FELLOWSHIP IN MOVEMENT DISORDERS & DEEP BRAIN STIMULATION (DBS)

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 across medical, dental, nursing, pharmaceutical sciences, and allied health sciences. The institution emphasizes academic excellence, clinical expertise, innovation, and global collaboration in advancing healthcare education.

PROGRAM OVERVIEW

The Fellowship in Movement Disorders & Deep Brain Stimulation (DBS) is a specialized program designed to develop expertise in the diagnosis and advanced management of movement disorders.

The program focuses on:

- Parkinson's disease and related disorders
- Tremors, dystonia, and chorea
- Clinical evaluation of movement disorders
- Deep Brain Stimulation (DBS) procedures and programming
- Neurophysiology and neuroimaging in movement disorders
- Multidisciplinary management including rehabilitation

The program integrates clinical exposure, hands-on procedural training, and advanced neurological care to ensure comprehensive expertise in movement disorders and DBS.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Diagnose and manage movement disorders effectively.
2. Perform and assist in DBS procedures.
3. Apply neurophysiological and imaging techniques.
4. Deliver patient-centered and evidence-based neurological care.

PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose and manage Parkinson's disease and other movement disorders.
2. **Procedural Skills:** Assist and manage DBS implantation and programming.
3. **Diagnostic Skills:** Interpret neuroimaging and electrophysiological studies.
4. **Comprehensive Care:** Provide multidisciplinary management and rehabilitation.
5. **Decision-Making Skills:** Handle complex neurological cases.
6. **Research Orientation:** Contribute to advancements in movement disorders.

COURSE OUTCOMES (COS)

- **CO1:** Understand movement disorders and their pathophysiology.
- **CO2:** Perform clinical evaluation and diagnosis.
- **CO3:** Assist in DBS surgical procedures and programming.
- **CO4:** Apply neurophysiological and imaging techniques.
- **CO5:** Manage long-term care and rehabilitation.

PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in movement disorders and DBS.
2. Apply advanced diagnostic and therapeutic techniques.
3. Integrate clinical, procedural, and research approaches.

PROGRAM DETAILS

- **Certificate Awarded by:** Malla Reddy Vishwavidyapeeth
- **Program Duration:** One-Year Fellowship
- **Mode of Delivery:** Clinical Training + Procedural Exposure + Theoretical Learning

ELIGIBILITY CRITERIA

- **Academic Qualification:** MD/DNB/DM in Neurology or M.Ch/DNB Neurosurgery or equivalent
- **Professional Requirement:** As per institutional norms

KEY FEATURES

- Advanced training in movement disorders and DBS
- Hands-on exposure to DBS procedures and programming
- Training in neurophysiology and imaging

- Focus on Parkinson's disease and related disorders
- Evidence-based neurological practice

LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of movement disorders and DBS

COGNITIVE SKILLS

- Clinical decision-making in neurological disorders

PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in DBS procedures and programming
- Hands-on experience in neurology and neurosurgery units

TRANSFERABLE SKILLS

- Patient counseling and multidisciplinary teamwork

SUBJECT-SPECIFIC SKILLS

- Advanced neurological diagnostics and DBS techniques

CURRICULUM MODULES – THEORY

- Basics of Movement Disorders
- Parkinson's Disease & Related Disorders
- Tremors and Dystonia
- Neurophysiology in Movement Disorders
- Deep Brain Stimulation (DBS)
- Neuroimaging Techniques
- Rehabilitation in Movement Disorders
- Complication Management
- Advances in Movement Disorders
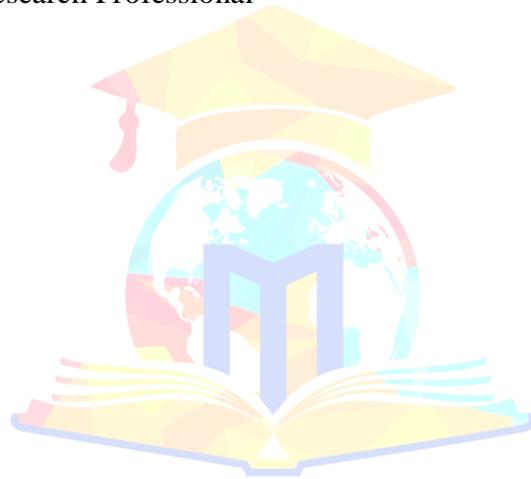

PRACTICAL COURSEWORK

- Clinical evaluation of movement disorders
- DBS surgical assistance and programming

- Neurophysiology and imaging techniques
- Multidisciplinary case discussions
- Long-term patient management
- Research and documentation

CAREER OUTCOMES

Graduates can pursue careers as:

- Movement Disorder Specialist
- DBS Specialist
- Neurologist with Subspecialty Expertise
- Consultant in Neuro Care Centers
- Academic and Research Professional