

## FELLOWSHIP IN VASCULAR 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 Vascular Surgery is a specialized program designed to develop expertise in the surgical and endovascular management of diseases affecting the vascular system, including arteries, veins, and lymphatic vessels.

The program focuses on:

- Vascular anatomy and physiology
- Management of arterial and venous disorders
- Aneurysm and peripheral vascular disease treatment
- Endovascular and minimally invasive vascular procedures
- Management of vascular trauma and emergencies
- Preoperative and postoperative vascular care

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

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### PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Diagnose and manage vascular disorders requiring surgical intervention.
  2. Perform vascular and endovascular procedures with precision.
  3. Apply minimally invasive and advanced vascular techniques.
  4. Deliver patient-centered and evidence-based surgical care.
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### PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose and manage vascular diseases effectively.

2. **Surgical Skills:** Perform vascular surgeries including bypass and aneurysm repair.
  3. **Endovascular Techniques:** Apply minimally invasive vascular procedures.
  4. **Emergency Management:** Handle vascular trauma and acute conditions.
  5. **Diagnostic Skills:** Utilize imaging for vascular assessment and planning.
  6. **Multidisciplinary Approach:** Collaborate with cardiologists and radiologists.
  7. **Evidence-Based Practice:** Apply updated vascular surgery guidelines.
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#### COURSE OUTCOMES (COS)

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

1. Demonstrate expertise in vascular surgical procedures.
  2. Apply advanced endovascular and imaging techniques.
  3. Integrate multidisciplinary approaches in vascular 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

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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

- Advanced training in vascular surgery
- Hands-on exposure to open and endovascular procedures
- Training in minimally invasive vascular techniques
- Focus on aneurysms, peripheral vascular disease, and vascular trauma
- Exposure to vascular imaging and diagnostics

- Integration of surgery with interventional radiology
  - Evidence-based clinical practice
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## LEARNING OUTCOMES

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### KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of vascular diseases and surgical management.
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### COGNITIVE SKILLS

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

- Proficiency in vascular surgical and endovascular procedures.
  - Hands-on experience in OT and clinical settings.
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### TRANSFERABLE SKILLS

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

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

- Vascular Anatomy and Physiology
  - Arterial and Venous Diseases
  - Aneurysms and Peripheral Vascular Disease
  - Endovascular Techniques
  - Vascular Trauma and Emergency Surgery
  - Diagnostic Imaging in Vascular Surgery
  - Bypass Surgery and Reconstruction
  - Postoperative Care and Complications
  - Anticoagulation and Medical Management
  - Advances in Vascular Surgery
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## PRACTICAL COURSEWORK

- Clinical training in vascular surgery units
  - Open and endovascular vascular procedures
  - Management of vascular emergencies
  - Vascular imaging and diagnostic procedures
  - Preoperative and postoperative patient care
  - Case discussions and clinical evaluation
  - Case documentation and surgical assessment
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## CAREER OUTCOMES

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

- Vascular Surgeon
- Endovascular Specialist
- Peripheral Vascular Disease Specialist
- Surgical Consultant in Tertiary Care Hospitals
- Academic and Research Roles in Vascular Surgery

