

## FELLOWSHIP IN PAEDIATRIC RESPIRATORY MEDICINE

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### 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.

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### PROGRAM OVERVIEW

The Fellowship in Paediatric Respiratory Medicine is a one-year advanced program designed to train healthcare professionals in the diagnosis and management of respiratory disorders in infants and children.

The program focuses on:

- Acute and chronic respiratory diseases
- Bronchial asthma and allergic airway diseases
- Pediatric pulmonary infections including tuberculosis
- Pulmonary function testing and interpretation
- Bronchoscopy and respiratory procedures
- Neonatal and paediatric respiratory care

The program integrates clinical training, procedural exposure, and advanced diagnostic techniques to ensure comprehensive expertise in paediatric respiratory medicine.

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(Deemed to be University)

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### PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Develop expertise in paediatric respiratory medicine.
  2. Diagnose and manage respiratory disorders in children.
  3. Perform and interpret pulmonary function tests.
  4. Conduct bronchoscopy and related procedures.
  5. Manage respiratory emergencies and critical care.
  6. Provide long-term respiratory care and follow-up.
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## PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Manage paediatric respiratory conditions.
  2. **Diagnostic Skills:** Interpret pulmonary function tests and imaging.
  3. **Procedural Skills:** Perform bronchoscopy and respiratory procedures.
  4. **Emergency Care:** Handle respiratory emergencies effectively.
  5. **Chronic Care:** Manage long-term respiratory diseases.
  6. **Research Orientation:** Contribute to paediatric respiratory research.
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## COURSE OUTCOMES (COS)

- CO1: Diagnose paediatric respiratory diseases.
  - CO2: Perform pulmonary function testing.
  - CO3: Conduct bronchoscopy procedures.
  - CO4: Manage respiratory emergencies.
  - CO5: Integrate clinical and diagnostic respiratory practices.
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## PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in paediatric respiratory medicine.
  2. Apply advanced diagnostic and procedural techniques.
  3. Integrate clinical practice with respiratory 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 + Pulmonary Lab + 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 respiratory medicine
- Hands-on exposure to pulmonary diagnostics and procedures

- Training in bronchoscopy and critical care
  - Focus on asthma and chronic lung diseases
  - Evidence-based respiratory practice
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## LEARNING OUTCOMES

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### KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of paediatric respiratory diseases
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### COGNITIVE SKILLS

- Clinical decision-making in paediatric respiratory care
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### PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in pulmonary function testing and procedures
  - Hands-on experience in clinical and lab settings
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### TRANSFERABLE SKILLS

- Patient and family counselling
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### SUBJECT-SPECIFIC SKILLS

- Advanced paediatric respiratory diagnostic and therapeutic techniques
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## CURRICULUM MODULES – THEORY

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### SEMESTER 1: FUNDAMENTALS OF PAEDIATRIC RESPIRATORY MEDICINE

- Basics of Respiratory Medicine
  - Asthma & Allergic Diseases
  - Pulmonary Infections
  - Pulmonary Function Testing
  - Clinical Rotations
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### SEMESTER 2: ADVANCED PAEDIATRIC RESPIRATORY MEDICINE

- Bronchoscopy
- Chronic Lung Diseases
- Respiratory Critical Care
- Neonatal Respiratory Care

- Case Studies
  - Research Project
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#### PRACTICAL COURSEWORK

- Pulmonary function testing
  - Bronchoscopy procedures
  - Clinical case management
  - Emergency care
  - Case discussions
  - Research and documentation
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#### CAREER OUTCOMES

Graduates can pursue careers as:

- Paediatric Pulmonologist
- Respiratory Specialist
- Clinical Specialist
- Clinical Researcher
- Academic and Teaching Professional



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