



DEPARTMENT OF NEUROLOGY

DHAKA MEDICAL COLLEGE

Mobile: +8801725608799, Email – neurology.dmc94@gmail.com



Introduction of the Department

Department of Neurology is a prestigious department of Dhaka Medical College. The Department was established in 1994. Prof. Dr. Quazi Deen Mohammad was the founder Departmental Head. Since its establishment, it has been serving Dhaka Medical College Hospital patients with utmost sincerity and standard. It is the super specialized wing for the treatment of the neurological disorders. The department is enriched with 13 experienced faculties. It is situated in the 3rd floor of New building of Dhaka Medical College Hospital. It has 72 beded In-Patient Service. Moreover, it has Out Patient Service as well as 24×7 emergency service. Department runs 4 specialized clinics naming Headache, Epilepsy, Stroke and Movement Disorder Clinic weekly. The department enriched with EEG and NCS-EMG lab. Academic wing of the department is conducting ‘Undergraduate classes’ and ‘Postgraduate Residency Training & Courses’ for MD/MS/FCPS students under the curriculum of BMU & BCPS. There are scheduled classes, Journal club and Neuroanatomy presentation and Grand round. The department conducts several research works in the neurology and other field through neuro research wing.

Existing Departmental head: Prof. Murshed Baqui

Faculty Members

Category	Name	Qualification	Year of Teaching Experience	Number of Research
Professor	Prof. Dr. Murshed Baqui	MBBS, MD (Neurology)	14	10
	Prof. Dr. Md Khairul Kabir Patwary	MBBS, MD (Neurology)	12	15



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Associate Professor	Dr. Kanol Saha	MBBS, MD (Neurology)	11	13
	Dr. Dewan Md. Elyas	MBBS, MD (Neurology)	11	05
	Dr. Hashmi Sina	MBBS, MD (Neurology), MRCP (UK)	09	21
	Dr. Iftikher Alam (C.C)	MBBS, MD (Neurology), FCPS (Medicine)	09	08
	Dr. Farhana Mosleh Uddin (C.C)	MBBS, MD (Neurology), FCPS (Medicine), MRCP (UK), FRCP (London)	10	06
Assistant Professor	Dr. Seikh Md. Abul Fazal	MBBS, MD (Neurology), FCPS (Medicine)	06	04
	Dr. Md. Arifuzzaman	MBBS, MD (Neurology)	09	14
	Dr. Muhammad Fakhrul Islam	MBBS, MD (Neurology)	06	09
	Dr. Mohiuddin Ahmed	MBBS, MD (Neurology), FCPS (Medicine)	06	03
	Dr. Reaz Mahmud	MBBS, MD (Neurology), FCPS (Medicine)	06	30
	Dr. Israt Jahan	MBBS, MD (Neurology), FCPS (Medicine)	01	05



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Faculty Responsibility

Course Coordinator	Prof. Dr. Murshed Baqui Professor & Head
Course Manager (Phase B)	Dr. Hashmi Sina Associate Professor
Course Manager (FCPS)	Dr. Iftikher Alam Associate Professor Dr. Mohiuddin Ahmed Assistant Professor
Course Manager (Phase- A)	Dr. Md. Arifuzzaman Assistant Professor
Journal Coordinator	Dr. Muhammad Fakhrul Islam Assistant Professor
Clinical Session Coordinator	Dr. Reaz Mahmud Assistant Professor
Neuro-anatomy Coordinator	Dr. Israt Jahan Assistant Professor

1. Teaching & Learning Facilities

- 60 seated Multimedia supported classroom/seminar room.
- All kind of IT facilities.
- Separated Library room for post-graduation students

2. Academic Activities

- Regular Lecture Class – 6 Classes in a week.
- Anatomy Presentation – Once in a week.
- Journal Presentation – Once in a week.
- Clinical Session – Twice in a week.
- Clinical Class for Phase B/FCPS & Phase A students - Thrice in a week.
- Combined Clinical Session with Neurosurgery – Twice in a month.
- All Phase B/ FCPS Students are getting training from Neurosurgery Intervention Cath Lab.



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Departmental Objectives in medical education

At the end of the clinical postings in Neurology, medical students will be able to:

- ✓ Acquire the appropriate knowledge, attitude, and skills to become effective neurologists in society.
- ✓ Elicit a thorough clinical history and physical findings, identify clinical problems based on these findings, and determine appropriate diagnosis.
- ✓ Plan relevant investigations while considering available facilities and socioeconomic factors.
- ✓ Interpret different clinical and laboratory data
- ✓ Interpret imaging like CT, MRI, and DSA
- ✓ Understand the principles of managing various diseases, taking into account the recent evidence-based practice and the patient's socioeconomic circumstances.
- ✓ Diagnose and manage Neurologic emergencies.
- ✓ Participate in the different clinics run by department of Neurology
- ✓ Diagnose and manage common Neurologic disorders.
- ✓ Recognize the need to provide competent initial care and refer Multidisciplinary cases to appropriate department in a timely manner.
- ✓ Perform common clinical procedures.
- ✓ Understand the ethical and social implications of their decisions.
- ✓ Demonstrate effective communication, empathy, and reassurance when interacting with patients.
- ✓ Develop a commitment to patient care and evaluate each patient as an individual within society.
- ✓ Maintain an open attitude towards new developments in medicine to stay current with emerging knowledge.
- ✓ Learn to adapt new ideas to various situations as necessary.
- ✓ Keep accurate clinical records for future reference.
- ✓ Knows how to make literature review
- ✓ Perform at least one research work and become oriented toward conducting clinical research in the future.
- ✓ Learn the art of presentation in seminar, symposium and different conference.



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3. Patient Service Activities

- Neurology Ward – Allotted bed 72, daily patient occupancy 150+.
- Neurology Outdoor – 3 Outdoor medical Officers used to attend 120+ patients per day.
- Neurology Emergency- 24 hours' service
- Four specialized clinic- Stroke, Headache, Epilepsy, Movement disorder.
- NCS & EMG Unit – Operating every working day.
- EEG Unit- Operating every working day.

Departmental objective in patient service:

- Provide cheap and quality health care
- Equitable patient care
- Provide evidence based medical care
- Provide empathetic and flexible clinical care
- Special care to poor or under privileged group

Existing Facilities:

Academic and patient related services

Activity	Day	Time & Duration
Lecture Classes for MD Phase-B & FCPS	Saturday, Tuesday, Thursday	8.30 am to 9.30 am
Lecture Class for MD Phase-A	Saturday, Tuesday, Thursday	12.30pm to 1.30pm
Tutorial Class	Sunday, Monday, Wednesday	12.30pm to 1.30pm
Neuroanatomy session	Every alternate Monday	8.30 am to 9.30 am
Journal Club Presentation	Every alternate Monday	8.30 am to 9.30 am
Combined seminar with Neurosurgery	1 st and 3 rd Sunday of the month	12.30 to 2.30pm



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Stroke Clinic	Sunday	10.00 am to 11.00am
Headache Clinic	Monday	10.00 am to 11.00am
Epilepsy Clinic	Tuesday	10.00 am to 11.00am
Movement disorder Clinic	Wednesday	10.00 am to 11.00am
Outdoor Patient Department	Each Working Day	8.00am to 2.30pm
24/7 Emergency Services	7days	24 hours
Weekly Telemedicine	Every Sunday	12.00 pm
Morning Round	Every working Day	10.30am to 12.30pm
Referral by Faculties OPD and In Patient	Every working Day	12.00pm to 2.30pm
Ongoing Research	Stoke Registry Headache Registry Epilepsy Registry	

Inpatient services:

Male ward: 502 and 901

Ward	Ward nature	Allotted Beds	Existing patients
502	Male	40	100+
901	Male	16	16
902	Female	16 allotted bed and 15 Extra Bed	31



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Future plan:

- Thrombolysis unit for Hyperacute Ischaemic stroke management
- Extension of female Ward
- Neuro-cath lab
- Extension of research activities
- Neuro ICU

Research activities

There are various research carried out like Stroke registry and MD thesis related.

Ongoing research activities :

1	Association Between Elevated Plasma D-dimer Levels and Severity of Acute Ischemic Stroke and Its Outcome After 3 Months: A Cohort Study	Dr. Sanjida Jalal FCPS (Neurology) Part- II (Final) Dhaka Medical College
2	Correlation of CSF Protein with Clinical and Electrophysiologic Severity of CIDP	Dr. Faria Rafiq FCPS Neurology (Final Part) Department of Neurology Dhaka Medical College
3	Early Electrophysiological Findings in GBS with Their Diagnostic Performance	Dr. Md. Jashim Uddin FCPS (Neurology) Part- II (Final) Dhaka Medical College
4	Association between C-reactive protein to albumin ratio and outcome at 3 months in acute ischemic stroke patients: A study in a tertiary care hospital	Dr. Md. Abdullah Al Imran MD (Neurology), Thesis part student Dhaka Medical College



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5	Aetiology of hyponatremia in Acute Ischemic Stroke and its impact in hospital outcome in six months	Dr. Tanzeena Hossain MD (Neurology) , Thesis Part Department of Neurology Dhaka Medical College
6	Characteristic and Outcome at 1 month of Olfactory Dysfunction in Hospitalized COVID-19 Patients in a Tertiary Care Hospital	Prof. Kazi Gias Uddin Ahmed Dr. Reaz Mahmud Dr. Mohiuddin Ahmed

Research activities in recent past:

- Risk factors of post stroke depression & it's association with lesion location in a tertiary care hospital in Dhaka
- Early Electrophysiological Findings at day 5 in GBS with Their Diagnostic Performance
- Association of early glycemc status in 90 days outcome of non diabetic intracerebral haemorrhage
- Association Between Elevated Plasma D-dimer Levels and Severity of Acute Ischemic Stroke and Its Outcome After 3 Months: A Cohort Study.
- Correlation of CSF Protein with Clinical and Electrophysiologic Severity of CIDP
- Correlation of Seizure Semiology, Electroencephalogram, and Neuroimaging in Focal Epilepsy
- Association between iron deficiency anaemia and migraine severity



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- Location specific hematoma volume cut-off to predict clinical outcome in primary acute intracerebral hemorrhage
- Association between low LDL/HDL ratio with severity and association of Spontaneous Intracerebral haemorrhage and outcome at 6 month
- Systemic Inflammatory Biomarkers Predicting Three Months Outcome of Spontaneous Intracerebral Hemorrhage
- Association between High C reactive protein to serum albumin ration and outcome at 3 months in Acute Ischemic Stroke Patients: A study in Tertiary care hospital

Faculties research in recent past:

- Stroke registry
- Venous sinus thrombosis
- Aspirin resistance in recurrent stroke
- Medical ethics among health professionals
- Post-COVID neurologic features 2 years
- Neurologic manifestation of SLE
- Viral encephalitis-etiology and presentation
- Post –Covid syndrome
- FDI index in MND
- Sural and radial ratio diabetic Neuropathy
- Hirayama disease
- Profile of VEP



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Research publications made by the faculties of the department in BMDC recognized journals during last 3 years :

Sl	Authors	Title of the publication	Journal with reference
1	Dr. Reaz Mahmud, Prof. Kazi Gias Uddin Ahemd,	Health hazards related to using masks and/or personal protective equipment among physicians working in public hospitals in Dhaka: A cross-sectional study	PLOS ONE https://doi.org/10.1371/journal.pone.0274169 September 15, 2022
2	Dr. Reaz Mahmud, Dr. Hashmi Sina	Presentation, Etiology, Outcome, and Differentiation of Visual Semiology of Adult Occipital Epilepsy From Visual Aura of Migraine Headache: A Prospective Study in a Tertiary Care Center in Bangladesh	Cureus DOI: 10.7759/cureus.24186
3	Dr. Reaz Mahmud	Aspirin Resistance Among Patients with Recurrent Ischaemic Stroke, and Outcome of Patients at 120 Days with Alternative Antiplatelet: A Cohort Study in a Tertiary Care Hospital in Bangladesh	Journal of Stroke Medicine 1–8 © The Author(s) 2025 Article reuse guidelines: in.sagepub.com/journals-permissions-india DOI: 10.1177/25166085251327817 journals.sagepub.com/home/stm



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4	Dr. Reaz Mahmud	Efficacy of colchicine in patients with moderate COVID-19: A double-blinded, randomized, placebo controlled trial	PLOS ONE https://doi.org/10.1371/journal.pone.0277790 November 16, 2022
5	Mahmud, R. (2023).	Sturge-Weber Syndrome (Sws) With Occipital Epilepsy: Two Cases Presented In A Tertiary Care Hospital	<i>Journal of Dhaka Medical College</i> , 30(1), 118–222. https://doi.org/10.3329/jdmc.v30i1.56912
6	Muhammad Fakhrul Islam	Preventing Post operative problems in chiari malformation 1 the crucial role of Peroperative positioning :Technical nuancesand philosophy	<i>J surg res 2024: 7(4), xx-xx</i>
7	Dr. Mohiuddin Ahmed	Evaluate the clinical Presentation with calcium as a biochemical parameter in patients admitted with intracerebral Haemorrhage in tertiary hospitals in Bangladesh	<i>European Journal of pharmaceutical and medical research</i> , Vol- 9 issue -10 oct -22



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8	Dr. Mohiuddin Ahmed, Dr. Sheikh Abul Fazal	Short term hospital outcome of in recerebral hemorrhage on the basis of admission serum calcium level	<i>Scholar journal of applied medical sciences. 10.09.22</i>
9	Dr. Farhana Mosleh Uddin	Risk of ischaemic stroke in women with migraine	<i>Volume 8. Journal of Nins..2023</i>
10	Dr. Israt Jahan	Prevalence of Coexistent Iron Deficiency Anaemia (IDA) and β Thalassaemia Trait (β -TT)	<i>Jdmc Journal, Vol. 31 Num. 2 Oct 22</i>
11	Kamal, M. M, Datta, P. K., Hoque, M. M., Rahman, M. F. ., Khan, M. M. H. ., Basu, K. C. .Mahmud R, ... Rahman, M. M	Presentation and Outcomes of the Covid- 19 Among the Vaccinated and Nonvaccinated Patients. <i>Journal of Dhaka Medical College</i>	31(1), 137–147. https://doi.org/10.3329/jdmc.v31i1.65488
12	Mahmud R, Islam MA, Haque ME,	Difference in presentation, outcomes, and hospital epidemiologic trend of COVID-19 among first, second, and third waves: a review of hospital records and prospective cohort study.	et al. <i>Ann Med Surg (Lond)</i> . 2023;85(8):3816-3826. Published 2023 Jul 6. doi:10.1097/MS9.0000000000000001024
13	Saifuddin, M. ., Sharifuzzaman, M. ., Mahmud, R. ., Selim, S. ., Uddin, M. N. ., Hossain, M. A. ., ... Pathan, M. F.	Antimicrobial Resistance Pattern Among Diabetic Patients With Urinary Tract Infection at Bangladesh.	(2023). <i>Journal of Dhaka Medical College</i> , 31(1), 5–8. https://doi.org/10.3329/jdmc.v31i1.65428
14	Qayyum, J. A. ., Sayeed, S. K. J. B. ., Ahmed, F. ., Sarker, P. K. ., &	Hyperhomocysteinemia due to Vitamin B12 Deficiency with MTHFR Gene Mutation,	<i>Journal of Medicine</i> , 24(1), 51–55. https://doi.org/10.3329/jo



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	Mahmud, R. . (2023).	an Atypical Metabolic Cause of Young Ischemic Stroke: A Case Report.	m.v24i1.64904
15	Hoque, M. M. ., Mahmud, R. ., Datta, P. K. ., Khan, E. A. ., Biswas, S. ., Basu, K. C. ., ... Rahman, M. M. . (2023).	Clinical Characteristics of Deceased with COVID-19 Infection: Data from the Largest COVID-19 Dedicated Hospital in Bangladesh.	<i>Journal of Medicine</i> , 24(1), 28–36. https://doi.org/10.3329/joem.v24i1.64901
16	Hoque MM, Datta PK, Basu KC, et al.	Post-discharge quality of life of COVID-19 patients at 1-month follow-up: A cross-sectional study in the largest tertiary care hospital of Bangladesh.	<i>PLoS One</i> . 2023;18(1):e0280882. Published 2023 Jan 31. doi:10.1371/journal.pone.0280882
17	Mahmud, R. ., Sayeed, S. J. B. ., & Islam, M. R. . (2023).	A Case of Hemorrhagic Dengue Encephalitis: A Rare Presentation of Dengue Expanded Syndrome.	<i>Journal of Dhaka Medical College</i> , 30(2), 232–236. https://doi.org/10.3329/jdmc.v30i2.56932
18	Sayeed, S. J. B. ., Mahmud, R. ., Rahman, S. ., Moniruzzaman, M., Kabir, A. H. ., Biswas, P. K. ., & Yousuf, M. A. . (2023).	Cerebral Venous Sinus Thrombosis With Hereditary Antithrombin Iii Deficiency After COVID-19 Vaccination: A Case Report.	<i>Journal of Dhaka Medical College</i> , 30(2), 227–231. https://doi.org/10.3329/jdmc.v30i2.56931
19	Sayeed SKJB, Khan AH, Moniruzzaman M, Mahmud R, Rahman MM.	Systemic lupus erythematosus with acute ischemic optic neuropathy complicated with neuromyelitis optica: a case report	<i>J Med Case Rep</i> . 2023;17(1):21. Published 2023 Jan 22. doi:10.1186/s13256-022-03734-8



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20	Sayed, S. J. B. ., Rahman, M. M. ., Mahmud, R. ., Kabir, A. H. ., Rahman, S. ., Uddin, M. N. ., ... Kamal, M. M. . (2023).	In Hospital Outcome of Sars Cov-2 Infection Among Systemic Lupus Erythematosus Patients on Disease Modifying Drugs.	<i>Journal of Dhaka Medical College</i> , 30(1), 94–98. https://doi.org/10.3329/jdmc.v30i1.56909
21	Been Sayeed SKJ, Moniruzzaman M, Mahmud R, Rashid MB, Chandra Das S.	Acute Hemorrhagic Leucoencephalitis (AHLE): A Rare CNS Presentation of <i>Mycoplasma pneumoniae</i> .	<i>Cureus</i> . 2022;14(10):e30921. Published 2022 Oct 31. doi:10.7759/cureus.30921
22	Moniruzzaman M, Been Sayeed SKJ, Das SC	Clinical and laboratory characteristics and outcome predictors of cerebral venous sinus thrombosis in a referral neurology hospital in Bangladesh.	<i>J Int Med Res</i> . 2024;52(8):3000605241266 550. doi:10.1177/030006052412 66550