

## FELLOWSHIP IN SKULL BASE NEURO SURGERY

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### 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.

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### PROGRAM OVERVIEW

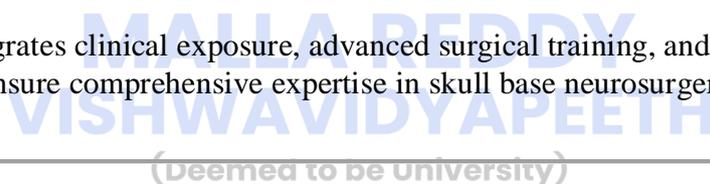
The Fellowship in Skull Base Neurosurgery is a specialized program designed to develop expertise in the diagnosis and surgical management of complex skull base disorders.

The program focuses on:

- Skull base tumors and lesions
- Pituitary and parasellar region disorders
- Cranial nerve pathologies
- Endoscopic and microsurgical skull base approaches
- Reconstruction techniques and complication management
- Multidisciplinary skull base surgery

The program integrates clinical exposure, advanced surgical training, and multidisciplinary collaboration to ensure comprehensive expertise in skull base neurosurgery.

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### PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Diagnose and manage skull base pathologies effectively.
  2. Perform advanced skull base surgical procedures.
  3. Apply endoscopic and microsurgical techniques.
  4. Deliver patient-centered and evidence-based care.
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### PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Manage skull base tumors and complex lesions.
2. **Surgical Skills:** Perform advanced skull base surgical procedures.

3. **Advanced Techniques:** Apply endoscopic and microsurgical approaches.
  4. **Multidisciplinary Care:** Collaborate with ENT, oncology, and radiology teams.
  5. **Decision-Making Skills:** Handle complex and high-risk cases.
  6. **Research Orientation:** Contribute to advancements in skull base surgery.
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#### COURSE OUTCOMES (COS)

- **CO1:** Understand skull base anatomy and pathology.
  - **CO2:** Diagnose skull base tumors and lesions.
  - **CO3:** Perform endoscopic and microsurgical procedures.
  - **CO4:** Manage cranial nerve and vascular complications.
  - **CO5:** Ensure postoperative care and long-term follow-up.
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#### PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in skull base neurosurgery.
  2. Apply advanced surgical and diagnostic techniques.
  3. Integrate multidisciplinary 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:** M.Ch/DNB in Neurosurgery / Head & Neck Surgery or equivalent
  - **Professional Requirement:** As per institutional norms
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#### KEY FEATURES

- Advanced training in skull base neurosurgery
- Hands-on exposure to complex surgical procedures
- Training in endoscopic and microsurgical techniques
- Focus on tumor and cranial nerve management
- Multidisciplinary and evidence-based practice

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## LEARNING OUTCOMES

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### KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of skull base anatomy and disorders

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### COGNITIVE SKILLS

- Clinical decision-making in complex skull base cases

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### PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in advanced skull base surgical techniques
- Hands-on experience in OT and multidisciplinary surgical teams

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### TRANSFERABLE SKILLS

- Patient counseling and interdisciplinary collaboration

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### SUBJECT-SPECIFIC SKILLS

- Advanced endoscopic and microsurgical skull base techniques

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## CURRICULUM MODULES – THEORY

- Skull Base Anatomy
- Skull Base Tumors & Lesions
- Pituitary & Parasellar Disorders
- Endoscopic Skull Base Surgery
- Microsurgical Techniques
- Cranial Nerve Disorders
- Reconstruction Techniques
- Complication Management
- Advances in Skull Base Neurosurgery

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## PRACTICAL COURSEWORK

- Skull base surgical procedures
- Endoscopic and microsurgical techniques
- Tumor and lesion management
- Multidisciplinary case discussions
- Postoperative care and follow-up

- Research and documentation
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## CAREER OUTCOMES

Graduates can pursue careers as:

- Skull Base Neurosurgeon
- Advanced Neurosurgery Specialist
- Consultant in Tertiary Neuro Centers
- Neuro-Oncology Specialist
- Academic and Research Professional



**MALLA REDDY  
VISHWAVIDYAPEETH**  
(Deemed to be University)