

FELLOWSHIP IN TRAUMA 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 Trauma Surgery is a specialized program designed to develop expertise in the surgical management of trauma and emergency conditions.

The program focuses on:

- Principles of trauma and emergency surgery
- Management of polytrauma and multi-organ injuries
- Advanced trauma life support (ATLS) protocols
- Surgical management of head, thoracic, abdominal, and limb injuries
- Damage control surgery and critical care
- Prehospital and emergency trauma care

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

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PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Provide rapid and effective surgical care in trauma situations.
 2. Manage polytrauma and life-threatening injuries.
 3. Apply advanced trauma life support and resuscitation techniques.
 4. Deliver evidence-based and patient-centered emergency care.
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PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose and manage traumatic injuries effectively.
2. **Surgical Skills:** Perform emergency surgical procedures in trauma cases.

3. **Resuscitation Skills:** Apply ATLS protocols and life-saving interventions.
 4. **Critical Care Skills:** Manage trauma patients in ICU settings.
 5. **Emergency Management:** Handle mass casualty and disaster situations.
 6. **Multidisciplinary Approach:** Collaborate with emergency and critical care teams.
 7. **Evidence-Based Practice:** Apply updated trauma care guidelines.
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COURSE OUTCOMES (COS)

- **CO1:** Understand principles of trauma surgery and emergency care.
 - **CO2:** Perform surgical procedures in trauma cases effectively.
 - **CO3:** Apply trauma resuscitation and life support techniques.
 - **CO4:** Manage polytrauma and critical injuries.
 - **CO5:** Ensure comprehensive patient care and recovery.
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PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in trauma surgical procedures.
 2. Apply advanced trauma care and resuscitation techniques.
 3. Integrate multidisciplinary approaches in emergency and trauma care.
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PROGRAM DETAILS

- **Certificate Awarded by:** Malla Reddy Vishwavidyapeeth
 - **Program Duration:** One-Year Fellowship
 - **Mode of Delivery:** Emergency Training + Surgical Exposure + Theoretical Learning
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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 trauma and emergency surgery
- Hands-on exposure to emergency and trauma procedures
- Training in ATLS protocols and resuscitation techniques
- Focus on polytrauma and multi-organ injury management
- Exposure to ICU and critical care for trauma patients
- Integration of surgery with emergency medicine

- Evidence-based clinical practice
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of trauma and emergency surgical care.
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COGNITIVE SKILLS

- Rapid clinical decision-making in emergency situations.
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PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in trauma surgical procedures and emergency care.
 - Hands-on experience in OT, ER, and ICU settings.
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TRANSFERABLE SKILLS

- Team coordination in high-pressure environments.
 - Communication and leadership in emergency care.
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SUBJECT-SPECIFIC SKILLS

- Advanced trauma surgery and critical care techniques.
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CURRICULUM MODULES – THEORY

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- Principles of Trauma Surgery
 - Advanced Trauma Life Support (ATLS)
 - Polytrauma and Multi-Organ Injury Management
 - Head, Thoracic, and Abdominal Trauma
 - Orthopedic and Limb Injuries
 - Damage Control Surgery
 - Critical Care in Trauma
 - Emergency and Prehospital Care
 - Disaster and Mass Casualty Management
 - Advances in Trauma Surgery
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PRACTICAL COURSEWORK

- Clinical training in trauma and emergency units

- Emergency surgical procedures and interventions
- Trauma resuscitation and life support
- Management of polytrauma cases
- ICU care for trauma patients
- Disaster simulations and emergency drills
- Case documentation and clinical evaluation

CAREER OUTCOMES

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

- Trauma Surgeon
- Emergency Surgery Specialist
- Critical Care and Trauma Consultant
- Specialist in Trauma Centers and Hospitals
- Academic and Research Roles in Trauma Surgery

