

FELLOWSHIP IN VASCULAR INTERVENTIONAL RADIOLOGY

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 Vascular Interventional Radiology is a one-year advanced program designed to train healthcare professionals in minimally invasive, image-guided vascular diagnostic and therapeutic procedures.

The program focuses on:

- Imaging-guided vascular interventions using fluoroscopy, ultrasound, CT, and MRI
- Angiography, angioplasty, stenting, and embolization techniques
- Management of peripheral arterial disease (PAD)
- Treatment of venous disorders including varicose veins and venous insufficiency
- Endovascular repair of aneurysms
- Patient safety, radiation protection, and ethical practice

The program integrates clinical training, procedural expertise, and research to ensure comprehensive competency in vascular interventional radiology.

(Deemed to be University)

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Perform image-guided vascular interventional procedures.
 2. Apply advanced vascular imaging techniques for diagnosis and treatment.
 3. Manage peripheral arterial and venous diseases effectively.
 4. Perform endovascular procedures including aneurysm repair.
 5. Ensure patient safety and radiation protection.
 6. Address ethical considerations in vascular interventions.
 7. Conduct research in vascular interventional radiology.
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PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Perform vascular interventional procedures effectively.
2. **Imaging Skills:** Utilize angiography, CTA, MRA, and ultrasound.
3. **Vascular Skills:** Manage PAD, aneurysms, and vascular disorders.
4. **Endovascular Expertise:** Perform stenting and aneurysm repairs.
5. **Procedural Skills:** Conduct endovenous and embolization procedures.
6. **Safety Awareness:** Ensure radiation safety and patient care standards.
7. **Research Orientation:** Contribute to advancements in vascular IR.

COURSE OUTCOMES (COS)

- CO1: Perform vascular interventional procedures independently.
- CO2: Apply imaging techniques for vascular diagnosis and treatment.
- CO3: Manage peripheral arterial and venous diseases.
- CO4: Perform endovascular aneurysm repair procedures.
- CO5: Integrate clinical and procedural decision-making.

PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in vascular interventional radiology.
2. Apply advanced imaging and procedural techniques.
3. Integrate multidisciplinary approaches in vascular care.

PROGRAM DETAILS

- Certificate Awarded by: Malla Reddy Vishwavidyapeeth
- Program Duration: One-Year Fellowship
- Mode of Delivery: Clinical + Theoretical + Hands-on Training

ELIGIBILITY CRITERIA

- Academic Qualification: MD in Radiology / Surgery or equivalent
- Professional Requirement: As per institutional norms

KEY FEATURES

- Advanced training in vascular interventional radiology
- Hands-on exposure to vascular and endovascular procedures
- Training in PAD, aneurysm repair, and venous interventions
- Focus on minimally invasive vascular therapies

- Emphasis on patient safety and radiation protection
 - Evidence-based and technology-driven practice
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of vascular diseases and interventions
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COGNITIVE SKILLS

- Clinical decision-making in vascular interventional procedures
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PRACTICAL & PROFESSIONAL SKILLS

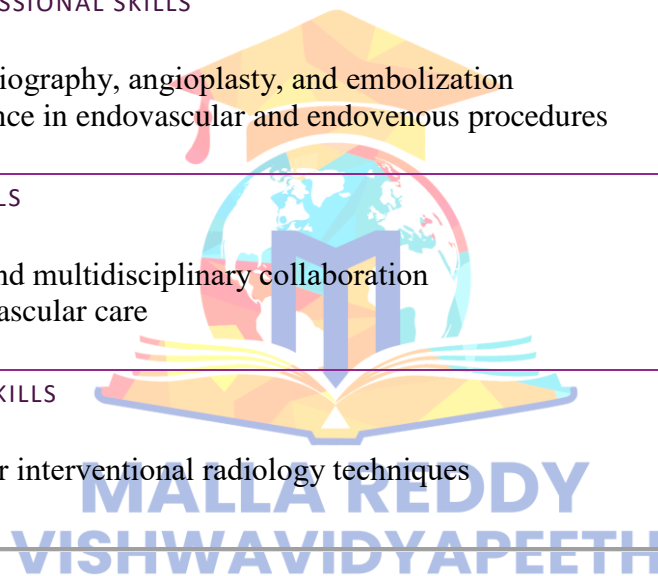
- Proficiency in angiography, angioplasty, and embolization
 - Hands-on experience in endovascular and endovenous procedures
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TRANSFERABLE SKILLS

- Communication and multidisciplinary collaboration
 - Patient-centered vascular care
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SUBJECT-SPECIFIC SKILLS

- Advanced vascular interventional radiology techniques
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CURRICULUM MODULES – THEORY

SEMESTER 1: FUNDAMENTALS OF VASCULAR INTERVENTIONAL RADIOLOGY

- Introduction to Vascular Interventional Radiology
 - Basic Vascular Imaging (Angiography, CTA, MRA, Ultrasound)
 - Peripheral Arterial Disease (PAD) Management
 - Venous Interventions (EVLT, Sclerotherapy)
 - Aneurysms and Endovascular Repair
 - Clinical Rotations
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SEMESTER 2: ADVANCED VASCULAR INTERVENTIONS

- Endovenous and Endovascular Procedures
- Aortic and Renal Interventions
- Management of Venous Diseases (DVT, IVC Filters)

- Oncology and Vascular Interventions
 - Research Project & Case Studies
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PRACTICAL COURSEWORK

- Angioplasty, stenting, and embolization procedures
 - Endovenous treatments (EVLT, sclerotherapy)
 - Endovascular aneurysm repair (EVAR)
 - Vascular imaging interpretation and planning
 - Clinical case discussions and procedural decision-making
 - Documentation and clinical logbook
 - Research and dissertation work
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CAREER OUTCOMES

Graduates can pursue careers as:

- Vascular Interventional Radiologist
- Endovascular Specialist
- Vascular Disease Consultant
- Interventional Radiology Specialist
- Academic and Research Professional



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