FELLOWSHIP IN RENAL PATHOLOGY

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 Renal Pathology is a one-year intensive program designed to train healthcare professionals in the diagnosis and evaluation of kidney diseases.

The program focuses on:
• Glomerular, tubular, interstitial, and vascular renal diseases
• Native and transplant kidney biopsies
• Immunofluorescence and electron microscopy
• Renal pathology in systemic diseases
• Clinicopathological correlation
• Molecular diagnostics in renal pathology

The program integrates laboratory training, clinical exposure, and advanced diagnostic techniques to ensure comprehensive expertise in renal pathology.

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PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Develop expertise in renal pathology diagnostics.
2. Interpret kidney biopsy findings accurately.
3. Apply immunofluorescence and advanced diagnostic techniques.
4. Diagnose various renal diseases including glomerular disorders.
5. Integrate pathological findings with clinical nephrology.
6. Maintain quality standards in reporting.
7. Conduct research in renal pathology.

PROGRAM OUTCOMES (POS)

1. Diagnostic Expertise: Evaluate renal diseases accurately.
2. Laboratory Skills: Interpret kidney biopsies effectively.
3. Technical Skills: Apply immunofluorescence and microscopy techniques.
4. Clinical Integration: Correlate pathology with nephrology findings.
5. Quality Assurance: Ensure standardized reporting systems.
6. Research Orientation: Contribute to advancements in renal pathology.

COURSE OUTCOMES (COS)

• CO1: Diagnose renal diseases.
• CO2: Interpret kidney biopsy findings.
• CO3: Apply immunofluorescence techniques.
• CO4: Understand electron microscopy applications.
• CO5: Integrate pathology with clinical practice.

PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in renal pathology.
2. Apply advanced diagnostic techniques.
3. Integrate laboratory findings with clinical evaluation.

PROGRAM DETAILS

• Certificate Awarded by: Malla Reddy Vishwavidyapeeth
• Program Duration: One-Year Fellowship
• Mode of Delivery: Laboratory + Clinical + Theoretical Training

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ELIGIBILITY CRITERIA

• Academic Qualification: MBBS with MD/DNB in Pathology or equivalent
• Professional Requirement: As per institutional norms

KEY FEATURES

• Advanced training in renal pathology
• Hands-on exposure to kidney biopsy evaluation

• Training in immunofluorescence and microscopy
• Focus on accurate diagnosis and reporting
• Evidence-based pathology practice

LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

• Comprehensive understanding of renal diseases

COGNITIVE SKILLS

• Analytical decision-making in renal pathology

PRACTICAL & PROFESSIONAL SKILLS

• Proficiency in biopsy evaluation and lab techniques
• Hands-on experience in diagnostic labs

TRANSFERABLE SKILLS

• Clinical correlation and reporting

SUBJECT-SPECIFIC SKILLS

• Advanced renal pathology diagnostic techniques

CURRICULUM MODULES – THEORY

SEMESTER 1: FUNDAMENTALS OF RENAL PATHOLOGY

• Renal Anatomy & Physiology
• Glomerular Diseases
• Tubulointerstitial Disorders
• Laboratory Techniques
• Immunofluorescence
• Clinical Rotations

SEMESTER 2: ADVANCED RENAL PATHOLOGY

• Transplant Pathology
• Systemic Diseases Affecting Kidney
• Electron Microscopy

• Molecular Diagnostics
• Case Studies & Reporting
• Research Project

PRACTICAL COURSEWORK

• Kidney biopsy evaluation
• Immunofluorescence studies
• Microscopy techniques
• Case discussions
• Reporting and documentation
• Research work

CAREER OUTCOMES

Graduates can pursue careers as:
• Renal Pathologist
• Diagnostic Pathologist
• Laboratory Specialist
• Clinical Researcher
• Academic and Research Professional