

Bangur Institute of Neurosciences – Neurosurgery

Faculty and Medical Officers

Dr. Samarendra Nath Ghosh MBBS, Dip BMS, D Ortho, MS, DNB, Mch	Professor & HOD
Dr. Anup Kumar Chowdhury MBBS, MS, MCh	Professor
Dr. Subhasish Ghosh MBBS, MS, MCh	Professor
Dr. Amar Chandra Dhal MBBS, MS, MCh	Associate Professor
Dr. Dibyendu Kumar Roy MBBS, MS, MCh	Assistant Professor
Dr. Tapan Kumar Patra MBBS, MS, MCh	Assistant Professor
Dr. Shahid Iftekhar Siddique MBBS, MS, MCh	Assistant Professor
Dr. Srikrishna Majhi MBBS, MS, MCh	Assistant Professor
Dr. Gitanjali Dutta MBBS, MS, MCh	Assistant Professor
Dr. Moloy Kumar Das MBBS	Medical Officer
Dr. Anjana Mukherjee MBBS	Medical Officer
Dr. Shikha Roy MBBS	Medical Officer

FACULTY NEWS

Prof Samarendra Nath Ghosh

Conferences attended

- Attended NSSI 2016 as Invited Speaker/Panelist/Chairperson at Sher I Kashmir Institute of Medical Sciences, Srinagar, J&K, on 31/03/2016 to 02/04/2016.
- Attended SkullBaseCon 2015 at Bangalore 10th and 11th October 2015 as Invited Speaker/Panelist/Chairperson
- Attended 6th Interim meeting Of World Federation of Neurological Surgeons at Mumbai from June 4-5 2016 at Mumbai
- Attended Spine 2016, annual conference of NSSA India from 16 to 18 September 2016 as Invited Speaker/Panelist/Chairperson
- Attended ASIAN AUSTRALASIAN SOCIETY OF PEDIATRIC NEUROSURGEONS CONFERENCE Workshop in Kolkata 7-9 January 2016 as Invited Speaker/Panelist/Chairperson

Publications

- Roy N, Gerdin M, Ghosh SN, Gupta A, Saha ML, Khajanchi M, Dharap SB, Mohd Ismail D, von Schreeb J. The Chennai consensus on in-hospital trauma care for India. *J Emerg Trauma Shock*. 2016 Apr-Jun;9(2):90-2. doi: 10.4103/0974-2700.179460. PubMed PMID: 27162445; PubMed Central PMCID: PMC4843576
- Gerdin M, Roy N, Felländer-Tsai L, Tomson G, von Schreeb J, Petzold M; Towards Improved Trauma Care Outcomes in India (TITCO) Consortium., Gupta A, Jhakal A, Basak D, Mohamed Ismail D, Yabo D, Jegadeesan K, Kamble J, Saha ML, Nitnaware M, Khajanchi M, Jothi R, Ghosh SN, Bhoi S, Mahindrakar S, Dharap S, Rao S, Kamal V, Kumar V, Tirlotkar S. Traumatic transfers: calibration is adversely affected when prediction models are transferred between trauma care contexts in India and the United States. *J ClinEpidemiol*. 2016 Jun;74:177-86. doi: 10.1016/j.jclinepi.2016.01.004. PubMed PMID: 26775627
- Kumar B, Bannerjee C, Ghosh SN; Pneumocephalus Following dorsal laminectomy - An Unusual Complication; *AJNS* (174)16
- Ghosh K, Ghosh, SN, Chatterjee U, Chaudhuri S., Ghosh A; Microglial Contribution To Glioma Progression: An Immunohistochemical Study from Eastern India; *Asian Pac J Cancer Prev*, 2016, 17(6), 2767-2773.
- Ghosh S, Chaudhuri S. Bangur Institute of Neurosciences: A premier neurosciences institute of Eastern India. *Neurol India* 2016;64:513-23

- Ghosh SN, Kesharwani A, Chaudhuri S, Ghosh D, Sengupta A. Rhinoscleroma with intracranial extension: A rare case. *Neurol India* 2016;64:549-52
- Nikhil Talathi, SaraniNath, Sarnava Roy, AninditaJoardar, Shubhamitra Chaudhuri, GoutamGangopadhyay and SamarendraNath Ghosh. (2016); Role of ApoE allele in recovery from traumatic brain injury: study in a tertiary clinic IN KOLKATA. *Int. J. of Adv. Res.* 4 (11). 1780-1786] (ISSN 2320-5407)

Prof Subhasis Ghosh

- Publication: Kumar B, Kumar H, Ghosh S; Intracranial plasmacytomas mimicking epidural hematomas and revealed by head trauma; *AJNS_180_14*.

Dr. Tapan Kumar Patra

- Attended NSSI 2016 as Delegate at Sher I Kashmir Institute of Medical Sciences, Srinagar, J&K, on 31/03/2016 to 02/04/2016.
- Attended Spine 2016, annual conference of NSSA India from 16 to 18 September 2016 as Invited Speaker/Panelist/Chairperson.

Dr. Amar Chandra Dhal

- Attended NSSI 2016 as Delegate at Sher I Kashmir Institute of Medical Sciences, Srinagar, J&K, on 31/03/2016 to 02/04/2016.

Dr. Shahid Iftekhar Sadique

- Attended NSSI 2016 as Delegate at Sher I Kashmir Institute of Medical Sciences, Srinagar, J&K, on 31/03/2016 to 02/04/2016.

Dr. Srikrishna Majhi

- Attended NSSI 2016 as Delegate at Sher I Kashmir Institute of Medical Sciences, Srinagar, J&K, on 31/03/2016 to 02/04/2016.

Dr. Gitanjali Dutta

- Attended Spine 2016, annual conference of NSSA India from 16 to 18 September 2016 as delegate.

POSTDOCTORAL TRAINNESS (MCH RESIDENTS)

3rd year	2nd year	1st year
Dr. Pallav Agarwal Dr. Abhishek Singh Dr. Ritesh Nawkhare Dr. Shubhamitra Chaudhuri Dr. Aditya Mantry Dr. Maruti Pujari	Dr. Abhishek Singh Dr. Lokesh Mahajan Dr. Sorabh Gupta Dr. Shafi Ahmed Rizvi Dr. Ajay Kumar Dr. Krishnendu Sardar Dr. Shreevijay Phadke Dr. Anoop Varma	Dr. Sandeep Yadav Dr. Rajyalaxmi Edupuganti Dr. Harin Modi Dr. Uttareshwar Honrao Dr. Rahul Ahluwalia Dr. Sanjeev Srivastava Dr. Pranjal Pandey

ACADEMIC ACTIVITIES

- Journal Club (Mondays 8:30am to 9:30am)
- Combined Clinical Meeting (Wednesdays 8:30am to 10:30am)
- Neuroradiology Seminar (Thursdays 8:30am to 9:30am)
- Clinical Meeting (Saturdays 8:30am to 10:30am)
- Seminars with 3 Presenters, one PDT of each year (3rd and 4th Saturdays 2 pm onwards)

- Monthly Audit and Mortality Statistical Review (1st Saturday 2pm onwards)

Ongoing Research Projects

- TITCO: A multicenter observational study Towards Improving Trauma Care Outcomes, comprising Departments of Neurosurgery and General Surgery. PI: Prof Samarendranath Ghosh and Prof Makhan Lal Saha. Funded by Karolinska Institutet Sweden.
- Study on Apo E4 Allele in Mild To Moderate Head Injury, a WBDST-FIST Funded Project. PI: Prof Samarendranath Ghosh and Dr. Anindita Joarder
- Canonical Hedgehog Signaling Pathway Is Active In GBM With No Prognostic Correlation In Patients Under Standard Clinical Care. Completed Project awaiting Publication. PI: Prof Samarendranath Ghosh, Prof Subhasis Ghosh and others
- Significance of IDH Expression in Gliomas, a WB DBT Funded Project. PI: Prof Samarendranath Ghosh and Prof Uttara Chatterjee.

3rd Year PDT Thesis Topics

- Dr Pallav Agrawal – Biochemical and psychological factors influencing outcomes in patients with subarachnoid hemorrhage, a prospective study.
- Dr Abhishek Singh – CSF flow velocity at foramen magnum level in adult Chiari 1 Malformation Patients.
- Dr Ritesh Nawkhare – Prospective study of traumatic basal ganglial hemorrhage in pediatric population.
- Dr Shubhamitra Chaudhuri - An observational study of pre and post shunt pituitary function in paediatric patients with hydrocephalus.
- Dr Aditya Mantry – Optic nerve sheath diameter monitoring for assessment of outcome in adults with increased intracranial pressure admitted in neurosurgical intensive care units.
- Dr Maruti Pujeri – Lateral mass fixation in subaxial cervical spondylosis.

2nd Year PDT Thesis Topics

- Dr. Abhishek Singh – A prospective study of clinical outcome of CSF rhinorrhea in a tertiary care centre in Eastern India.
- Dr. Lokesh Mahajan – Intraoperative monitoring of motor evoked potentials in spinal cord tumor surgery.
- Dr. Sorabh Gupta – Intraoperative Neuromonitoring In Posterior Fossa Lesions.
- Dr. Shafi Ahmed Rizvi – Neuronavigation For Supratentorial Brain Tumours.
- Dr Ajay Kumar – A clinical study of different junctional injuries of spine with special emphasis on dorsolumbar junction – an institutional study.
- Dr. Krishnendu Sardar – Clinico-radiological study of single level lumbar disc disease
- Dr. Shreevijay Phadke – Craniosynostosis: an institutional study.
- Dr. Anoop Varma – The evaluation of cranioplasty in posttraumatic craniectomy defect – a prospective study.

Conferences attended and papers published/presented by PDTs

Dr. Shubhamitra Chaudhuri

- Attended Spine 2016, annual conference of NSSA India from 16 to 18 September 2016 – presented paper titled “An Epidemiological Analysis Of Patients With Spinal Injuries Presenting To A Tertiary Care Hospital In Eastern India” – won 2nd prize in award paper session
- Attended ASIAN AUSTRALASIAN SOCIETY OF PEDIATRIC NEUROSURGEONS CONFERENCE Workshop in Kolkata 7-9 January 2016 as delegate
- Attended CONCORD 2015 – annual conference of spinal cord society of West Bengal – presented paper titled “Epidemiological and Mortality Analysis of Spinal Injuries in Eastern India” – won 1st prize in award paper session.
- Attended CONCORD 2016 annual conference of spinal cord society of West Bengal –as delegate

Publications

- Ghosh S, Chaudhuri S. Bangur Institute of Neurosciences: A premier neurosciences institute of Eastern India. *Neurol India* 2016;64:513-23
- Ghosh SN, Kesharwani A, Chaudhuri S, Ghosh D, Sengupta A. Rhinoscleroma with intracranial extension: A rare case. *Neurol India* 2016;64:549-52

- Nikhil Talathi, SaraniNath, Sarnava Roy, AninditaJoardar, Shubhamitra Chaudhuri, GoutamGangopadhyay and SamarendraNath Ghosh. (2016); Role of ApoE allele in recovery from traumatic brain injury: study in a tertiary clinic in KOLKATA. Int. J. of Adv. Res. 4 (11). 1780-1786] (ISSN 2320-5407)

Dr. Pallav Agrawal

- Attended SkullBaseCon 8-11 September Jaipur 2016 as delegate/presenter of poster titled “Endoscopic Assisted Removal of Sphenoid Wing Meningioma”
- Attended 10th Neurological Society of India Instructional Course in Mumbai 6-7 Aug 2016
- DrRiteshNawkhare
- Attended SkullBaseCon 8-11 September Jaipur 2016 as delegate/presenter
- Attended Spine 2016, annual conference of NSSA India from 16 to 18 September 2016 as delegate
- Attended National Phase of Torrent Young Scholar Award in Neurosurgery 2016
- Attended 10th Neurological Society of India Instructional Course in Mumbai 6-7 Aug 2016

Dr. Maruti Pujari

- Attended CONCORD 2016 – presented paper titled “Lateral Mass Screw Fixation in Subaxial Cervical Spine” – won best paper award.
- Dr Aditya Mantry
- Attended Spine 2016, annual conference of NSSA India from 16 to 18 September 2016 as delegate
- Attended ASIAN AUSTRALASIAN SOCIETY OF PEDIATRIC NEUROSURGEONS CONFERENCE Workshop in Kolkata 7-9 January 2016 as delegate

Dr. Abhishek Kumar

- Attended NSSI 2016 at Sher I Kashmir Institute of Medical Sciences, Srinagar, J&K, on 31/03/2016 to 02/04/2016.
- Attended Spine 2016, annual conference of NSSA India from 16 to 18 September 2016 as delegate

SERVICE INFORMATION

- Neurosurgery OPD at BIN Monday to Saturday every week at BIN
- Neurosurgery OT 1 and 2 Monday to Saturday at BIN
- 3 days per week Neurosurgery Elective OT at SSKM Main OT Complex (Tue/Thurs/Sat)
- 24x7x365 BIN Emergency and Emergency admission Services at NCB/Alex/CCU
- Round the clock Emergency Operations at NEROT Complex

Services Summary (01/11/2015 to 31/10/2016)

Total OPD Attendance BIN	81310	
Total admissions in BIN (Elective)	1189	
Total operations in BIN (Elective)	1194	
Total no of diagnostic DSA	38	
Total no of Angio-intervention (Coiling / Embolization)	9 (for Neurosurgery Department)	
Total Mortality in BIN	81	
Total Admissions in NCB/Alex/CCU , SSKM Hospital (Emergency)	4289	
Total Operations in NEROT SSKM Hospital (Emergency)	1235	1387 (Total)
Total Operations in Main OT SSKMH	152	
Total No Of Patients Transferred To CCU/ITU/PICU SSKM Hospital	109	
Total Mortality in NCB/Alex/CCU (Emergency)	794	
Total operations performed by neurosurgery dept (BIN EMERGENCY & BIN MAIN OT & DSA)	2581	

Bangur Institute of Neurosciences – Biochemistry

Faculty

Dr. Gargi Sen

Assistant Professor & Head

Number of tests done during the period Jan, 2016 – Nov, 2016

Month	SUGAR	UREA	CREA	TG	CHO	TP	ALB	BIL	SGPT	SGOT
JAN	744	888	744	252	252	396	372	420	408	408
FEB	480	516	492	220	215	285	265	244	252	252
MARCH	700	856	800	220	182	350	380	408	432	432
APRIL	690	748	651	210	210	348	336	312	348	348
MAY	578	580	540	160	162	302	295	344	355	355
JUNE	612	696	624	298	302	372	348	288	350	350
JULY	555	665	625	275	274	300	305	348	312	312
AUG	671	720	684	245	263	410	395	382	310	310
SEP	436	600	546	190	195	240	276	240	380	380
OCT	648	684	615	228	211	300	276	336	348	348
NOV	600	612	556	220	223	384	384	360	420	420
TOTAL	6714	7565	6877	2518	2489	3687	3632	3682	3915	3915

Month	UA	CERU	LAC	SOD	POT	CAL	MAG	PHOS	TSH	CK	TOTAL
JAN	180	250	255	744	744	280	180	276	355	168	7293
FEB	100	200	230	550	550	216	108	240	310	132	5857
MARCH	204	260	200	600	600	240	260	200	325	212	7861
APRIL	220	168	180	696	696	300	222	180	325	180	7368
MAY	168	288	224	576	576	288	168	228	300	165	6652
JUNE	196	201	204	612	612	276	251	265	362	212	7431
JULY	154	204	216	580	580	204	164	245	352	201	6871
AUG	120	156	200	606	606	170	164	230	345	123	7110
SEP	132	166	144	500	500	156	120	258	322	152	5933
OCT	120	144	165	648	648	244	180	182	288	132	6745
NOV	240	210	152	650	650	219	251	184	296	264	7255
TOTAL	1834	2147	2170	6762	6762	2593	2068	2488	3580	1941	76416

Bangur Institute of Neurosciences – Pathology

Faculty

Dr. Suhrid Misra Professor & Head
 Dr. D. Bhattacharya Assistant Professor

Number of tests done during the period Jan, 2016 – Oct, 2016

	BLOOD RE	Complete hemogram	MP	ESR	BT-CT	Urine RE	Stool RE	Sputum	CSF
JAN	656	167	7	825	27	50	9	5	60
FEB	642	147	8	789	28	58	12	4	65
MARH	532	181	10	713	25	39	8	3	69
APR	520	146	12	670	26	48	7	0	72
MAY	625	139	28	764	24	45	8	2	58
JUNE	602	158	26	760	26	39	4	1	64
JULY	532	181	39	713	41	47	6	1	65
AUG	568	178	40	746	39	42	3	1	62
SEPT	550	165	39	715	28	36	4	0	79
OCT	505	145	32	650	31	30	2	2	58

	Other fluid	Gram stain	AFB	Fungal	FNAC+BM	Mantoux	RA	ANF	Biopsy	TOTAL
JAN	1	61	61	60	3	20	12	12	36	2072
FEB	1	66	66	65	5	17	16	16	36	2041
MARH	0	69	69	69	11	22	10	10	42	1882
APR	0	72	72	72	4	21	14	14	44	1814
MAY	1	49	49	58	8	23	20	20	40	2010
JUNE	0	64	64	64	10	17	14	14	51	1978
JULY	0	65	65	65	8	25	21	21	29	1924
AUG	1	63	62	62	5	24	18	17	33	1964
SEPT	2	79	79	79	4	20	22	22	45	1968
OCT	1	58	58	58	4	19	11	10	39	1713