FELLOWSHIP IN CLINICAL NEUROLOGY

ABOUT THE UNIVERSITY

Malla Reddy Vishwavidyapeeth is a reputed educational institution located in Hyderabad, Telangana, India. Recognized as a "Deemed to be University under Distinct (Existing) Category," the university offers multidisciplinary programs in medical, dental, nursing, pharmaceutical sciences, engineering, and allied health sciences. The institution emphasizes academic excellence, clinical proficiency, innovation, and global collaborations, contributing significantly to advanced healthcare education and training.

PROGRAM OVERVIEW

The Fellowship in Clinical Neurology is a specialized clinical program designed to develop expertise in the diagnosis, evaluation, and management of neurological disorders. The program focuses on:

- Neuroanatomy and neurophysiology
- Diagnosis and management of neurological diseases
- Stroke and cerebrovascular disorders
- Epilepsy and seizure disorders
- Neurodegenerative diseases (Parkinson's disease, Alzheimer's disease)
- Neuromuscular and peripheral nerve disorders

The program integrates **theoretical learning, clinical exposure, and hands-on training**, ensuring competency in neurological care.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Diagnose and manage a wide range of neurological disorders.
2. Apply neurodiagnostic tools and techniques effectively.
3. Provide evidence-based neurological care.
4. Deliver patient-centered and multidisciplinary treatment approaches.

PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose and manage neurological conditions such as stroke, epilepsy, and neurodegenerative diseases.

2. **Diagnostic Proficiency:** Interpret neuroimaging and neurophysiological investigations.
3. **Therapeutic Skills:** Apply pharmacological and supportive treatment strategies.
4. **Emergency Care:** Manage neurological emergencies including stroke and status epilepticus.
5. **Multidisciplinary Care:** Collaborate with neurosurgeons, physiotherapists, and rehabilitation teams.
6. **Rehabilitation Skills:** Implement neurological rehabilitation and recovery strategies.
7. **Evidence-Based Practice:** Apply clinical guidelines and research in neurology.

COURSE OUTCOMES (COS)

- **CO1:** Understand neuroanatomy and neurophysiology.
- **CO2:** Diagnose and manage neurological disorders effectively.
- **CO3:** Interpret neurodiagnostic tools such as EEG and neuroimaging.
- **CO4:** Manage neurological emergencies and critical conditions.
- **CO5:** Apply rehabilitation strategies in neurological care.

PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate competency in clinical neurology diagnosis and management.
2. Apply neurodiagnostic tools in patient evaluation.
3. Integrate multidisciplinary approaches in neurological care and rehabilitation.

PROGRAM DETAILS

- **Certificate Awarded by:** Malla Reddy Vishwavidyapeeth
- **Program Duration:** One-Year Fellowship
- **Mode of Delivery:** Hybrid (Clinical Training + Theoretical Learning + Hands-on Practice)

ELIGIBILITY CRITERIA

- **Academic Qualification:** MD/DNB in General Medicine / Neurology or related fields
- **Professional Requirement:** As per institutional and regulatory guidelines

KEY FEATURES

- Specialized training in neurological disorders and management
- Hands-on clinical exposure in neurology units
- Training in EEG, neuroimaging, and diagnostic techniques
- Focus on stroke care and neurological emergencies
- Integration of neurology with rehabilitation practices
- Exposure to neurodegenerative and neuromuscular disorders
- Evidence-based clinical practice

LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of neurological diseases and treatment strategies.

COGNITIVE SKILLS

- Clinical reasoning and decision-making in neurology.

PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in neurological diagnosis, evaluation, and patient management.
- Hands-on experience in neurology clinical settings.

TRANSFERABLE SKILLS

- Patient counseling and communication regarding neurological conditions.
- Clinical documentation and reporting.

SUBJECT-SPECIFIC SKILLS

- Integrated management of neurological disorders using multidisciplinary approaches.

CURRICULUM MODULES – THEORY

- Neuroanatomy and Neurophysiology
- Stroke and Cerebrovascular Diseases
- Epilepsy and Seizure Disorders
- Neurodegenerative Disorders
- Neuromuscular and Peripheral Nerve Disorders
- Neurodiagnostic Techniques (EEG, Imaging)
- Movement Disorders
- Neuroinfections and Inflammatory Disorders
- Neurocritical Care and Emergencies
- Advances in Neurology

PRACTICAL COURSEWORK

- Clinical training in neurology departments and units
- Neurological examination and patient assessment
- Interpretation of EEG and neuroimaging studies
- Management of stroke and neurological emergencies
- Rehabilitation and patient recovery planning
- Case documentation and clinical evaluation
- Interdisciplinary patient care

CAREER OUTCOMES

Graduates of the Fellowship in Clinical Neurology can pursue careers as:

- Clinical Neurologist
- Neurology Consultant
- Stroke Care Specialist
- Neurorehabilitation Specialist
- Clinical Practitioner in Multispecialty Hospitals
- Academic and Research Roles in Neurology