

FELLOWSHIP IN MICRO VASCULAR RECONSTRUCTIVE 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 Micro Vascular Reconstructive Surgery is a specialized program designed to develop expertise in reconstructive procedures using microsurgical techniques for restoration of form and function.

The program focuses on:

- Principles of microsurgery and tissue reconstruction
- Microvascular anastomosis techniques
- Free flap and pedicled flap surgeries
- Reconstruction after trauma, cancer, and congenital defects
- Head & neck, limb, and soft tissue reconstruction
- Post-operative care and functional rehabilitation

The program integrates **advanced surgical training, clinical exposure, and hands-on microsurgical practice**, ensuring high-level competency in reconstructive surgery.

(Deemed to be University)

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Perform microvascular reconstructive surgical procedures effectively.
 2. Apply microsurgical techniques for tissue repair and reconstruction.
 3. Manage complex reconstructive cases following trauma and cancer.
 4. Deliver safe, evidence-based, and patient-centered surgical care.
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PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose and manage reconstructive surgical needs in various conditions.
 2. **Surgical Skills:** Perform microvascular anastomosis and flap surgeries with precision.
 3. **Reconstructive Proficiency:** Restore form and function in head & neck, limb, and soft tissue defects.
 4. **Technical Precision:** Utilize microsurgical instruments and techniques effectively.
 5. **Perioperative Care:** Manage pre-operative planning and post-operative recovery.
 6. **Multidisciplinary Approach:** Collaborate with oncology, orthopedics, and plastic surgery teams.
 7. **Evidence-Based Practice:** Apply current advancements in reconstructive surgery.
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COURSE OUTCOMES (COS)

- **CO1:** Understand principles of microsurgery and reconstruction.
 - **CO2:** Perform microvascular anastomosis and flap procedures.
 - **CO3:** Manage reconstructive surgical cases effectively.
 - **CO4:** Apply microsurgical techniques in various clinical scenarios.
 - **CO5:** Ensure optimal functional and aesthetic outcomes.
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PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in microvascular reconstructive surgical techniques.
 2. Apply advanced microsurgical procedures effectively.
 3. Integrate multidisciplinary approaches in reconstructive care.
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PROGRAM DETAILS

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

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

- Advanced training in microvascular and reconstructive surgery
 - Hands-on exposure to microsurgical techniques and flap procedures
 - Training in head & neck, limb, and soft tissue reconstruction
 - Focus on trauma, oncological, and congenital reconstruction
 - Exposure to advanced surgical instruments and technologies
 - Integration of functional and aesthetic surgical approaches
 - Evidence-based clinical practice
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of reconstructive surgical principles and microsurgery.
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COGNITIVE SKILLS

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

- Proficiency in microsurgical techniques and reconstructive procedures.
 - Hands-on experience in operating theatres and specialized units.
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TRANSFERABLE SKILLS

- Team coordination in multidisciplinary surgical environments.
 - Clinical documentation and patient management.
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SUBJECT-SPECIFIC SKILLS

- Advanced microvascular and reconstructive surgical techniques.
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CURRICULUM MODULES – THEORY

- Principles of Microsurgery
- Microvascular Anastomosis Techniques
- Flap Surgery (Free and Pedicled Flaps)
- Head & Neck Reconstruction
- Limb and Soft Tissue Reconstruction
- Trauma and Oncological Reconstruction
- Surgical Planning and Patient Selection
- Post-Operative Care and Rehabilitation
- Complications and Risk Management
- Advances in Reconstructive Surgery

PRACTICAL COURSEWORK

- Hands-on training in microsurgical and reconstructive units
- Microvascular anastomosis practice
- Free flap and pedicled flap procedures
- Reconstruction after trauma and tumor resection
- Surgical planning and patient evaluation
- Post-operative monitoring and care
- Case documentation and clinical evaluation

CAREER OUTCOMES

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

- Microvascular Reconstructive Surgeon
- Plastic and Reconstructive Surgery Specialist
- Onco-Reconstructive Surgery Consultant
- Clinical Practitioner in Tertiary Care Hospitals
- Academic and Research Roles in Reconstructive Surgery

