

FELLOWSHIP IN VASCULAR & ENDOVASCULAR 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, engineering, and allied health sciences. The institution emphasizes academic excellence, clinical proficiency, innovation, and global collaborations, contributing significantly to advanced healthcare education and training.

PROGRAM OVERVIEW

The Fellowship in Vascular & Endovascular Surgery is a specialized program designed to develop expertise in the diagnosis and management of vascular diseases using both open surgical and minimally invasive endovascular techniques.

The program focuses on:

- Vascular anatomy and pathophysiology
- Peripheral arterial and venous diseases
- Aneurysms and vascular trauma
- Endovascular interventions (angioplasty, stenting)
- Vascular imaging and diagnostics
- Limb salvage and critical ischemia management

The program integrates **clinical exposure, surgical training, and hands-on endovascular procedures**, ensuring advanced competency in vascular surgery.

(Deemed to be University)

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Diagnose and manage vascular diseases effectively.
 2. Perform open and endovascular surgical procedures.
 3. Apply imaging techniques for vascular evaluation.
 4. Deliver evidence-based and patient-centered vascular care.
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PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose and manage arterial, venous, and lymphatic disorders.

2. **Surgical Skills:** Perform open vascular surgeries and bypass procedures.
 3. **Endovascular Proficiency:** Conduct angioplasty, stenting, and catheter-based interventions.
 4. **Diagnostic Skills:** Interpret vascular imaging such as Doppler, CT angiography, and MR angiography.
 5. **Limb Salvage:** Manage critical limb ischemia and prevent amputations.
 6. **Multidisciplinary Approach:** Collaborate with cardiologists, radiologists, and critical care teams.
 7. **Evidence-Based Practice:** Apply current guidelines in vascular and endovascular surgery.
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COURSE OUTCOMES (COS)

- **CO1:** Understand vascular anatomy and disease mechanisms.
 - **CO2:** Diagnose and manage vascular disorders.
 - **CO3:** Perform open and endovascular procedures.
 - **CO4:** Interpret vascular imaging and diagnostics.
 - **CO5:** Manage limb-threatening vascular conditions effectively.
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PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in vascular and endovascular surgical techniques.
 2. Apply minimally invasive and open surgical approaches effectively.
 3. Integrate multidisciplinary care in vascular disease management.
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PROGRAM DETAILS

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

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

- Advanced training in vascular and endovascular surgery
 - Hands-on exposure to open and minimally invasive procedures
 - Training in angioplasty, stenting, and catheter-based techniques
 - Focus on arterial, venous, and peripheral vascular diseases
 - Exposure to vascular imaging and diagnostics
 - Integration of surgery with interventional techniques
 - Evidence-based clinical practice
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of vascular diseases and surgical techniques.
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COGNITIVE SKILLS

- Clinical decision-making in vascular and endovascular interventions.
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PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in open vascular and endovascular procedures.
 - Hands-on experience in operating theatres and cath labs.
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TRANSFERABLE SKILLS

- Patient counseling and perioperative management skills.
 - Clinical documentation and multidisciplinary coordination.
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SUBJECT-SPECIFIC SKILLS

- Advanced vascular surgical and endovascular intervention techniques.
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CURRICULUM MODULES – THEORY

- Vascular Anatomy and Physiology
- Peripheral Arterial Disease
- Venous Disorders and Thrombosis
- Aneurysms and Vascular Trauma
- Endovascular Techniques (Angioplasty & Stenting)
- Vascular Imaging (Doppler, CT, MRI)
- Limb Salvage and Critical Ischemia
- Surgical Bypass Techniques
- Complications and Risk Management
- Advances in Vascular Surgery

PRACTICAL COURSEWORK

- Hands-on training in vascular and endovascular units
- Open vascular surgeries and bypass procedures
- Angioplasty and stenting procedures
- Vascular imaging and diagnostic interpretation
- Management of vascular emergencies and limb ischemia
- Pre- and post-operative patient care
- Case documentation and clinical evaluation

CAREER OUTCOMES

Graduates of the Fellowship in Vascular & Endovascular Surgery can pursue careers as:

- Vascular Surgeon
- Endovascular Specialist
- Peripheral Vascular Intervention Consultant
- Clinical Practitioner in Tertiary Care Hospitals
- Academic and Research Roles in Vascular Surgery

