

FELLOWSHIP IN COCHLEAR 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 Cochlear Surgery is a specialized clinical program designed to develop expertise in advanced hearing restoration through cochlear implantation and related surgical techniques.

The program focuses on:

- Anatomy and physiology of the ear and auditory pathways
- Evaluation of hearing loss and candidacy for cochlear implants
- Cochlear implant technology and device selection
- Surgical techniques in cochlear implantation
- Post-operative rehabilitation and auditory training
- Pediatric and adult cochlear implant management

The program integrates **clinical exposure, theoretical learning, and hands-on surgical training**, ensuring comprehensive expertise in cochlear surgery.

(Deemed to be University)

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Evaluate and select candidates for cochlear implantation.
 2. Perform cochlear implant surgeries with precision.
 3. Manage post-operative care and auditory rehabilitation.
 4. Deliver patient-centered and evidence-based hearing restoration care.
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PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose severe to profound hearing loss and assess implant candidacy.
 2. **Surgical Skills:** Perform cochlear implantation procedures safely and effectively.
 3. **Technological Proficiency:** Understand cochlear implant devices and programming.
 4. **Rehabilitation Skills:** Manage post-operative auditory rehabilitation and speech therapy.
 5. **Comprehensive Care:** Address pediatric and adult hearing impairment cases.
 6. **Multidisciplinary Approach:** Collaborate with audiologists, speech therapists, and rehabilitation teams.
 7. **Evidence-Based Practice:** Apply current guidelines and innovations in cochlear implant surgery.
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COURSE OUTCOMES (COS)

- **CO1:** Understand auditory physiology and cochlear implant principles.
 - **CO2:** Evaluate candidates for cochlear implantation.
 - **CO3:** Perform cochlear implant surgical procedures.
 - **CO4:** Manage post-operative care and rehabilitation.
 - **CO5:** Apply multidisciplinary approaches in hearing restoration.
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PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in cochlear implant evaluation and surgery.
 2. Apply advanced hearing restoration technologies effectively.
 3. Integrate surgical and rehabilitative approaches in patient care.
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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:** MBBS / MS/DNB (ENT) or related specialties
 - **Professional Requirement:** As per institutional guidelines
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KEY FEATURES

- Specialized training in cochlear implant surgery
 - Hands-on exposure to advanced otological procedures
 - Training in cochlear implant technology and programming
 - Focus on hearing restoration and rehabilitation
 - Exposure to pediatric and adult cochlear implant cases
 - Integration of surgery with audiology and speech therapy
 - Evidence-based clinical practice
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of auditory pathways and implant technologies.
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COGNITIVE SKILLS

- Clinical decision-making in cochlear implant candidacy and management.
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PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in cochlear implant surgery and post-operative care.
 - Hands-on experience in ENT surgical settings.
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TRANSFERABLE SKILLS

- Patient counseling and communication skills.
 - Clinical documentation and multidisciplinary coordination.
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SUBJECT-SPECIFIC SKILLS

- Advanced cochlear implantation and auditory rehabilitation techniques.
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CURRICULUM MODULES – THEORY

- Anatomy and Physiology of Hearing
- Hearing Loss Evaluation and Diagnosis
- Cochlear Implant Technology
- Candidate Selection and Assessment
- Surgical Techniques in Cochlear Implantation
- Post-Operative Care and Complications
- Auditory Rehabilitation and Speech Therapy
- Pediatric Cochlear Implantation
- Device Programming and Mapping
- Advances in Cochlear Surgery

PRACTICAL COURSEWORK

- Clinical training in otology and cochlear implant units
- Audiological evaluation and candidate selection
- Observation and assistance in cochlear implant surgeries
- Device programming and follow-up care
- Post-operative rehabilitation and therapy coordination
- Patient counseling and treatment planning
- Case documentation and clinical evaluation

CAREER OUTCOMES

Graduates of the Fellowship in Cochlear Surgery can pursue careers as:

- Cochlear Implant Surgeon
- Otology and Hearing Restoration Specialist
- ENT Surgeon (Otology Focus)
- Hearing and Rehabilitation Specialist
- Clinical Practitioner in ENT and Specialty Hospitals
- Academic and Research Roles in Otology

