

FELLOWSHIP IN DIABETIC NEPHROLOGY

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 Diabetic Nephrology is a specialized clinical program designed to develop expertise in the diagnosis, management, and prevention of kidney diseases associated with diabetes. The program focuses on:

- Pathophysiology of diabetic nephropathy
- Early detection and screening of kidney disease in diabetes
- Management of chronic kidney disease (CKD) in diabetic patients
- Hypertension and renal complications
- Dialysis and renal replacement therapy in diabetic patients
- Preventive strategies to delay progression of kidney disease

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

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Diagnose and manage diabetic nephropathy effectively.
 2. Apply early detection and preventive strategies in diabetic kidney disease.
 3. Manage complications of chronic kidney disease in diabetic patients.
 4. Deliver evidence-based and patient-centered nephrology care.
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PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose and manage diabetic kidney diseases and related complications.

2. **Early Detection Skills:** Identify early markers of diabetic nephropathy through screening.
 3. **Therapeutic Proficiency:** Apply pharmacological and supportive treatment strategies.
 4. **Dialysis Management:** Manage dialysis and renal replacement therapy in diabetic patients.
 5. **Hypertension Control:** Address blood pressure and cardiovascular risks in CKD.
 6. **Multidisciplinary Care:** Collaborate with diabetologists, nephrologists, and healthcare teams.
 7. **Evidence-Based Practice:** Apply clinical guidelines and research in diabetic nephrology.
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COURSE OUTCOMES (COS)

- **CO1:** Understand pathophysiology of diabetic nephropathy.
 - **CO2:** Diagnose and manage kidney disease in diabetic patients.
 - **CO3:** Interpret renal function tests and diagnostic investigations.
 - **CO4:** Manage CKD and its complications in diabetes.
 - **CO5:** Apply preventive strategies and patient education.
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PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate competency in diagnosing and managing diabetic kidney diseases.
 2. Apply early detection and preventive strategies effectively.
 3. Integrate multidisciplinary approaches in diabetic nephrology 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 / Nephrology / Endocrinology
 - **Professional Requirement:** As per institutional and regulatory guidelines
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KEY FEATURES

- Specialized training in diabetic nephropathy and kidney care
- Hands-on clinical exposure in nephrology and diabetology units
- Focus on early detection and prevention of CKD
- Training in dialysis and renal replacement therapy
- Integration of nephrology with metabolic and cardiovascular care
- Patient-centered and preventive healthcare approach
- Evidence-based clinical practice

LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of diabetic kidney diseases and management strategies.

COGNITIVE SKILLS

- Clinical reasoning in diagnosing and managing diabetic nephropathy.

PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in renal diagnosis, patient management, and dialysis care.
- Hands-on experience in nephrology clinical settings.

TRANSFERABLE SKILLS

- Patient counseling and communication for chronic disease management.
- Clinical documentation and reporting.

SUBJECT-SPECIFIC SKILLS

- Integrated management of diabetic nephropathy using multidisciplinary approaches.

CURRICULUM MODULES – THEORY

- Pathophysiology of Diabetic Nephropathy
- Early Detection and Screening of CKD
- Chronic Kidney Disease in Diabetes
- Hypertension and Renal Complications
- Renal Function Tests and Diagnostics
- Dialysis and Renal Replacement Therapy
- Cardiovascular Risks in Diabetic Nephropathy
- Pharmacological Management

- Preventive Strategies and Lifestyle Modification
 - Advances in Diabetic Nephrology
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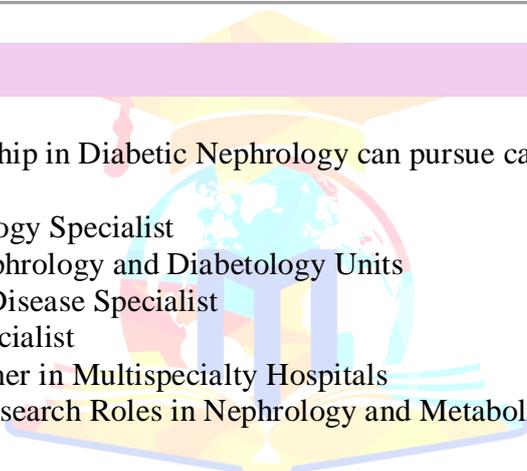
PRACTICAL COURSEWORK

- Clinical training in nephrology and diabetology departments
 - Diagnosis and management of diabetic kidney diseases
 - Interpretation of renal investigations and imaging
 - Dialysis procedures and patient monitoring
 - Management of CKD complications
 - Patient counseling and lifestyle interventions
 - Case documentation and clinical evaluation
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CAREER OUTCOMES

Graduates of the Fellowship in Diabetic Nephrology can pursue careers as:

- Diabetic Nephrology Specialist
- Consultant in Nephrology and Diabetology Units
- Chronic Kidney Disease Specialist
- Dialysis Unit Specialist
- Clinical Practitioner in Multispecialty Hospitals
- Academic and Research Roles in Nephrology and Metabolic Medicine



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(Deemed to be University)