



Government of West Bengal
Institute of Postgraduate Medical Education & Research
Centre of Excellence in Medical Education & Research

Bangur Institute of Neurosciences
Neurosurgery

FACULTY AND MEDICAL OFFICERS

Dr. Subhasis Ghosh	MBBS MS MCh	Professor and Head
Dr. Shahid Iftekhar Siddique	MBBS MS MCh	Associate Professor
Dr. Gitanjali Dutta	MBBS MCh	Associate Professor
Dr. Aniruddha Chatterjee	MBBS MS (Ortho) MCh	Assistant Professor
Dr. Srikrishna Majhi	MBBS MCh	Assistant Professor
Dr. Harish Chandra Gupta	MBBS MS MCh	Assistant Professor
Dr. Shubhamitra Chaudhuri	MBBS MS MCh	Assistant Professor
Dr. Pankaj Shivhare	MBBS MS MCh	Visiting consultant
Dr. Sabyasachi Saha	MBBS MS MCh	Senior Resident
Dr. Alok Nath	MBBS MS MCh	Senior Resident
Dr. Gajendra Singh Sandhu	MBBS MS MCh	Senior Resident
Dr. Md. Shahid Alam	MBBS MS MCh	Senior Resident
Dr. Tamajit Chakraborty	MBBS DNB	Senior Resident
Dr. Anjana Mukherjee	MBBS	Medical Officer
Dr. Shikha Roy	MBBS	Medical Officer
Dr. Arnab Chaudhuri	MBBS	Medical Officer

Postdoctoral Trainees (MCh Residents; 8 per year till 2019 10 residents per year from 2020)

2018-2021 (Degree recipients in 2021)	2019-2022	2020-2023
Dr. Sanjeev Kumar Chhabra Dr. Gajendra Singh Sandhu Dr. Arvind Kumar Agrahari Dr. Dasuklang D'Siar Dr. Firdoos Ahmed Malik Dr. Md. Shahid Alam Dr. Alok Nath	Dr. Rajnish Jaiswal Dr. Partha Ranjan Biswas Dr. Shivam Gour Dr. Priyaranjan Mondal Dr. Sourav Guria Dr. Tathagata Dutta Dr. Arijit Ghosh	Dr. Sanjib Haldar Dr. Deepak Kumar Das Dr. Nitish Agarwal Dr. Mayank Chakraborty Dr. Rajat Dixit Dr. Rajan Singh Dr. Jitesh Middha Dr. Rohit kamlesh Yadav Dr. Maheswar Murmu Dr. Anurup Saha

FACULTY NEWS

Prof. Subhasis Ghosh

Publications

- Sandhu G S, Ghosh S, Chaudhari S et al: Evaluation of early and delayed infarcts following clipping of ruptured intracranial aneurysm: impact on short and medium term outcome using DW MRI. IJSR,2021:10(8)
- Dutta G, Saha S, Disiar D et al; Incidence and management of inadvertent dural injury in lumbar spine surgery: IJMHR,2021:7(7):45-48
- Chatterjee S, D'siar D, Ghosh S, Dutta G, Chaudhari S: Use of Neuronavigation in posterior fossa and pineal region tumour surgery: Technical challenges. Int J Surg Sci 2021;5(1):258-262
- Zero-profile anchored spacer system in the treatment of cervical degenerative disease with a follow up of 1 year- our experience: IJAR; 2021:11(3)
- Non-aneurysmal non-traumatic spontaneous subarachnoid hemorrhage; patient characteristics, clinical outcome based on a single centre experience in 60 patients.
- Spontaneous non aneurysmal non-traumatic subarachnoid hemorrhage ; patient characteristics clinical outcome and prognostic factor in a tertiary care centre of eastern India.
- Post decompressive craniectomy hydrocephalus in TBI patients : a tertiary care centre experience: GJRA ;2021:10(2)
- A prospective longitudinal clinical study of patients admitted with traumatic acute subdural hematoma and underwent decompressive craniectomy with special reference to prognostic factors
- Paediatric posterior fossa tumors: an epidemiological and analytical study at tertiary care centre in eastern India:IJAR;2021,11(4)

Dr. Shahid Iftekhar Sadique

Publications

- A rare case of dorsal spine primitive neuroectodermal tumor (PNET) presenting with features of Pott's spine
- Paediatric posterior fossa tumors: an epidemiological and analytical study at tertiary care centre in eastern India: IJAR,2021:11(4)
- Hazards of Titanium mesh cranioplasty:IJSR;2021,10(6)

Dr. Srikrishna Majhi

Publications

- Post decompressive craniectomy hydrocephalus in TBI patients : a tertiary care centre experience: GJRA ;2021:10(2)

Dr. Gitanjali Dutta

Publications

- Dutta G, Saha S, Disiar D et al; Incidence and management of inadvertent dural injury in lumbar spine surgery: IJMHR,2021:7(7):45-48
- Chatterjee S, D'siar D, Ghosh S, Dutta G, Chaudhari S: Use of Neuronavigation in posterior fossa and pineal region tumor surgery: Technical challenges: Int J Surg Sci 2021;5(1):258-262
- Non-aneurysmal non-traumatic spontaneous subarachnoid hemorrhage; patient characteristics, clinical outcome based on a single centre experience in 60 patients.
- Spontaneous non aneurysmal non-traumatic subarachnoid hemorrhage ; patient characteristics clinical outcome and prognostic factor in a tertiary care centre of eastern India.

Dr. Harish Chandra Gupta

Publications

- A prospective longitudinal clinical study of patients admitted with traumatic acute subdural hematoma and underwent decompressive craniectomy with special reference to prognostic factors

Dr. Subhomitra Chaudhuri

Publications

- Use of Neuronavigation in posterior fossa and pineal region tumor surgery: Technical challenges
- Zero-profile anchored spacer system in the treatment of cervical degenerative disease with a follow up of 1 year- our experience
- Non-aneurysmal non-traumatic spontaneous subarachnoid hemorrhage; patient characteristics, clinical outcome based on a single centre experience in 60 patients.
- Spontaneous non aneurysmal non-traumatic subarachnoid hemorrhage ; patient characteristics clinical outcome and prognostic factor in a tertiary care centre of eastern India.

Dr. Sabyasachi Saha

Publications

- Dutta G, Saha S, Disiar D et al; Incidence and management of inadvertent dural injury in lumbar spine surgery: IJMHR,2021:7(7):45-48
- Saha S, Chatterjee S, Ghosh S; et al. Pediatric head injury in tertiary care neurosurgery facility of eastern india: a prospective study; accepted for publication.
- Saha S, Chatterjee S, Ghosh S: complications of ventriculoperitoneal shunt in a tertiary care centre of eastern India: a retrospective institutional experience; accepted for publication

Dr. Gajendra Singh Sandhu

Publications

- Sandhu G S, Ghosh S, Chaudhari S et al: Evaluation of early and delayed infarcts following clipping of ruptured intracranial aneurysm: impact on short and medium term outcome using DW MRI. IJSR,2021:10(8)

Dr Alok Nath

Publications

- Zero-profile anchored spacer system in the treatment of cervical degenerative disease with a follow up of 1 year- our experience

Dr. Md Shahid Alam

Publications

- Paediatric posterior fossa tumors: an epidemiological and analytical study at tertiary care centre in eastern India: IJAR,2021:11(4)
- Hazards of Titanium mesh cranioplasty: IJSR;2021,10(6)

ACADEMIC ACTIVITY

- Journal Club (Mondays 8:30 am to 9:30 am)
- Neuroradiology Seminar (Thursdays 8:30 am to 9:30 am)
- Clinical Meeting (Saturdays 8:30 am to 10:30 am)
- Seminars with 3 presenters, one of each year (3rd and 4th Saturdays 2 pm onwards)
- Monthly Audit and Mortality Statistical Review (1st Saturday 2 pm onwards)
- Operative Neurosurgery Meet (3rd Saturday 8:30 am to 9:30 am)

Research activity

Dr. Sanjeev Kumar Chhabra

Publications

- Clinical study of traumatic subarachnoid hemorrhage and its management: an institution based prospective study.
- A prospective longitudinal clinical study of patients admitted with traumatic acute subdural hematoma and underwent decompressive craniectomy with special reference to prognostic factors
- A case series of psychiatric manifestations as the presenting complaint in corpus callosal glioma: rational approach, appropriate referral and collaborative management.
- Post decompressive craniectomy hydrocephalus in TBI patients : a tertiary care centre experience

Dr. Dasuk Lang Roy D'siar

Publications

- Use of Neuronavigation in posterior fossa and pineal region tumor surgery: Technical challenges
- A rare case of dorsal spine primitive neuroectodermal tumor (PNET) presenting with features of Pott's spine
- Dutta G, Saha S, Disiar D et al; Incidence and management of inadvertent dural injury in lumbar spine surgery: IJMHR,2021:7(7):45-48

Dr. Arvind Kumar Agrahari

Publications

- Non-aneurysmal non-traumatic spontaneous subarachnoid hemorrhage; patient characteristics, clinical outcome based on a single centre experience in 60 patients.
- Spontaneous non aneurysmal non-traumatic subarachnoid hemorrhage ; patient characteristics clinical outcome and prognostic factor in a tertiary care centre of eastern India.

3rd Year PDT Thesis topics

PDT	Guide / Co-Guide	Topic
Dr. Shivam Gour	Dr. Subhasis Ghosh Dr. Subhamitra Chaudhuri	Treatment outcome in non-diffuse traumatic brain injury requiring decompressive craniectomy admitted in level I trauma care centre in eastern India: a prospective study.
Dr. Partha Ranjan Biswas	Dr. Subhasis Ghosh Dr. Subhamitra Chaudhuri	Impact of diffuse traumatic brain injury on survival and quality of life: a prospective study from a level I trauma care centre in eastern India.
Dr. Rajnish Kumar Jaiswal	Dr. Subhasis Ghosh Dr. Subhamitra Chaudhuri	A prospective study of outcome and quality of life of spinal cord injury patients presenting to a level-I tertiary trauma care centre in eastern India: a prospective study.
Dr. Arijit Ghosh	Dr. Subhasis Ghosh Dr. Subhamitra Chaudhuri Dr. Mou Das	Prospective observational study of intracranial and spinal ependymomas with special reference to immunohistochemical markers in relation to short term prognosis.
Dr. Tathagata Datta	Dr. S. I. Siddique Dr. Subhamitra Chaudhuri	Measurement of optic nerves sheath diameter as a non-invasive tool for monitoring of intracranial pressure during pre-operative, intra-operative and post-operative period in patients with supratentorial intracranial space occupying lesions.
Dr. Priya Ranjan Mandal	Dr. Gitanjali Dutta Dr. Subhamitra Chaudhuri	Aspiration and intracavitary catheter installation of recombinant tissue plasminogen activator (rTPA) in basal ganglia hemorrhage: a prospective study.
Dr. Sourabh Guria	Dr. S.I. Siddique Dr. Subhamitra Chaudhuri	A prospective study of external ventriculostomy and intraventricular instillation of recombinant tissue plasminogen activator for management of spontaneous intraventricular hemorrhage.

2nd year PDT thesis topics

PDT	Guide / Co-Guide	Topic
Dr. Sanjib Halder	Dr. Subhasis Ghosh Dr. Subhamitra Chaudhuri Dr. Uttara Chatterjee	Clinico-pathological prospective observational study of pediatric intracranial and spinal astrocytic tumors with special reference to the role of BRAF- V600 E mutation and IDH 1 mutation.
Dr. Deepak Kumar Das	Dr. Gitanjali Dutta Dr. Harish Chandra Gupta	A prospective observational study of clinical outcome of operated patients of intradural extramedullary lesion (SOL) in a tertiary care centre.
Dr. Nitish Agarwal	Dr. Subhasis Ghosh Dr. Subhamitra Chaudhuri	A prospective observational study of the role of intraoperative microsurgical cisternostomy in traumatic brain injury patients undergoing decompressive surgery.

Dr. Mayank Chakraborty	Dr. Subhasis Ghosh Dr. Subhamitra Chaudhuri	A prospective observational study of the use of intraoperative dye based video angiography in microsurgical management of intracranial vascular pathologies.
Dr. Rajan Singh	Dr. Subhasis Ghosh Dr. Harish Chandra Gupta	A prospective observational study of benefits and limitations of endoscopic assisted microneurosurgery in brain tumors in a tertiary care center of eastern India.
Dr. Maheswar Murmu	Dr. S. I. Sadique	A comparative study in use of Duragen (collagen matrix) and pericranial graft in cases of cranial dural defect repair.
Dr. Rajat Dixit	Dr. S. I. Sadique Dr. Harish Chandra Gupta	Comparison of surgical outcomes of cervical artificial disc to anterior cervical discectomy and fusion in the treatment of symptomatic degenerative disc disease in cervical spine- a prospective clinical study in a tertiary care centre in eastern India.
Dr. Jitesh Middha	Dr. Subhasis Ghosh Dr. Subhamitra Chaudhuri	Prospective observational study of different modalities of posterior cranio-cervical or atlanto-axial fusion in patients with cranio-vertebral junction anomalies.
Dr. Rohit Kamlesh Yadav	Dr. Subhasis Ghosh Dr. Subhamitra Chaudhuri	Prospective observational study of use of intraoperative microscopic fluorescence-based visualization in microsurgical excision of intracranial and spinal intra-axial neoplasm.
Dr. Anurup Saha	Dr. S. I. Sadique	Prospective observational study on endoscopic third ventriculostomy vs ventriculo-peritoneal shunt in patients of non-communicating hydrocephalus in eastern India.

Ongoing research projects

- Trauma Audit Filter Trial (TAFT) – a 5 Year (2016-2021) prospective Analysis of Trauma Audit Modifiers – PI Prof. Subhasis Ghosh and Prof. M. L Saha; Co Investigator Dr. Shubhamitra Chaudhuri (In Collaboration With Karolinska Institute Sweden) Conducted by the Swedish Research Council.
- TTRIS - Trauma Triage Study - In Collaboration With Karolinska Institute Sweden – PI Prof. Subhasis Ghosh and Prof. M. L. Saha; Co Investigator Dr. Shubhamitra Chaudhuri.

SERVICE INFORMATION

Services provided

- Neurosurgery OPD Monday to Saturday every week at BIN (currently running at CI Block Premises)
- Neurosurgery OT 1 and 2 Monday to Saturday at BIN
- Daily Neurosurgery Elective as well as emergency OT at SSKM Main TCC OT Complex
- 24x7x365 BIN Emergency and Emergency Admission Services at Level 1 Trauma care center / NCB / Alex / CCU
- Round the clock Emergency Operations at TCC OT Complex

Services Summary (01/12/2020 to 30/11/2021)

OPD attendance	63317
Admissions in BIN	1330
Major operations in BIN	1615
Minor operations in BIN	735
Diagnostic DSA in BIN	90
Endovascular neurointerventions (Aneurysm coiling / AVM embolization) in BIN	25
Total operations in BIN (major + minor + diagnostic DSA + Endovascular intervention)	2465
Admissions in SSKM hospital (NCB, Alex, Alex Extn, CCU)	1068
Operations SSKM hospital – Emergency OT	994
Operations SSKM hospital – Main OT (spine cases of NCB done at TCC OT)	131
Total operations SSKM hospital	1125
Trauma care center admission	3197
Trauma care center emergency cranial cases	907
Trauma care center emergency spine cases	114

Total admissions neurosurgery department BIN and SSKM Hospital	5595
Total operations neurosurgery department BIN and SSKM hospital	4611
