

FELLOWSHIP IN PAEDIATRIC 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 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 Paediatric Nephrology is a one-year advanced program designed to train healthcare professionals in the diagnosis and management of kidney disorders in infants and children.

The program focuses on:

- Acute and chronic kidney diseases
- Nephrotic syndrome and glomerular disorders
- Pediatric dialysis and renal replacement therapy
- Electrolyte and fluid balance disorders
- Congenital and hereditary kidney diseases
- Renal transplantation and follow-up care

The program integrates clinical training, hands-on exposure, and advanced diagnostic techniques to ensure comprehensive expertise in paediatric nephrology.

Department-of-Pediatrics_compre...
(Deemed to be University)

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Develop expertise in paediatric nephrology.
 2. Diagnose and manage kidney disorders in children.
 3. Perform and manage dialysis procedures.
 4. Interpret laboratory and imaging findings.
 5. Manage renal transplant patients and follow-up care.
 6. Provide long-term care and counselling for paediatric patients.
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PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Manage paediatric renal diseases effectively.
 2. **Diagnostic Skills:** Interpret renal investigations and imaging.
 3. **Procedural Skills:** Perform dialysis and renal procedures.
 4. **Transplant Care:** Manage post-transplant patients.
 5. **Fluid & Electrolyte Management:** Handle metabolic imbalances.
 6. **Research Orientation:** Contribute to paediatric nephrology research.
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COURSE OUTCOMES (COS)

- CO1: Diagnose paediatric kidney diseases.
 - CO2: Manage dialysis and renal replacement therapy.
 - CO3: Interpret lab and imaging findings.
 - CO4: Manage electrolyte and fluid disorders.
 - CO5: Integrate clinical nephrology practices.
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PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in paediatric nephrology.
 2. Apply advanced diagnostic and therapeutic techniques.
 3. Integrate clinical practice with renal care.
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PROGRAM DETAILS

- Certificate Awarded by: Malla Reddy Vishwavidyapeeth
 - Program Duration: One-Year Fellowship (to be University)
 - Mode of Delivery: Clinical + Dialysis Unit + Theoretical Training
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ELIGIBILITY CRITERIA

- Academic Qualification: MD/DNB Paediatrics or equivalent
 - Professional Requirement: As per institutional norms
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KEY FEATURES

- Advanced training in paediatric nephrology
- Hands-on exposure to dialysis and renal care

- Training in transplant and follow-up management
 - Focus on chronic kidney disease management
 - Evidence-based nephrology practice
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of paediatric kidney diseases
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COGNITIVE SKILLS

- Clinical decision-making in paediatric nephrology
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PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in dialysis and renal procedures
 - Hands-on experience in nephrology units
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TRANSFERABLE SKILLS

- Patient and family counselling
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SUBJECT-SPECIFIC SKILLS

- Advanced paediatric nephrology diagnostic and treatment techniques
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CURRICULUM MODULES – THEORY

SEMESTER 1: FUNDAMENTALS OF PAEDIATRIC NEPHROLOGY

- Basics of Paediatric Nephrology
 - Glomerular Diseases
 - Nephrotic Syndrome
 - Fluid & Electrolyte Balance
 - Renal Imaging
 - Clinical Rotations
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SEMESTER 2: ADVANCED PAEDIATRIC NEPHROLOGY

- Dialysis & Renal Replacement Therapy
- Chronic Kidney Disease
- Renal Transplantation

- Congenital Kidney Disorders
 - Case Studies
 - Research Project
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PRACTICAL COURSEWORK

- Dialysis procedures
 - Renal case management
 - Laboratory and imaging interpretation
 - Clinical discussions
 - Case documentation
 - Research work
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CAREER OUTCOMES

Graduates can pursue careers as:

- Paediatric Nephrologist
- Renal Specialist
- Dialysis Specialist
- Clinical Researcher
- Academic and Teaching Professional

