

FELLOWSHIP IN CLINICAL ENDOCRINOLOGY

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 Endocrinology is a specialized clinical program designed to develop expertise in the diagnosis, management, and prevention of endocrine and metabolic disorders. The program focuses on:

- Endocrine system anatomy and physiology
- Hormonal disorders and metabolic diseases
- Diabetes and related endocrine conditions
- Thyroid, adrenal, and pituitary disorders
- Reproductive endocrinology and hormonal imbalances
- Bone and mineral metabolism disorders

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

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Diagnose and manage endocrine and metabolic disorders effectively.
 2. Apply hormonal and metabolic therapies in clinical practice.
 3. Utilize diagnostic tools for endocrine evaluation.
 4. Deliver evidence-based and patient-centered endocrine care.
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PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose and manage endocrine disorders including diabetes, thyroid diseases, and adrenal disorders.
2. **Diagnostic Proficiency:** Interpret hormonal assays and endocrine investigations.

3. **Therapeutic Skills:** Apply pharmacological and hormonal therapies effectively.
 4. **Metabolic Management:** Manage metabolic disorders such as obesity and osteoporosis.
 5. **Multidisciplinary Care:** Collaborate with specialists in diabetology, gynecology, and internal medicine.
 6. **Preventive Care:** Implement lifestyle and preventive strategies for endocrine health.
 7. **Evidence-Based Practice:** Apply clinical guidelines and research in endocrinology.
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COURSE OUTCOMES (COS)

- **CO1:** Understand endocrine physiology and hormonal regulation.
 - **CO2:** Diagnose and manage endocrine disorders effectively.
 - **CO3:** Interpret hormonal and biochemical investigations.
 - **CO4:** Manage metabolic and hormonal imbalances.
 - **CO5:** Apply preventive and lifestyle-based interventions.
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PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate competency in diagnosis and management of endocrine disorders.
 2. Apply hormonal therapies and diagnostic techniques effectively.
 3. Integrate multidisciplinary approaches in endocrine 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
 - **Professional Requirement:** As per institutional and regulatory guidelines
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KEY FEATURES

- Specialized training in endocrine and metabolic disorders
- Hands-on clinical exposure in endocrinology units
- Training in hormonal assays and diagnostic techniques

- Focus on diabetes, thyroid, and metabolic diseases
 - Integration of endocrinology with internal medicine
 - Exposure to preventive and lifestyle-based care
 - Evidence-based clinical practice
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of endocrine system and hormonal disorders.
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COGNITIVE SKILLS

- Clinical reasoning and decision-making in endocrinology.
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PRACTICAL & PROFESSIONAL SKILLS

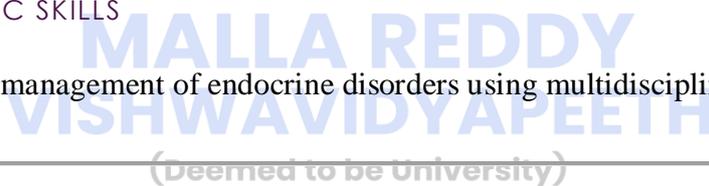
- Proficiency in endocrine diagnosis, evaluation, and patient management.
 - Hands-on experience in endocrinology clinical settings.
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TRANSFERABLE SKILLS

- Patient counseling and communication regarding hormonal health.
 - Clinical documentation and reporting.
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SUBJECT-SPECIFIC SKILLS

- Integrated management of endocrine disorders using multidisciplinary approaches.
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CURRICULUM MODULES – THEORY

- Endocrine Anatomy and Physiology
 - Diabetes and Metabolic Disorders
 - Thyroid Disorders
 - Adrenal and Pituitary Disorders
 - Reproductive Endocrinology
 - Bone and Mineral Metabolism
 - Hormonal Assays and Diagnostic Techniques
 - Obesity and Metabolic Syndrome
 - Endocrine Emergencies
 - Advances in Endocrinology
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PRACTICAL COURSEWORK

- Clinical training in endocrinology departments and units
 - Diagnosis and management of endocrine disorders
 - Interpretation of hormonal investigations
 - Management of diabetes and metabolic conditions
 - Patient counseling and lifestyle management
 - Case documentation and clinical evaluation
 - Interdisciplinary patient care
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CAREER OUTCOMES

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

- Clinical Endocrinologist
- Consultant in Endocrinology Departments
- Diabetes and Metabolic Specialist
- Hormonal Health Specialist
- Clinical Practitioner in Multispecialty Hospitals
- Academic and Research Roles in Endocrinology

