FELLOWSHIP IN MICROVASCULAR 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 Microvascular Surgery is a one-year advanced training program designed to equip surgeons with specialized skills in microsurgical techniques for complex reconstructive procedures.

The program focuses on:
• Principles of microsurgery and microvascular anastomosis
• Free flap and pedicled flap reconstruction
• Replantation and limb salvage procedures
• Peripheral nerve repair and reconstruction
• Oncological reconstruction using microvascular techniques
• Advanced instrumentation and surgical planning

The program integrates hands-on surgical training, clinical exposure, and advanced microsurgical techniques to ensure comprehensive expertise in microvascular surgery.

Department-of-Plastic-Surgery_c…

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Develop expertise in microsurgical techniques.
2. Perform microvascular anastomosis and flap surgeries.
3. Manage complex reconstructive and limb salvage procedures.
4. Apply nerve repair and reconstruction techniques.
5. Plan and execute advanced surgical procedures.
6. Conduct research and apply evidence-based practices.

PROGRAM OUTCOMES (POS)

1. Clinical Expertise: Perform microvascular surgical procedures.
2. Microsurgical Skills: Execute anastomosis and flap techniques.
3. Reconstructive Skills: Manage complex tissue reconstruction.
4. Nerve Repair Skills: Perform peripheral nerve reconstruction.
5. Surgical Precision: Ensure accuracy and patient safety.
6. Research Orientation: Contribute to microsurgery advancements.

COURSE OUTCOMES (COS)

• CO1: Perform microvascular surgical procedures.
• CO2: Execute free flap and reconstruction techniques.
• CO3: Apply nerve repair methods.
• CO4: Manage limb salvage procedures.
• CO5: Integrate clinical and surgical practices.

PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in microvascular surgery.
2. Apply advanced microsurgical techniques.
3. Integrate clinical practice with reconstructive care.

PROGRAM DETAILS

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

---

ELIGIBILITY CRITERIA

• Academic Qualification: MBBS with MS/DNB in General Surgery / MCh/DNB in Plastic Surgery
• Professional Requirement: As per institutional norms

KEY FEATURES

• Advanced training in microvascular surgery
• Hands-on exposure to microsurgical techniques
• Training in free flap and reconstructive procedures
• Focus on precision and complex surgical reconstruction
• Evidence-based surgical practice

LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

• Comprehensive understanding of microsurgical principles

COGNITIVE SKILLS

• Clinical decision-making in microvascular procedures

PRACTICAL & PROFESSIONAL SKILLS

• Proficiency in microsurgical techniques and reconstruction
• Hands-on experience in operative settings

TRANSFERABLE SKILLS

• Patient communication and multidisciplinary coordination

SUBJECT-SPECIFIC SKILLS

• Advanced microvascular and reconstructive surgical techniques

CURRICULUM MODULES – THEORY

SEMESTER 1: FUNDAMENTALS OF MICROVASCULAR SURGERY

• Principles of Microsurgery
• Microvascular Anastomosis
• Flap Techniques
• Instrumentation
• Clinical Rotations

SEMESTER 2: ADVANCED MICROVASCULAR SURGERY

• Free Flap Reconstruction
• Limb Salvage

• Nerve Repair
• Oncological Reconstruction
• Case Studies
• Research Project

PRACTICAL COURSEWORK

• Microsurgical procedures
• Free flap reconstruction
• Clinical case management
• Operative planning and execution
• Case discussions
• Research and documentation

CAREER OUTCOMES

Graduates can pursue careers as:
• Microvascular Surgeon
• Plastic Surgeon
• Reconstructive Specialist
• Clinical Researcher
• Academic and Teaching Professional