

## FELLOWSHIP IN DIABETIC NEUROLOGY (AUTONOMIC NEUROPATHY)

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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 Diabetic Neurology (Autonomic Neuropathy) is a specialized clinical program designed to develop expertise in the diagnosis and management of neurological complications associated with diabetes, with a focus on autonomic neuropathy. The program focuses on:

- Pathophysiology of diabetic neuropathies
- Autonomic nervous system disorders
- Peripheral and autonomic neuropathy in diabetes
- Cardiovascular autonomic neuropathy
- Gastrointestinal, genitourinary, and sudomotor dysfunction
- Diagnostic and management strategies in diabetic neuropathy

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

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### PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Diagnose and manage diabetic neuropathies, including autonomic dysfunction.
  2. Apply neurophysiological and diagnostic techniques effectively.
  3. Manage complications arising from diabetic autonomic neuropathy.
  4. Deliver evidence-based and patient-centered neuro-metabolic care.
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### PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose and manage diabetic peripheral and autonomic neuropathies.

2. **Diagnostic Proficiency:** Interpret nerve conduction studies and autonomic function tests.
  3. **System-Based Management:** Address cardiovascular, gastrointestinal, and genitourinary autonomic dysfunction.
  4. **Therapeutic Skills:** Apply pharmacological and supportive treatments.
  5. **Preventive Care:** Implement glycemic control and lifestyle strategies to prevent neuropathy progression.
  6. **Multidisciplinary Care:** Collaborate with diabetologists, neurologists, and rehabilitation teams.
  7. **Evidence-Based Practice:** Apply clinical guidelines and research in diabetic neurology.
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#### COURSE OUTCOMES (COS)

- **CO1:** Understand pathophysiology of diabetic neuropathy and autonomic dysfunction.
  - **CO2:** Diagnose and manage peripheral and autonomic neuropathies.
  - **CO3:** Interpret neurophysiological and autonomic function tests.
  - **CO4:** Manage systemic complications related to autonomic neuropathy.
  - **CO5:** Apply preventive strategies and patient education.
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#### PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate competency in diagnosing and managing diabetic neuropathies.
  2. Apply neurodiagnostic techniques in autonomic dysfunction assessment.
  3. Integrate multidisciplinary approaches in neuro-metabolic care.
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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 / Endocrinology
  - **Professional Requirement:** As per institutional and regulatory guidelines
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## KEY FEATURES

- Specialized training in diabetic neuropathy and autonomic dysfunction
  - Hands-on clinical exposure in neurology and diabetology units
  - Training in nerve conduction and autonomic function testing
  - Focus on systemic complications of diabetic neuropathy
  - Integration of neurology and metabolic medicine
  - Preventive and lifestyle-based management approaches
  - Evidence-based clinical practice
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## LEARNING OUTCOMES

### KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of diabetic neuropathy and autonomic nervous system disorders.
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### COGNITIVE SKILLS

- Clinical reasoning in diagnosing and managing neuro-metabolic conditions.
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### PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in neurodiagnostic techniques and patient management.
  - Hands-on experience in clinical neurology and diabetology settings.
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### TRANSFERABLE SKILLS

- Patient counseling and communication for chronic disease management.
  - Clinical documentation and reporting.
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### SUBJECT-SPECIFIC SKILLS

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

- Pathophysiology of Diabetic Neuropathy
- Autonomic Nervous System Disorders
- Peripheral and Autonomic Neuropathies
- Cardiovascular Autonomic Neuropathy
- Gastrointestinal and Genitourinary Dysfunction
- Neurodiagnostic Techniques (NCS, Autonomic Testing)
- Pharmacological Management of Neuropathy

- Glycemic Control and Preventive Strategies
  - Rehabilitation in Neuropathy
  - Advances in Diabetic Neurology
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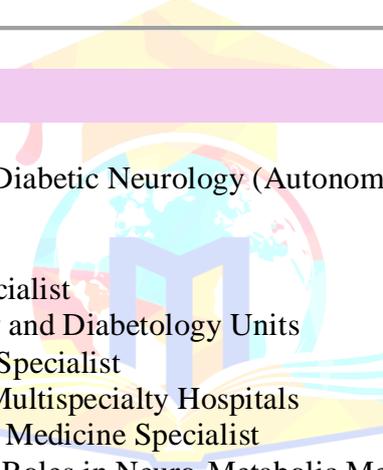
#### PRACTICAL COURSEWORK

- Clinical training in neurology and diabetology departments
  - Diagnosis and management of diabetic neuropathies
  - Nerve conduction studies and autonomic function testing
  - Management of systemic autonomic complications
  - Patient counseling and lifestyle management
  - Case documentation and clinical evaluation
  - Interdisciplinary patient care
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#### CAREER OUTCOMES

Graduates of the Fellowship in Diabetic Neurology (Autonomic Neuropathy) can pursue careers as:

- Diabetic Neurology Specialist
- Consultant in Neurology and Diabetology Units
- Autonomic Neuropathy Specialist
- Clinical Practitioner in Multispecialty Hospitals
- Preventive and Lifestyle Medicine Specialist
- Academic and Research Roles in Neuro-Metabolic Medicine



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