

FELLOWSHIP IN LAPAROSCOPIC SURGERY

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 Laparoscopic Surgery is a specialized program designed to develop expertise in performing minimally invasive surgical procedures using laparoscopic techniques.

The program focuses on:

- Principles of laparoscopic surgery
- Basic and advanced laparoscopic procedures
- Instrumentation and energy devices
- GI, hepatobiliary, and general surgical procedures
- Patient safety and complication management
- Preoperative and postoperative care

The program integrates **clinical exposure, simulation training, and hands-on surgical procedures**, ensuring comprehensive expertise in laparoscopic surgery.

(Deemed to be University)

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Perform laparoscopic surgical procedures effectively.
 2. Apply advanced minimally invasive techniques.
 3. Ensure patient safety and improved recovery outcomes.
 4. Deliver patient-centered and evidence-based care.
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PROGRAM OUTCOMES (POS)

1. **Surgical Expertise:** Perform basic and advanced laparoscopic procedures.

2. **Technical Skills:** Utilize laparoscopic instruments and energy devices effectively.
3. **Clinical Decision-Making:** Select appropriate minimally invasive approaches.
4. **Patient Safety:** Minimize complications and improve recovery.
5. **Multidisciplinary Approach:** Collaborate across surgical specialties.
6. **Innovation:** Adapt to evolving laparoscopic and minimally invasive technologies.
7. **Evidence-Based Practice:** Apply current laparoscopic surgical guidelines.

COURSE OUTCOMES (COS)

- **CO1:** Understand principles of laparoscopic surgery.
- **CO2:** Perform laparoscopic procedures effectively.
- **CO3:** Apply advanced instrumentation and techniques.
- **CO4:** Manage complications and surgical outcomes.
- **CO5:** Ensure comprehensive patient care and recovery.

PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in laparoscopic surgical procedures.
2. Apply advanced minimally invasive techniques effectively.
3. Integrate multidisciplinary approaches in surgical care.

PROGRAM DETAILS

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

(Deemed to be University)

ELIGIBILITY CRITERIA

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

KEY FEATURES

- Specialized training in laparoscopic surgery
- Hands-on exposure to basic and advanced laparoscopic procedures
- Training in surgical instruments and energy devices
- Focus on patient safety and faster recovery
- Exposure to GI and hepatobiliary laparoscopic surgeries

- Integration of minimally invasive techniques in surgical practice
 - Evidence-based clinical practice
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of laparoscopic surgical principles.
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COGNITIVE SKILLS

- Clinical decision-making in minimally invasive surgical cases.
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PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in laparoscopic surgical procedures.
 - Hands-on experience in OT and simulation labs.
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TRANSFERABLE SKILLS

- Communication and patient counseling skills.
 - Multidisciplinary teamwork and coordination.
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SUBJECT-SPECIFIC SKILLS

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

- Principles of Laparoscopic Surgery
 - Basic and Advanced Laparoscopic Procedures
 - Instrumentation and Energy Devices
 - GI and Hepatobiliary Laparoscopic Surgery
 - Complications and Risk Management
 - Patient Safety and Surgical Outcomes
 - Preoperative and Postoperative Care
 - Simulation-Based Surgical Training
 - Minimally Invasive Surgical Advances
 - Emerging Technologies in Laparoscopy
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PRACTICAL COURSEWORK

- Clinical training in laparoscopic surgery units
 - Basic and advanced laparoscopic procedures
 - Simulation-based surgical training
 - Use of laparoscopic instruments and devices
 - Management of surgical cases and complications
 - Preoperative and postoperative patient care
 - Case documentation and clinical evaluation
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CAREER OUTCOMES

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

- Laparoscopic Surgeon
- Minimal Invasive Surgery Specialist
- General Surgery Consultant
- Surgical Specialist in Tertiary Care Hospitals
- Academic and Research Roles in Surgery

