

FELLOWSHIP IN ANTERIOR SEGMENT (CORNEA)

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 Anterior Segment (Cornea) is a one-year advanced program designed for ophthalmologists to specialize in corneal diseases and anterior segment surgery.

The program focuses on:

- Corneal diseases and infections
- Corneal transplantation (keratoplasty)
- Refractive and therapeutic corneal procedures
- Ocular surface disorders
- Corneal imaging and diagnostics
- Management of anterior segment conditions

The program integrates clinical training, hands-on surgical exposure, and advanced diagnostic techniques to ensure comprehensive expertise in cornea and anterior segment management.

Department-of-Ophthalmology.com...
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PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Develop expertise in corneal diseases and management.
 2. Perform corneal transplant and anterior segment surgeries.
 3. Interpret corneal imaging and diagnostic techniques.
 4. Manage complex anterior segment conditions.
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PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose and manage corneal disorders.
 2. **Surgical Skills:** Perform keratoplasty and anterior segment procedures.
 3. **Diagnostic Proficiency:** Use slit lamp, topography, and imaging techniques.
 4. **Disease Management:** Treat infections and ocular surface disorders.
 5. **Complication Management:** Handle surgical complications effectively.
 6. **Research Orientation:** Contribute to advancements in corneal science.
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COURSE OUTCOMES (COS)

- CO1: Diagnose corneal diseases.
 - CO2: Perform corneal surgical procedures.
 - CO3: Interpret corneal imaging.
 - CO4: Manage anterior segment conditions.
 - CO5: Provide post-operative care.
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PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in cornea and anterior segment surgery.
 2. Apply advanced surgical and diagnostic techniques.
 3. Integrate clinical evaluation with 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 cornea and anterior segment
- Hands-on exposure to corneal surgeries
- Training in diagnostic and imaging techniques
- Focus on ocular surface and vision restoration
- Evidence-based ophthalmic practice

LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of corneal diseases

COGNITIVE SKILLS

- Clinical decision-making in anterior segment disorders

PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in corneal surgical techniques
- Hands-on experience in OT and cornea clinics

TRANSFERABLE SKILLS

- Patient counseling and long-term care

SUBJECT-SPECIFIC SKILLS

- Advanced corneal diagnostics and surgical techniques

CURRICULUM MODULES – THEORY

- Corneal Anatomy & Physiology
- Corneal Diseases & Infections
- Keratoplasty
- Ocular Surface Disorders
- Corneal Imaging & Topography
- Refractive Corneal Surgery
- Complication Management
- Post-operative Care
- Advances in Cornea

PRACTICAL COURSEWORK

- Corneal evaluation and diagnosis
- Keratoplasty procedures
- Imaging and interpretation
- Ocular surface management

- Case discussions
 - Research and documentation
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CAREER OUTCOMES

Graduates can pursue careers as:

- Cornea Specialist
- Anterior Segment Surgeon
- Consultant Ophthalmologist
- Eye Surgeon
- Academic and Research Professional



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