

(112-MED-16-03) DM – NEUROLOGY

Significance of Program

Why is neurology important? By learning about the nervous system, we can better understand how our minds and bodies work. Every day we are making new discoveries about the nervous system and how it impacts our lives.

Career Options

Neurology as a career has an immense scope as it comes with employment opportunities both in India and abroad. In addition, one can easily choose to work with a government or a private hospital. Job opportunities are also open in specialist hospitals and medical colleges.

Program Objectives

The objective of neurological examination is to localize the neuroanatomical lesion as the cause of the neurological symptoms. The neurologic examination is not a simple check list. Neurologists tailor their examination based on a patient's clinical presentation and history of illness.

Outcomes of the Program

- [1] Recognise the importance of Neurology in the context of the health needs of the community and national priorities in the health sector.
- [2] Practice Neurology ethically as per the Hippocratic oath and in step with the principles of primary health care, International GCP guidelines (Good Clinical Practice).
- [3] Demonstrate sufficient understanding of the basic sciences relevant to Neurology.
- [4] Identify social, economic, environmental, biological and emotional determinants of health in a given case, and take them into account while planning therapeutic, rehabilitative, preventive, and promotive measures/strategies.
- [5] Diagnose and manage majority of conditions in the specialty of Neurology on the basis of clinical assessment, and appropriately selected and conducted investigations.
- [6] Plan and advice measures for the prevention and rehabilitation of patients suffering from disease and disability related to the specialty of Neurology.
- [7] Demonstrate skills in documentation of individual case details as well as morbidity and mortality data relevant to the assigned situation.
- [8] Demonstrate empathy and humane approach towards patients and their families and exhibit interpersonal behaviour in accordance with the societal norms and expectation.

- [9] Play the assigned role in the implementation of National Health Programmes, effectively and responsibly.
- [10] Organise and supervise the Neurological Health Care services demonstrating adequate managerial skills in the clinic/hospital in the field situation.
- [11] Develop skills as a self-directed learner, recognise continuing educational needs: select and use appropriate learning resources.
- [12] Demonstrate competence in basic concepts of research methodology and epidemiology and be able to critically analyse relevant published research literature.
- [13] Develop skills in using educational methods and techniques as applicable to the teaching of medical/nursing students, general physicians and paramedical health workers.
- [14] Function as an effective leader of a health team engaged in health care, research or training.

Major Course Outlines

- Basic Neurosciences
- Angiography
- Transcranial Doppler
- Neuro Anatomy
- Myelography
- Clinical Neurology
- Neurophysiology
- EEG and EMG
- Basic Neurology
- Neuropathology
- Nerve Conduction Study
- Neurological Disease

CORE	Electives	Skill Course
NEUROLOGY	MEDICINE	<p>practical skills, to be able to complete clinical neurological examinations. the ability to communicate effectively, both verbally and in writing, with patients and staff from a range of backgrounds. problem-solving and clinical decision-making skills. the ability to work independently and as part of a team.</p>