

## FELLOWSHIP IN EPILEPSY

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### 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.

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### PROGRAM OVERVIEW

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

- Neurophysiology of seizures and epilepsy
- Classification and types of seizures
- Diagnostic evaluation including EEG and neuroimaging
- Pharmacological management of epilepsy
- Status epilepticus and emergency management
- Epilepsy surgery and advanced treatment approaches

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

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### PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Diagnose and classify different types of epilepsy and seizure disorders.
  2. Apply neurodiagnostic tools for accurate evaluation.
  3. Manage epilepsy using pharmacological and advanced treatment strategies.
  4. Deliver evidence-based and patient-centered neurological care.
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### PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose and manage various forms of epilepsy and seizure disorders.

2. **Diagnostic Proficiency:** Interpret EEG, neuroimaging, and other neurodiagnostic tools.
  3. **Therapeutic Skills:** Apply antiepileptic drugs and treatment protocols effectively.
  4. **Emergency Care:** Manage status epilepticus and acute seizure emergencies.
  5. **Advanced Care:** Understand indications for epilepsy surgery and advanced therapies.
  6. **Multidisciplinary Care:** Collaborate with neurologists, neurosurgeons, and rehabilitation teams.
  7. **Evidence-Based Practice:** Apply clinical guidelines and research in epilepsy care.
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#### COURSE OUTCOMES (COS)

- **CO1:** Understand neurophysiology and classification of seizures.
  - **CO2:** Diagnose and manage epilepsy effectively.
  - **CO3:** Interpret EEG and neuroimaging findings.
  - **CO4:** Manage acute seizure emergencies and status epilepticus.
  - **CO5:** Apply long-term management and patient counseling strategies.
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#### PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate competency in diagnosing and managing epilepsy.
  2. Apply neurodiagnostic techniques such as EEG effectively.
  3. Integrate multidisciplinary approaches in epilepsy care and rehabilitation.
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#### PROGRAM DETAILS

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

- **Academic Qualification:** MD/DNB in General Medicine / Neurology
  - **Professional Requirement:** As per institutional and regulatory guidelines
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#### KEY FEATURES

- Specialized training in epilepsy and seizure disorders
- Hands-on clinical exposure in neurology and epilepsy units

- Training in EEG and neurodiagnostic techniques
  - Focus on seizure classification and management
  - Exposure to emergency and critical epilepsy care
  - Integration of neurology with advanced treatment approaches
  - Evidence-based clinical practice
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## LEARNING OUTCOMES

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### KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of epilepsy, seizure disorders, and management strategies.
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### COGNITIVE SKILLS

- Clinical reasoning and decision-making in epilepsy care.
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### PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in EEG interpretation, diagnosis, and patient management.
  - Hands-on experience in epilepsy clinical settings.
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### TRANSFERABLE SKILLS

- Patient counseling and long-term care planning.
  - Clinical documentation and reporting.
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### SUBJECT-SPECIFIC SKILLS

- Integrated management of epilepsy using multidisciplinary approaches.
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## CURRICULUM MODULES – THEORY

- Neurophysiology of Seizures
- Classification of Epilepsy and Seizure Types
- EEG and Neurodiagnostic Techniques
- Pharmacological Management of Epilepsy
- Status Epilepticus and Emergency Care
- Pediatric and Adult Epilepsy
- Epilepsy Surgery and Advanced Therapies
- Neuroimaging in Epilepsy
- Psychosocial Aspects of Epilepsy
- Advances in Epilepsy Care

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## PRACTICAL COURSEWORK

- Clinical training in neurology and epilepsy units
- EEG recording and interpretation
- Diagnosis and management of seizure disorders
- Management of acute seizure emergencies
- Patient counseling and long-term care planning
- Case documentation and clinical evaluation
- Interdisciplinary patient care

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## CAREER OUTCOMES

Graduates of the Fellowship in Epilepsy can pursue careers as:

- Epilepsy Specialist
- Neurology Consultant
- EEG and Neurodiagnostic Specialist
- Clinical Practitioner in Multispecialty Hospitals
- Academic and Research Roles in Neurology

