

FELLOWSHIP IN PHACO & REFRACTIVE 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 Phaco & Refractive Surgery is a one-year advanced program designed for ophthalmologists who wish to specialize in cataract surgery (Phacoemulsification) and refractive surgery techniques.

The program focuses on:

- Cataract surgery using Phacoemulsification techniques
- Intraocular lens (IOL) implantation
- Refractive surgeries such as LASIK, PRK, and advanced lens surgeries
- Femtosecond laser-assisted cataract surgery (FLACS)
- Corneal topography and wave front analysis
- Management of complex cataract and refractive cases

The program integrates in-depth training, hands-on surgical experience, and advanced technologies to ensure comprehensive expertise in Phaco and refractive surgery.

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PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Develop advanced skills in Phacoemulsification and IOL implantation.
 2. Gain proficiency in refractive surgeries such as LASIK and PRK.
 3. Manage pre-operative, intra-operative, and post-operative patient care.
 4. Apply advanced technologies such as femtosecond lasers and corneal mapping.
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PROGRAM OUTCOMES (POS)

1. **Mastery in Phacoemulsification:** Perform cataract surgery with precision.
 2. **Advanced Refractive Surgery Knowledge:** Apply LASIK, PRK, and advanced techniques.
 3. **Expertise in Femtosecond Laser Surgery:** Perform FLACS procedures effectively.
 4. **Corneal Topography & Refractive Planning:** Use advanced diagnostic tools accurately.
 5. **Complication Management Skills:** Handle surgical complications efficiently.
 6. **Research Orientation:** Contribute to advancements in surgical techniques.
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COURSE OUTCOMES (COS)

- CO1: Perform Phacoemulsification and IOL implantation.
 - CO2: Apply refractive surgery techniques.
 - CO3: Understand femtosecond laser-assisted procedures.
 - CO4: Use corneal topography and wavefront analysis.
 - CO5: Manage post-operative care and complications.
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PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in cataract and refractive surgery.
 2. Apply advanced surgical and diagnostic techniques.
 3. Integrate clinical evaluation and surgical planning.
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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: MS/DNB Ophthalmology or equivalent
 - Professional Requirement: As per institutional norms
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KEY FEATURES

- Advanced training in Phaco and refractive surgery
- Hands-on exposure to cataract and refractive procedures
- Training in femtosecond laser techniques

- Focus on precision surgery and patient outcomes
 - Evidence-based ophthalmic practice
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of cataract and refractive surgery
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COGNITIVE SKILLS

- Clinical decision-making in surgical planning
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PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in Phacoemulsification and refractive procedures
 - Hands-on experience in OT and clinical settings
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TRANSFERABLE SKILLS

- Patient counseling and clinical coordination
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SUBJECT-SPECIFIC SKILLS

- Advanced cataract and refractive surgical techniques
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CURRICULUM MODULES – THEORY

(Deemed to be University)

- Introduction to Cataract Surgery
 - Phacoemulsification Techniques
 - Intraocular Lenses (IOLs)
 - Refractive Surgery (LASIK, PRK)
 - Femtosecond Laser Surgery
 - Corneal Topography & Wavefront Analysis
 - Management of Complications
 - Post-operative Care
 - Advances in Refractive Surgery
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PRACTICAL COURSEWORK

- Phacoemulsification procedures
- IOL implantation techniques

- Refractive surgery procedures
 - Femtosecond laser-assisted surgery
 - Clinical case discussions
 - Research and documentation
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CAREER OUTCOMES

Graduates can pursue careers as:

- Phaco Surgeon
- Refractive Surgeon
- Consultant Ophthalmologist
- Cataract & Vision Correction Specialist
- Academic and Research Professional



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