

# M.S. Ramaiah University of Applied Sciences

New BEL Road, MSR Nagar, Bangalore – 560054



**RAMAIAH  
UNIVERSITY**  
OF APPLIED SCIENCES

## PO, PSO & CO

**Programme: DM Neurology**

**Programme Code: 150**

**Programme Outcome (PO)**

**Programme Specific Outcome (PSO)**

**Course Outcomes (CO)**



*Shalini*

**Principal and Dean**

M.S. Ramaiah Medical College and Hospital  
M.S. Ramaiah University of Applied Sciences

Bangalore-560054

# Ramaiah Medical College (RMC)

## Programme Outcomes

### Post Graduate Programme: DM Neurology

#### Programme objectives (PO) for DM Neurology Postgraduate students

At the end of the program the postgraduate students should

- PO1.** Develop the knowledge, skills and attitude to be a competent neurologist (C, P)
- PO2.** Demonstrate a commitment to excellence and continuous professional development with integrity, compassion and sensitivity to patient care. (A)
- PO3.** Acquire and develop the knowledge, skills and attitude required to be a competent and ethical researcher and teacher. (A, C, P)
- PO4.** Be able to independently manage neurological patients with a reasonable degree of professionalism and competence. (C,A,P)

## Programme Specific Outcomes (PSOs)

### Programme specific outcome (PSO) for DM Neurology Postgraduate students

- PSO1.** Achieve competence in history taking, detailed neurological examination and clinical analysis leading to accurate diagnosis of neurological illnesses. (C,A,P)
- PSO2.** Achieve competence in planning investigations and appropriate management of the patient. Should be adequately exposed to various sub-specialties of neurology mainly acute stroke care and interventions, comprehensive epilepsy and movement disorder management. This includes evaluation of drug refractory epilepsy for consideration of surgical options and also deep brain stimulation and injection Botulinum toxin in the management of movement disorders. Should be adequately exposed to management of critically ill patients in the intensive care unit and should be exposed to neurological emergencies. (C,A,P)
- PSO3.** Know the utility, limitations and interpretation of various investigative modalities such as EEG, EMG, Evoked potentials, CSF study, CT scan, MRI scan, Cerebral Angiography. Should develop procedural skills in Neurology such as lumbar puncture, Electrophysiological study and muscle / nerve biopsies. (C,A,P)
- PSO4.** To enable him/ her to function as Faculty / Consultants in the speciality. (A,C)
- PSO5.** To plan and set up an independent Neurology unit catering to clinical and investigative Neurology. (A,C)
- PSO6.** To carry out and help in conducting applied research in Neurosciences. ( C )

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## Course Outcomes (COs)

Course Title & Code: Basic sciences as related to Neurology (DMC501A)

Subjects At the end of the course, the students should be able to:

- CO-1. Demonstrate basic skills in the clinical history taking and neurological examination along with documentation of detailed inpatient case sheets, sufficient skills in dealing with routine out-patient cases, planning investigations and course of treatment. (C,A,P)
- CO-2. Perform procedures like lumbar puncture independently and be able to assist with procedures related to tissue biopsies. Perform Electrophysiological procedures, including NCS, ENMG and EEG. Able to interpret CT & MRI scans (C,A,P)
- CO-3. Teach students effectively by using appropriate learning resources and teaching techniques. (A, C)

## Course Outcomes (COs)

Course Title & Code: Clinical Neurology (DMC502A)

Subjects At the end of the course, the students should be able to:

- CO-1. Demonstrate basic skills in the clinical history taking and neurological examination along with documentation of detailed inpatient case sheets, sufficient skills in dealing with routine out-patient cases, planning investigations and course of treatment. (C,A,P)
- CO-2. Perform procedures like lumbar puncture independently and be able to assist with procedures related to tissue biopsies. Perform Electrophysiological procedures, including NCS, ENMG and EEG. Able to interpret CT & MRI scans (C,A,P)
- CO-3. Teach students effectively by using appropriate learning resources and teaching techniques.

## Course Outcomes (COs)

Course Title & Code: Investigative Neurology (DMC503A)

Subjects At the end of the course, the students should be able to:

- CO-1. Demonstrate basic skills in the clinical history taking and neurological examination along with documentation of detailed inpatient case sheets, sufficient skills in dealing with routine out-patient cases, planning investigations and course of treatment. (C,A,P)
- CO-2. Perform procedures like lumbar puncture independently and be able to assist with procedures related to tissue biopsies. Perform Electrophysiological procedures, including NCS, ENMG and EEG. Able to interpret CT & MRI scans (C,A,P)
- CO-3. Teach students effectively by using appropriate learning resources and teaching techniques. (A, C)

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## Course Outcomes (COs)

### Course Title & Code: Recent advances in Neurology (DMC504A)

Subjects At the end of the course, the students should be able to:

- CO-1.** Demonstrate basic skills in the clinical history taking and neurological examination along with documentation of detailed inpatient case sheets, sufficient skills in dealing with routine out-patient cases, planning investigations and course of treatment. (C,A,P)
- CO-2.** Perform procedures like lumbar puncture independently and be able to assist with procedures related to tissue biopsies. Perform Electrophysiological procedures, including NCS, ENMG and EEG. Able to interpret CT & MRI scans (C,A,P)
- CO-3.** Teach students effectively by using appropriate learning resources and teaching techniques. (A, C)

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Registrar  
M.S. Ramaiah University of Applied Sciences  
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