida Gulzar (Revised)</b>		Implant failure in cranioplasty with methyl methacrylate versus titanium mesh
3.	<b>Dr. Raheel Younas (Revised)</b>		Early functional outcome in clipping versus coiling of anterior communicating artery aneurysms in terms of Glasgow outcome scale extended
4.	<b>Dr. Muhammad Zeeshan Arif</b>		Clinical outcomes of surgically treated cauda equina syndrome secondary to lumbar disc herniation within 48 hours and after 48 hours
5.	<b>Dr. Ismail Aslam</b>	<b>Prof. Asif Bashir</b> Professor of Neurosurgery Punjab Institute of Neurosciences/ Lahore General hospital, Lahore	Comparison of fusion between 2 level Anterior Cervical Discectomy And Fusion (ACDF) vs Anterior Cervical Corpectomy and Fusion (ACCF) in patients with cervical spondylotic myelopathy
6.	<b>Dr. Muhammad Waqas Umer</b>		Comparison of recurrence of CSF leak in endoscopic CSF rhinorrhea repair with free graft versus vascularized mucosal flap
7.	<b>Dr. Muhammad Naeem Raza</b>		Comparison of anterior fusion methods in single level cervical disc disease: titanium cage with and without plating
8.	<b>Dr. Bakht Ullah</b>		Comparison of implant dislodgement in anterior fusion using titanium cage with and without plating in single level cervical disc disease
9.	<b>Dr. Muhammad Arif</b>	<b>Prof. Khalid Mahmood</b> Professor of Neurosurgery Punjab Institute of Neurosciences /Lahore General Hospital Lahore	Comparison of anterior cervical discectomy and fusion and lateral mass fixation in terms of outcomes and complications
10.	<b>Dr. Mian Aamir Fiaz</b>		Surgical versus conservative management of extradural hematoma in adult population having volume 20-30ml in frontal region

11.	<b>Dr. Awais Ur Rehman</b>	<b>Prof. Muhammad Arshad Chaudhry</b> Professor of Neurosurgery Quaid-e-Azam Medical College/Bahawal Victoria Hospital Bahawalpur	Comparison of CSF leakage in microscopic lumbar discectomy v/s open discectomy
12.	<b>Dr. Muhammad Sajjad</b>		Comparison of fusion in anterior cervical discectomy and fusion with bone graft alone versus bone graft and plate fixation
13.	<b>Dr. Rana Farhan ul Kabeer</b>	<b>Prof. Miraj Us Siraj</b> Professor of Neurosurgery Nawaz Sharif Medical College/ Aziz Bhatti Shaheed Teaching Hospital Gujrat	Comparison of outcome of early vs late operative intervention of traumatic acute subdural hematoma (TASDH) with GCS < 8





## UNIVERSITY OF HEALTH SCIENCES, LAHORE

Agenda of the Meeting of Speciality Advisory Committee in Neurosurgery for review of MS synopses to be held on **Thursday, 16<sup>th</sup> September 2021**, at **10:00 a.m.** in University of Health Sciences, Lahore.

### AGENDA

Sr. No	Name of Candidate / Specialty	Supervisor	Title
1.	<b>Dr. Muhammad Umair</b>	<b>Prof. Abdullah Haroon</b> Professor of Neurosurgery Services Institute of Medical Sciences / Services Hospital, Lahore	Neurological outcome in acute subdural hematoma after conventional craniotomy vs decompressive craniectomy
2.	<b>Dr. Umer Farooq</b>	<b>Prof. Asif Bashir</b> Professor of Neurosurgery Punjab Institute of Neurosciences, Lahore	Trans-cranial vs trans-sphenoidal resection of giant pituitary adenomas
3.	<b>Dr. Aman Ur Rehman</b>	<b>Prof. Muhammad Anwar Ch</b> Professor of Neurosurgery Punjab Institute of Neurosciences, Lahore	Excision of cerebellopontine angle tumor using electrophysiological monitoring for preservation of facial nerve
4.	<b>Dr. Haseeb Ahmad</b>	<b>Prof. Akmal Hussain</b> Professor of Neurosurgery Faisalabad Medical University/Allied Hospital, Faisalabad	Surgical outcome of brain contusions treated by decompressive craniotomy with or without lobectomy at Allied Hospital Faisalabad
5.	<b>Dr. Naseer Ul Haq</b>	<b>Prof. Naveed Ashraf</b> Former Professor of Neurosurgery Allama Iqbal Medical College/Jinnah Hospital, Lahore	Mortality based comparison between intracranial pressure versus intracranial compliance monitored therapy in patients with severe traumatic brain injury
6.	<b>Dr. Sana Tariq</b>	<b>Prof. Rizwan Masood Butt</b> Professor of Neurosurgery Punjab Institute of Neurosciences, Lahore	Early surgical treatment vs conservative management for spontaneous supratentorial intracerebral hematoma
7.	<b>Dr. Muhammad Raees Anees</b>	<b>Prof. Miraj Us Siraj</b> Professor of Neurosurgery Nawaz Sharif Medical College/Aziz Bhatti Shaheed Teaching Hospital, Gujrat	Comparison of outcome of conservative vs surgical management of acute post traumatic subdural hematoma in patients having Glasgow coma score (GCS 3-5) with fixed dilated and non reacting pupils
8.	<b>Dr. Hussnain Abid</b>	<b>Prof. Tariq Ahmed</b> Professor of Neurosurgery & Principal Sheikh Zayed Medical College/Sheikh Zayed Hospital, Rahim Yar Khan	Comparison of functional outcomes of anterior versus posterior surgery in tuberculous spine
9.	<b>Dr. Nauman Rasool</b>	<b>Prof. Aamir Dawood</b> Professor of Neurosurgery Nishtar Medical University/Nishtar Hospital, Multan	Comparison of accuracy between percutaneous transpedicular fixation guided by CT navigation versus fluoroscopy guided placement of screws in patients presenting with thoracolumbar spine fractures at a tertiary care hospital

10.	<b>Dr. Faizan-ud-Din Sheikh</b>		Comparison of efficacy of endoscopic third ventriculostomy in aqueductal stenosis and posterior fossa tumor
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# UNIVERSITY OF HEALTH SCIENCES, LAHORE

Agenda of the Meeting of **Speciality Advisory Committee in Neurosurgery** for review of MS synopses to be held on **Tuesday, 17<sup>th</sup> November, 2022**, at **10:00 a.m.** in University of Health Sciences, Lahore.

Sr. No	Name of Candidate / Specialty	Supervisor	Title
1.	<b>Dr. Awais Ur Rehman</b>	<b>Dr. Shahid Sameja</b> Associate Professor of Neurosurgery Quaid-e-Azam Medical College, Bahawalpur	Comparison of efficacy of intra operative epidural steroid in post operative low back pain in lumbar discectomy
2.	<b>Dr. Mustafa Ali Raza</b>		Neurological Outcome in incomplete thoracolumbar spine injury treated with anterior instrumentation
3.	<b>Dr. Maria Maqsood</b>	<b>Prof. Khalid Mahmood</b> Head, Department of Neurosurgery Punjab Institute of Neurosciences, Lahore	Comparison of efficacy and safety in endoscopic versus stereotactic biopsy in pineal region tumors
4.	<b>Dr. Hafz Muhammad Irfan Razzaq</b>		Comparison of recurrence in chronic subdural hematoma patients treated by burr-hole drainage with and without irrigation
5.	<b>Dr. Muhammad Jehanzeb</b>	<b>Prof. Asif Bashir</b> Head, Department of Neurosurgery, Unit III, Punjab Institute of Neurosciences, Lahore	Comparative analysis of kyphotic deformity correction and implant failure in thoracolumbar fractures management with percutaneous long-segment pedicle screws fixation versus short-segment pedicle screws fixation with incorporated screws at the level of fracture
6.	<b>Dr. Muhammad Nauman Hasan</b>		Comparison of single level anterior cervical decompression and fusion with peek cage plus plate versus zero-profile cage in cervical spondylotic myelopathy in terms of fusion and cage subsidence
7.	<b>Dr. Madikh Hameed</b>		Comparison of infection rate after cranioplasty in posterior question mark incision vs classical reverse question mark incisions in decompressive hemicraniectomies in a quasi-experimental study
8.	<b>Dr. Aman Ur Rehman</b>	<b>Prof. Muhammad Anwar Chaudhary</b> Head, Department Neurosurgery Unit II, Punjab Institute of Neurosciences, Lahore	Excision of cerebellopontine angle tumor using different electric potential stimulation in electrophysiological monitoring for preservation of facial nerve
9.	<b>Dr. Yamna Khalid Siddique</b>	<b>Dr. Zahid Hussain Shah</b> Head of Department, Associate Professor of Neurosurgery, Nishtar Medical University, Multan	Comparison between outcomes of open discectomy under direct vision through fenestration and microscopic discectomy through fenestration for lumbar disc herniation at Nishtar Hospital, Multan
10.	<b>Dr. Syed Junaid Raza</b>	<b>Prof. Nadeem Akhtar</b> Professor of Neurosurgery, Rawalpindi Medical University, Rawalpindi	Comparison of outcome of pedicle screw fixation with or without intermediate screw at fracture level for treatment of thoracolumbar fractures
11.	<b>Dr. Bushra Ishaque</b>		Comparison of early (within 72hrs) versus delayed surgery (after 72 hrs to 7 days) after cervical spinal cord injury



# UNIVERSITY OF HEALTH SCIENCES, LAHORE

Agenda of the Meeting of Speciality Advisory Committee in Neurosurgery for review of MS synopses to be held on **Thursday, 20<sup>th</sup> January, 2022**, at **10:00 a.m.** in University of Health Sciences, Lahore.

## AGENDA

Sr. No	Name of Candidate / Specialty	Supervisor	Title
1.	<b>Dr. Nabeel Ahmad</b>	<b>Prof. Khalid Mahmood</b> Professor and Head of Neurosurgery Punjab Institute of Neurosciences /Lahore General Hospital, Lahore	Outcome of conservative vs endoscopic endonasal surgical management of pituitary apoplexy in patients with pituitary macroadenomas
2.	<b>Dr. Syeda Ayesha Hashmi</b>		A comparison of cosmetics results in endoscopic supraorbital eyebrow craniotomy vs conventional craniotomy for frontal skull base lesions
3.	<b>Dr. Muhammad Nauman Zafar</b>		Comparison of mean post-operative pain in patients undergoing thoracolumbar vertebra fracture treated with minimally invasive percutaneous pedicle screw osteosynthesis vs open surgery
4.	<b>Dr. Muhammad Ovais Zafar</b>		Comparison of surgical outcomes using titanium cage versus iliac crest graft for anterior cervical discectomy and fusion
5.	<b>Dr. Gohar Ali</b>	<b>Prof. Muhammad Anwar Ch</b> Professor of Neurosurgery Punjab Institute of Neurosciences/ Lahore General Hospital Lahore	Comparison of freehand and stereotactic biopsy regarding diagnostic yield in supratentorial brain tumors
6.	<b>Dr. Muhammad Usman Khawar</b>		Outcome of low-grade glioma with or without neuronavigation excision
7.	<b>Dr. Usman Mateen</b>		Frequency of CSF leakage after primary repair of incidental durotomy in lumbar spine surgery with and without use of fibrin glue
8.	<b>Dr. Muhammad Usman Nazir</b>		A comparison of surgical outcomes between percutaneous transpedicular fixation vs open transpedicular fixation for thoracolumbar spine injuries
9.	<b>Dr. Ahsan Raza</b>		A comparative study of the early functional outcome of posterior lumbar interbody fusion (PLIF), and posterolateral fusion (PLF) in the surgical treatment of lumbosacral spondylolisthesis

10.	<b>Dr. Zubair Mahmood</b>		Comparison of CSF rhinorrhea repair by fluorescence guided endoscopic endonasal approach vs trans-cranial approach in post-traumatic patients
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# UNIVERSITY OF HEALTH SCIENCES, LAHORE

Agenda of the Meeting of Speciality Advisory Committee in Neurosurgery for review of MS synopses to be held on **Wednesday, 20<sup>th</sup> October 2021**, at **10:00 a.m.** in University of Health Sciences, Lahore.

## **AGENDA**

<b>Sr. No</b>	<b>Name of Candidate / Specialty</b>	<b>Supervisor</b>	<b>Title</b>
1.	<b>Dr. Hammad Nasir (Revised)</b>	<b>Prof. Rizwan Masood Butt</b> Professor of Neurosurgery Punjab Institute of Neurosciences, Lahore	Use of polyetheretherketone (PEEK) cage versus titanium cage in anterior cervical discectomy & fusion in cervical disc disease
2.	<b>Dr. M. Salman Ahmed</b>	<b>Prof. Asif Bashir</b> Professor of Neurosurgery Punjab Institute of Neurosciences, Lahore	Outcome of MED vs standard open technique for spinal stenosis
3.	<b>Dr. Salman Ahmed</b>		Comparison of infection rate in bone fragment removal vs. primary bone defect repair with titanium mesh in compound comminuted depressed skull fractures
4.	<b>Dr. Azhar Sattar</b>	<b>Prof. Muhammad Anwar Ch</b> Professor of Neurosurgery Punjab Institute of Neurosciences, Lahore	Comparison between incidence of epilepsy in cerebral contusions with or without surgery
5.	<b>Dr. Nida Gulzar</b>		Comparison of cranioplasty with methyl methacrylate vs titanium mesh
6.	<b>Dr. Mehak Ali</b>	<b>Prof. Abdullah Haroon</b> Professor of Neurosurgery Services Institute of Medical Sciences / Services Hospital, Lahore	Comparison of outcome of cerebral contusion in adults by conservative vs surgical management
7.	<b>Dr. Qurrat ul Ain Yousafi</b>	<b>Prof. Nadeem Akhtar</b> Professor of Neurosurgery Rawalpindi Medical University/Allied Hospital, Rawalpindi	Endoscopic third ventriculostomy success score (ETVSS): A Quasi-experimental trial to predict post-operative outcomes using the ETVSS in Paediatric hydrocephalus
8.	<b>Dr. Ghulam Mustafa</b>	<b>Prof. Muhammad Arshad Chaudhary</b> Professor of Neurosurgery Quaid-e-Azam Medical College/Bahawal Victoria Hospital, Bahawalpur	Comparison of outcome of single versus double burr-hole drainage in chronic subdural hematoma (SDH) patients
9.	<b>Dr. Imran Ali</b>		Comparison of rate of CSF leakage in laminotomy (Fenestration) vs open laminectomy in lumbosacral prolapsed intervertebral disc

10.	<b>Dr. Zeeshan Jamil</b>		Comparison of success rate of endoscopic vs microscopic microvascular decompression in treatment of trigeminal neuralgia
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# UNIVERSITY OF HEALTH SCIENCES, LAHORE

Agenda of the Meeting of **Speciality Advisory Committee in Neurosurgery** for review of MS synopses to be held on **Thursday, 20<sup>th</sup> October, 2022**, at **10:00 a.m.** in University of Health Sciences, Lahore.

Sr. No	Name of Candidate / Specialty		Title
1.	<b>Dr. Shaheer Anwar</b>	<b>Prof. Muhammad Afaq Sarwar</b> Professor of Neurosurgery Shaikh Zayed Postgraduate Medical Institute, Lahore	Outcomes of head injury patients with structural intracranial lesions compared to non-structural intracranial lesions
2.	<b>Dr. Muhammad Sajjad (Revised)</b>	<b>Prof. Muhammad Arshad Chaudhary</b> Professor of Neurosurgery Quaid-e-Azam Medical College, Bahawalpur	Comparison of fusion in anterior cervical discectomy and fusion with bone graft alone versus bone graft and plate fixation
3.	<b>Dr. Falak Naqash Ahmad</b>	<b>Prof. Shahzad Hussain</b> Professor of Neurosurgery Gujranwala Medical College Gujranwala	Comparison of micro discectomy vs endoscopic discectomy
4.	<b>Dr. Muhammad Jahanzeb (Revised)</b>	<b>Prof. Muhammad Akmal Hussain</b> Head, Department of Neurosurgery Faisalabad Medical University, Faisalabad	Comparison of outcomes of patients operated for compound calvarial depressed skull fractures reconstruction with titanium mesh vs autologous bone
5.	<b>Dr. Shoaib Iqbal</b>		Comparison of outcome of surgically versus medically managed carpal tunnel syndrome
6.	<b>Dr. Muhammad Mohsin Ali</b>		Comparison of early surgery versus conservative management of back pain due to sciatica
7.	<b>Mahroona Fatima Khalid</b>		A comparison of pain outcome in open vs endoscopic microvascular decompression for trigeminal neuralgia
8.	<b>Dr. Faran Bashir</b>	<b>Prof. Asif Bashir</b> Professor of Neurosurgery, Punjab Institute of Neurosciences, Lahore	Comparison of endoscopic versus open microvascular decompression for trigeminal neuralgia in terms of post-operative pain & headache
9.	<b>Dr. Ahmad Faez</b>		Functional outcome of neurosurgical clipping versus endovascular coiling for the management of patients with ruptured anterior communicating artery aneurysm
10.	<b>Dr. Nida Gulzar (Revised)</b>		Early Implant failure in cranioplasty with methyl methacrylate versus titanium mesh in cranial traumatic defects
11.	<b>Dr. Zubair Mahmood (Revised)</b>	<b>Prof. Muhammad Anwar Ch.</b> Professor & Head, Department of Neurosurgery Unit-II, Punjab Institute of Neurosciences, Lahore	Comparison of cerebrospinal fluid (CSF) rhinorrhea effective surgical repair with and without fluorescein dye through transcranial approach
12.	<b>Dr. Hina Anwer</b>		Post-operative outcome of neuronavigation guided resection of supratentorial high grade gliomas with and without diffusion tensor imaging
13.	<b>Dr. Abdul Wajid</b>		Comparison of morbidity and mortality rate in clipping versus coiling in anterior communicating artery aneurysm





# UNIVERSITY OF HEALTH SCIENCES, LAHORE

Agenda of the Meeting of **Speciality Advisory Committee in Neurosurgery** for review of MS synopses to be held on **Thursday, 21<sup>th</sup> April 2022**, at **10:30 a.m.** in University of Health Sciences, Lahore.

## **AGENDA**

Sr. No	Name of Candidate / Specialty	Supervisor	Title
1.	<b>Dr. Faizan-ud-din Sheikh (Revised)</b>	<b>Dr. Syed Zahid Hussain Shah</b> Head, Department of Neurosurgery Nishtar Medical University/Nishtar Hospital, Multan	To Determine the efficacy of pre-resection endoscopic third ventriculostomy in posterior fossa tumor versus direct resection of tumor in reducing the incidence of posterior fossa tumor versus direct resection of tumor in reducing the incidence of ventriculoperitoneal shunt.
2.	<b>Dr. Rana Mohammad Mohsin (Revised)</b>	<b>Prof. Nadeem Akhtar</b> Professor of Neurosurgery Rawalpindi Medical University/Allied Hospitals, Rawalpindi	Comparison of recurrence rate in patients of chronic Subdural hematoma treated with burr hole evacuation alone vs burr hole evacuation with closed system drainage
3.	<b>Dr. Fahad Pervaiz (revised)</b>	<b>Prof. Muhammad Akmal Hussain</b> Head of Department Neurosurgery Faisalabad Medical University/Allied Hospital Faisalabad	Comparison of Clinical outcome of spontaneous supratentorial intracerebral hemorrhage operated in local anaesthesia and sedation versus general anaesthesia in terms of Glasgow outcome scale
4.	<b>Dr. Muhammad Usman Zafar</b>		Comparative study of open transpedicular fixation versus percutaneous transpedicular fixation in thoracolumbar spinal fractures in terms of stability and hospital stay
5.	<b>Dr. Muhammad Qasim</b>		Outcome comparison of closed skull depressed fracture with or without neurological deficit
6.	<b>Dr. Zain Ali</b>		Mortality and functional outcome in surgically evacuated acute subdural hematoma in elderly patients at Allied Hospital Faisalabad
7.	<b>Dr. Usama Saeed</b>		Comparison between traumatic CSF rhinorrhea surgical vs conservative management



# **UNIVERSITY OF HEALTH SCIENCES, LAHORE**

Agenda of the Meeting of **Speciality Advisory Committee in Neurosurgery** for review of MS synopses to be held on **Wednesday, 25<sup>th</sup> January, 2023**, at **10:00 a.m.** in University of Health Sciences, Lahore.

Sr. No	Name of Candidate / Specialty	Supervisor	Title
1.	<b>Dr. Muhammad Haroon Hafeez (Revised)</b>	<b>Prof. Asif Bashir</b> Head, Department of Neurosurgery Unit III Punjab Institute of Neurosciences Lahore	Comparison of success and outcome in endoscopic third ventriculostomy (ETV) versus ventriculoperitoneal (VP) shunt in tuberculous meningitis hydrocephalus
2.	<b>Dr. Yasir Mukhtar Khan (Revised)</b>		Comparison of postoperative outcome in anterior cervical fusion with bone graft versus peek cage
3.	<b>Dr. Faran Bashir (Revised)</b>		Comparison of identification of missed vascular loops in microscopic microvascular decompression for trigeminal neuralgia with and without endoscopic assistance
4.	<b>Dr. Shujat (Revised)</b>	<b>Prof. Muhammad Anwar Chaudhary</b> Head, Department of Neurosurgery Unit II Punjab Institute of Neurosciences Lahore	Comparison of success rate of frontal versus occipital entry site for ventriculoperitoneal shunt insertion in patient with hydrocephalus
5.	<b>Dr. Hina Anwer (Revised)</b>		Post-operative functional outcome of neuronavigation guided resection of frontoparietal high grade gliomas with and without diffusion tensor imaging
6.	<b>Dr. Zubair Mahmood (Revised)</b>		Role of lumbar drain in transcranial repair of post-traumatic cerebrospinal fluid (CSF) rhinorrhea
7.	<b>Dr. Rana Farhan ul Kabeer (Revised)</b>	<b>Prof. Miraj us Siraj</b> Professor of Neurosurgery Nawaz Sharif Medical College Gujrat	Comparison of outcome of early vs late operative intervention of traumatic acute subdural hematoma (TASDH) with GCS 6-12 at Aziz Bhatti Shaheed Teaching Hospital, Gujrat



## UNIVERSITY OF HEALTH SCIENCES, LAHORE

Agenda of the Meeting of **Speciality Advisory Committee in Neurosurgery** for review of MS synopses to be held on **Thursday, 26<sup>th</sup> May 2022**, at **10:30 a.m.** in University of Health Sciences, Lahore.

Sr. No	Name of Candidate / Specialty	Supervisor	Title
1.	<b>Dr. Sana Tariq (Revised)</b>	<b>Prof. Muhammad Anwar Ch.</b> Professor & Head, Department of Neurosurgery Unit-II Punjab Institute of Neurosciences, Lahore	Comparison of outcome of burr hole drainage within 72 hours versus conservative management of supratentorial intracerebral hemorrhage
2.	<b>Dr. Waqas Bashir (Revised)</b>		Impact of anatomical variations of anterior communicating artery complex on the outcome of clipping of anterior communicating artery aneurysm
3.	<b>Dr. Shujat</b>		Comparison of rate of infection in endoscopic third ventriculostomy versus ventriculoperitoneal shunt in obstructive hydrocephalus
4.	<b>Dr. Abrar Ullah Khan</b>		Outcome of extradural hematoma and its related factors in adults presenting with traumatic brain injury to a tertiary care hospital
5.	<b>Dr. Muhammad Farhan Ejaz</b>		Outcome of fusion with and without plating Polyether Ether Ketone (PEEK) cages in Anterior Cervical Discectomy & Fusion (ACDF) surgery
6.	<b>Dr. Bilal Zahoor</b>	<b>Prof. Asif Bashir</b> Professor of Neurosurgery Punjab Institute of Neurosciences/ Lahore General hospital, Lahore	Comparison of PEEK cage versus bone graft for anterior column reconstruction in patients with caries spine
7.	<b>Dr. Muhammad Haroon Hafeez</b>		Comparison of Endoscopic Third Ventriculostomy (ETV) versus Ventriculoperitoneal (VP) shunt in tuberculous meningitis hydrocephalus
8.	<b>Dr. Shahzad Muzaffar</b>		Choice of graft material for sub-axial cervical disc disease: Comparison between PEEK and titanium cage
9.	<b>Dr. Muhammad Yasir Muhtar Khan</b>		Comparison of postoperative outcome in anterior cervical fusion with autogenic bone graft versus titanium cage

10.	<b>Dr. Muhammad Salman Ali Khan</b>	<b>Prof. Muhammad Akmal Hussain</b> Head of Department Neurosurgery Faisalabad Medical University/Allied Hospital Faisalabad	Correlation of arrival Glasgow Coma Scale (GCS) to outcome of Traumatic Subarachnoid Hemorrhage (TSAH) in terms of Glasgow Outcome Scale (GOS)
11.	<b>Dr. Bushra Ishaque</b>	<b>Prof. Nadeem Akhtar</b> Professor of Neurosurgery Rawalpindi Medical University/Allied Hospitals, Rawalpindi	Comparison of early versus delayed surgery after cervical spinal cord injury
12.	<b>Dr. Faisal Mustafa</b>	<b>Dr. Yasir Shahzad</b> Assistant Professor of Neurosurgery Rawalpindi Medical University/Allied Hospitals, Rawalpindi	Effect of lumbar decompression with epidural bupivacaine and tramadol vs lumbar decompression alone on clinical outcomes