



# College of Physicians and Surgeons of Mumbai

## Syllabus for CPS-PG-Course

### DNEU-DIPLOMA IN NEUROLOGY

**College of Physicians and Surgeons of Mumbai**

CPS House, Dr. E. Borges Marg, Parel, Mumbai – 400012.

## **DNEU-DIPLOMA IN NEUROLOGY**

### **COURSE DESCRIPTION**

#### Eligibility Criteria for Candidates:

i. A candidate should possess MBBS degree/ equivalent degree as per provisions of Indian Medical Council Act.

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ii. Candidates having a recognized 3 years degree Qualification (MD/MS/DNB) in any General Medicine

or 2 years Diploma Qualification in General Medicine

Duration of the Course : 2 years

### **AIMS AND OBJECTIVES OF THE COURSE**

The aim of the course is to impart thorough and comprehensive training to the candidate in the various aspects of the specialty to enable him/her:

To function as Faculty/consultants in the specialty

To plan and set up independent Neurology Unit catering to clinical and investigative Neurology

To carry out and help in conducting applied research in Neurosciences.

### **TEACHING METHODS**

During the period of training the candidates follow in-service training-cum-residency programme. He/ she works as a Senior Resident and is given gradually increasing responsibility in decision making process in the clinical and investigative aspects of Neurology and its allied specialties such as Neuroanatomy, Neuropsychiatry, Neuropathology, Neurophysiology, Neurochemistry, Neuroradiology, Neuroanaesthesiology, Neurorehabilitation and Neurosurgery. The day-to-day work of the trainees is supervised by the Consultants of the department of Neurology. The posting is so organized that the trainee gets posted in various areas of the department like OPD, wards, laboratories etc. He/She participates in the consultation service provided by the department to the Institute. Besides in-service activities a programme of bedside demonstrations, seminars, tutorials, group discussion, workshops, journal clubs and lectures to also be organized.

### **TEACHING PROGRAMME**

The following teaching schedule is prescribed for the course: The Outpatient service - 3 days a week

Major ward rounds - 3 days a week D M Seminars - Once a week Journal club - Once a week  
Neuroradiology (teaching session) - Once a week EEG/EMG etc. - Once a week

## ROTATIONS

### *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 carotid/vertebral angiography, pneumoencephalography, Myelography, CT scan and MRI scan. All these investigations are taught under the guidance of a neuroradiologist during one month. Neuroradiology investigations are conducted every day in the Radiology Department.

Regular Neuroradiology posting - 1month

Weekly sessions - once a week

### *Neuropathology*

Brain cutting sessions are held once a week. During the one month posting in the Neuropathology, the candidate is imparted training in special staining procedures and interpretations of the histopathological sections.

### *Neurophysiology*

The resident is imparted training in the technique of application of EEG/EMG/evoked response electrodes. He/She learns to detect various types of artifacts in the EEG and evoked response results. He also learns the handling of EEG/EMG and evoked response machines, under the guidance of technical assistant and the consultants. During the first year of the course, training is imparted in the interpretations of nerve conduction studies, EMG, evoked response and ultrasound studies.

He/she is taught the interpretation of EEG records and reports under the guidance of senior colleagues and consultants in the beginning and independently in the second year of training.

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 two year training. Related neuropathology and neurosurgery is also taught through bedside, teaching rounds lectures, seminars and group discussions.

*Neuropsychiatry*

One month posting in the Psychiatry department.

PERIOD OF POSTINGS IN VARIOUS UNITS, DIVISION/DEPARTMENTS( 2 years – Full Time Course )

The trainee will be posted in different specialties as follows:

Neurology	18 months
Clinical	6 Months
Neurosurgery –	
Neuropathology -	
Neuroradiology -	
Neuropsychiatry -	
Research Exp. -	
Neuro Anaesthesiology	

ASSESSMENT

Internal assessment will be made in day-to-day work of the trainee who involves patients care, learning bedside case presentations and research.

NEUROLOGY CURRICULUM

Every institution undertaking post-graduate training programme shall set up a curriculum Committee under the Chairmanship of the HOD, which shall work out the details of the training programme in their department in consultation with other departmental faculty staff and also co-ordinate and monitor the implementation of this programme. The training programme shall be updated as and when required.

Post-graduate students shall maintain a Log Book of the work assigned to them.

**DNEU-DIPLOMA IN NEUROLOGY****EXAMINATION PATTERN****Theory Examination:**

<b>PAPER I</b>	<b>PAPER II</b>	<b>PAPER III</b>
Basic sciences as related to Neurology	Clinical Neurology	Investigative and recent advances in Neurology
<b>Section I</b>	<b>Section I</b>	<b>Section I</b>
Q.1. 10 Marks	Q.1. 10 Marks	Q.1. 10 Marks
Q.2. 10 Marks	Q.2. 10 Marks	Q.2. 10 Marks
Q.3. 10 Marks	Q.3. 10 Marks	Q.3. 10 Marks
Q.4. 10 Marks	Q.4. 10 Marks	Q.4. 10 Marks
Q.5. 10 Marks	Q.5. 10 Marks	Q.5. 10 Marks
<b>Total 50 Marks</b>	<b>Total 50 Marks</b>	<b>Total 50 Marks</b>
<b>Section II</b>	<b>Section II</b>	<b>Section II</b>
Q.6. 10 Marks	Q.6. 10 Marks	Q.6. 10 Marks
Q.7. 10 Marks	Q.7. 10 Marks	Q.7. 10 Marks
Q.8. 10 Marks	Q.8. 10 Marks	Q.8. 10 Marks
Q.9. 10 Marks	Q.9. 10 Marks	Q.9. 10 Marks
Q.10. 10 Marks	Q.10. 10 Marks	Q.10. 10 Marks
<b>Total 50 Marks</b>	<b>Total 50 Marks</b>	<b>Total 50 Marks</b>
Section I + II = 100 Marks	Section I + II = 100 Marks	Section I + II = 100 Marks
<b>Total Theory = 300 Marks, Passing = 150 (i.e. 50%) Marks in aggregate</b>		

<b>Practical Examination:</b>		<b>Marks</b>
<b>Paper 04</b>	Clinical Practical	100
<b>Paper 05</b>	Oral & Viva	100
<b>Paper 06</b>	Case	100
<b>Total Marks</b>	<b>(Aggregate marks for passing is 50% out of total.)</b>	<b>300</b>