

## FELLOWSHIP IN PAEDIATRIC SURGERY

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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 Surgery is a specialized program designed to develop expertise in the surgical management of congenital and acquired conditions in infants, children, and adolescents.

The program focuses on:

- Pediatric surgical anatomy and physiology
- Neonatal surgery and congenital anomalies
- Pediatric gastrointestinal and urological surgeries
- Pediatric trauma and emergency surgery
- Minimally invasive pediatric surgical techniques
- Preoperative and postoperative pediatric care

The program integrates **clinical exposure, surgical training, and hands-on procedures**, ensuring comprehensive expertise in pediatric surgical care.

(Deemed to be University)

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### PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Diagnose and manage pediatric surgical conditions effectively.
  2. Perform pediatric surgical procedures with precision and safety.
  3. Apply minimally invasive surgical techniques in children.
  4. Deliver patient-centered and evidence-based pediatric care.
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### PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose and manage surgical conditions in pediatric patients.

2. **Surgical Skills:** Perform neonatal and pediatric surgical procedures.
  3. **Minimally Invasive Techniques:** Apply laparoscopic techniques in pediatric surgery.
  4. **Emergency Management:** Handle pediatric trauma and surgical emergencies.
  5. **Neonatal Care:** Manage congenital anomalies and neonatal surgical cases.
  6. **Multidisciplinary Approach:** Collaborate with pediatricians and neonatologists.
  7. **Evidence-Based Practice:** Apply updated pediatric surgical guidelines.
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#### COURSE OUTCOMES (COS)

- **CO1:** Understand pediatric surgical anatomy and principles.
  - **CO2:** Perform pediatric surgical procedures effectively.
  - **CO3:** Apply minimally invasive techniques in pediatric surgery.
  - **CO4:** Manage pediatric emergencies and congenital conditions.
  - **CO5:** Ensure comprehensive patient care and recovery.
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#### PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in pediatric surgical procedures.
  2. Apply advanced surgical and minimally invasive techniques effectively.
  3. Integrate multidisciplinary approaches in pediatric surgical care.
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#### PROGRAM DETAILS

- **Certificate Awarded by:** Malla Reddy Vishwavidyapeeth
- **Program Duration:** One-Year Fellowship
- **Mode of Delivery:** Clinical Training + Surgical Exposure + Theoretical Learning

(Deemed to be University)

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#### ELIGIBILITY CRITERIA

- **Academic Qualification:** MBBS with MS/DNB in General Surgery or equivalent
  - **Professional Requirement:** As per institutional norms
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#### KEY FEATURES

- Specialized training in pediatric surgery
- Hands-on exposure to neonatal and pediatric procedures
- Training in minimally invasive pediatric surgery
- Focus on congenital anomalies and emergency care
- Exposure to pediatric ICU and postoperative care

- Integration of surgery with pediatric medicine
  - Evidence-based clinical practice
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## LEARNING OUTCOMES

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### KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of pediatric surgical conditions and management.
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### COGNITIVE SKILLS

- Clinical decision-making in complex pediatric surgical cases.
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### PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in pediatric surgical procedures.
  - Hands-on experience in OT and pediatric units.
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### TRANSFERABLE SKILLS

- Communication with children and caregivers.
  - Multidisciplinary teamwork and coordination.
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### SUBJECT-SPECIFIC SKILLS

- Advanced pediatric surgical and minimally invasive techniques.
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## CURRICULUM MODULES – THEORY

- Pediatric Surgical Anatomy and Physiology
  - Neonatal Surgery and Congenital Anomalies
  - Pediatric Gastrointestinal Surgery
  - Pediatric Urology
  - Pediatric Trauma and Emergency Surgery
  - Minimally Invasive Pediatric Surgery
  - Pediatric Oncology
  - Critical Care in Pediatric Surgery
  - Postoperative Care and Complications
  - Advances in Pediatric Surgery
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## PRACTICAL COURSEWORK

- Clinical training in pediatric surgical units
  - Neonatal and pediatric surgical procedures
  - Management of congenital anomalies
  - Pediatric emergency and trauma care
  - Minimally invasive surgical techniques
  - Preoperative and postoperative patient care
  - Case documentation and clinical evaluation
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## CAREER OUTCOMES

Graduates of the Fellowship in Paediatric Surgery can pursue careers as:

- Pediatric Surgeon
- Neonatal Surgery Specialist
- Pediatric Surgical Consultant
- Clinical Practitioner in Children's Hospitals
- Academic and Research Roles in Pediatric Surgery

