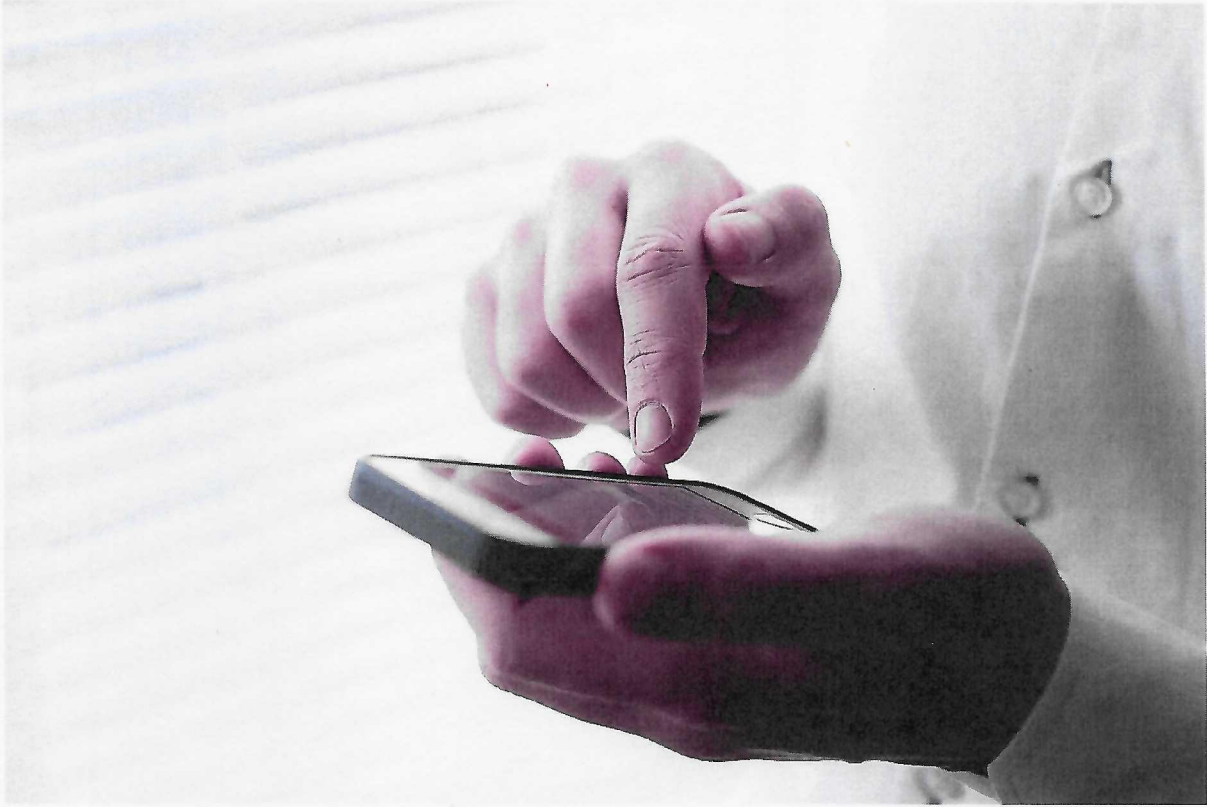


Syllabus for DM (Neurology) Programme



Guru Gobind Singh Indraprastha University

A State University established by the Govt. of NCT of Delhi

University School of Medicine and Allied Health Sciences

D.M NEUROLOGY COURSE SYLLABUS UNDER THE AEGIS OF IP UNIVERSITY

D M (Neurology) course is designed to train candidates in the principles and practice of Neurology and to equip them to function as faculty/consultants/ researchers in Neurology. The trainees should acquire an overall knowledge in Neurology by reading standard textbooks, monographs and peer reviewed journals related to neurosciences. A core syllabus is however, recommended as mentioned below, but it does not purport to be either comprehensive or restrictive. The training program shall be updated as and when required.

ADMISSION REQUIREMENTS

For admission to D M (Neurology course), a candidate is required to possess MD/DNB degree either in Medicine or in Paediatrics of an Institute/University recognized by the Medical Council of India.

METHOD OF SELECTION

The selection of candidates for admission to D M (Neurology) course is to be made on the basis of an entrance examination held by the Institute /University. The selection is based on merit only.

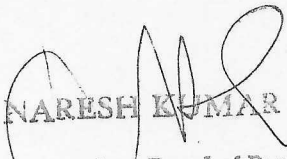
DURATION OF THE COURSE


Three academic years


TEACHING METHODS

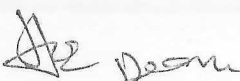
During the period of training, the candidates follow in-service training-cum-residency program. He/she works as a Senior Resident and is given gradually increasing responsibility in decision making.

The day-to-day work of the trainees is supervised by the faculty of the department of Neurology. The trainee is posted to various areas of the department like OPD, wards, Neuroelectrophysiology laboratories etc. and participates in the consultation service provided by the department. Besides in-service activities, a program of bedside demonstrations, seminars, tutorials, group discussion, workshops, journal clubs and lectures are also organized.


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Dr. Desai

TEACHING PROGRAMME

The following teaching schedule is prescribed for the course:

Neurology

- The Outpatient service & Ward rounds
- Seminars - Once a week
- Journal club/ Neuroradiology/ Neuropathology - Once a week
- Case Presentation - Once a week
- Teaching of M D Medicine, Psychiatry, & Pediatrics residents by the D M students as scheduled by the department.

Neurophysiology

- The resident is imparted training in the technique, interpretation and application of EEG/EMG/ Evoked Responses.

Neurosurgery

- During the Neurosurgery posting which is for one month, the candidate is required to attend all the operations and see for himself/herself, the surgical techniques. Postoperative care and complications and selection of cases for surgery are also taught.

Neuroradiology

- The trainee is made conversant with the technique and interpretation of Skull & Spine X-rays, CT Scan, MRI Scan, PET, SPECT, Carotid/Vertebral angiography, Myelography.

Neuropathology

- The candidate is imparted training in special staining procedures and interpretations of the histopathological sections.

The trainee is made well conversant with each and every aspect of known knowledge about Neuroanatomy, Neurophysiology, Neurochemistry, Neuroradiology, Neuropharmacology and Applied Neurology by the end of three years training. Related neuropathology, neurosurgery and neuroradiology are also taught through bedside teaching rounds, lectures, seminars and group discussions.

Research

The trainee shall be required to undertake research and write papers under the guidance of faculty. The candidates will have to submit a thesis work within three months of the joining of

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the course. The work period for the thesis will for 1½ – 2 years. The candidates are expected to publish their research work.

PERIOD OF POSTINGS IN VARIOUS UNITS, DIVISION/ DEPARTMENTS

The trainee will be posted in different specialties as follows:

Clinical Neurophysiology - 3 months

Neurosurgery - 1 month

Neuropathology – 2 weeks

Neuroradiology – 2 weeks

Neuropsychiatry – 1 month

Besides the specified time period indicated above, the trainee shall be throughout taught the subjects during departmental and interdepartmental presentations and, seminars etc.

ASSESSMENT

Post-graduate students shall maintain a Log Book of the work assigned to them. Regular two internal assessments both in Theory and Case Presentation shall be made for every candidate. Internal assessment will be made in day-to-day work of the trainee which involves patient-care, bedside case presentation and research.

FINAL EXAMINATION

Eligibility: The candidate will be allowed to appear after three years of training.

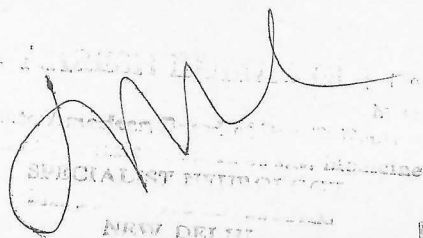
Board of examiners: Neurologists with minimum of 8 years of teaching experience in the specialty including 5 years as faculty after obtaining degree in DM (Neurology).


Theory papers: There shall be three theory papers with the following titles:


1. Basic sciences as related to Neurology
2. Clinical Neurology
3. Investigative and recent advances in Neurology

Clinical, Practical and viva voce: One long case and two short cases are given to the candidates and the discussions thereon are held in each case. Additional spots/cases also may be shown.

The candidates are also given neuroelectrophysiology tests, pathology specimens, histology slides and neuroimaging to be interpreted. Viva voce examination is also held.


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NEUROLOGY CURRICULUM

Candidates will have to appear in theory, practical and viva voce examination covering the following chapters:

Paper-1

Basic Sciences

Neuroanatomy, Neurophysiology, Neuropharmacology, Neurogenetics, Neuroimmunology, Neuroendocrinology and Neuropathology

Paper-2

Clinical Neurology


Clinical features, diagnosis, management and prognosis of Neurological and allied conditions


Paper-3

Recent Advances

Recent advances in neurosciences and their application to the practice of Neurology


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Journals

1. Brain
2. Journal of Neurology
3. Neurology India
4. Journal of Neurology, Neurosurgery & Psychiatry
5. Movement disorders
6. Epilepsia
7. Seizures
8. Current Opinions in Neurology
9. Seminars in Neurology
10. Annals of Indian Academy of Neurology
11. Acta Neurologica Scandinavia
12. Brain research
13. Journal of Neurological Sciences

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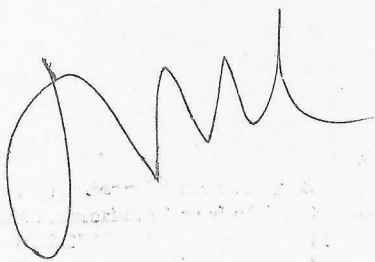
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H.O.D Neurology & Sr. Neurologist
ज. राव मल्हेर लोहिया अस्पताल एवं पी.जी.आई.एच.ए.ए. नई दिल्ली


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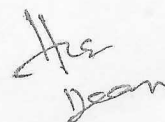
Text Books

1. Principles of Neurology. Ed. by Raymond, Maurice Victor , Allen H Ropper.
2. Neurology in Clinical Practice. Ed. by Walter G. Bradley
3. Localization in Clinical Neurology: Ed by Paul W Brazis
4. Dejong's Neurologic Examination; Ed by William W. Campbell
5. Mental Status from in Neurology; Ed by Richard L Strub & Black
6. Neurological Examination in Clinical Practice ; Ed by Johan A. Spillane
7. Neurological Differential Diagnosis : Ed by John Patten
8. Electro diagnosis in Clinical Neurology; Ed. By Michael J. Aminoff Neurology in Topics . Ed by J.S. Chopra
9. Test Book of Child Neurology; Ed by John H. Menkes
10. Epilepsy A Comprehensive Test Book; Ed by Jerome Engel JR
11. Handbook of Neurology- Cumulative Series; Ed. By P J Vinken & G W Bruyn
12. The Treatment of Epilepsy Principles & Practice; Ed by Elaine Wyllie Merritt' Neurology ; Ed by Lewis P. Rowland
13. Current Therapy in Neurologic Disease ; Ed by Richard T. Johnson
14. Movement Disorder 1and 2; Ed. By C.D. Marsden
15. Diagnositic Neuroradiology. Ed. Anne G Osborn
16. Mechanism and Management of Headache; Ed by James W Lance
17. From Basic Pain Mechanisms to Headache ; Ed by J Olesen and T S Jensen
18. Evoked Potentials in Clinical Medicine; Ed. By Keith H Chiappa.




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