

FELLOWSHIP IN HEAD & NECK IMAGING

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 Head & Neck Imaging is a one-year advanced program designed to develop specialized expertise in imaging of the head and neck region using advanced diagnostic modalities.

The program focuses on:

- CT, MRI, Ultrasound, and PET in head & neck imaging
- Diagnosis of tumors, infections, inflammatory and congenital conditions
- Imaging of head & neck trauma and vascular abnormalities
- Role of imaging in surgical and oncological planning
- Image-guided interventions (biopsy, FNAC, injections)
- Multidisciplinary clinical collaboration
- Research in head & neck imaging

The program integrates theoretical knowledge, clinical exposure, hands-on training, and research to ensure advanced competency.

(Deemed to be University)

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Perform and interpret advanced imaging of head & neck structures.
 2. Diagnose benign and malignant head & neck pathologies.
 3. Evaluate trauma, infections, and congenital abnormalities.
 4. Assist in surgical planning and oncological treatment monitoring.
 5. Perform image-guided diagnostic and therapeutic procedures.
 6. Collaborate with ENT surgeons, oncologists, and multidisciplinary teams.
 7. Conduct research in head & neck imaging.
-

PROGRAM OUTCOMES (POS)

1. **Imaging Expertise:** Master CT, MRI, ultrasound, and PET in head & neck imaging.
2. **Oncological Imaging:** Diagnose and stage head & neck tumors accurately.
3. **Trauma Evaluation:** Assess head & neck injuries using imaging techniques.
4. **Infection & Inflammation:** Diagnose infectious and inflammatory conditions.
5. **Congenital Imaging:** Identify congenital anomalies of the head & neck.
6. **Interventional Skills:** Perform image-guided biopsies and procedures.
7. **Research Skills:** Advance knowledge through research and evidence-based practice.

COURSE OUTCOMES (COS)

- CO1: Perform and interpret advanced head & neck imaging studies.
- CO2: Diagnose oncological, traumatic, and inflammatory conditions.
- CO3: Evaluate congenital abnormalities using imaging.
- CO4: Perform image-guided procedures.
- CO5: Integrate imaging into clinical and surgical decision-making.

PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in head & neck imaging modalities.
2. Apply imaging in oncological and surgical management.
3. Integrate imaging findings into multidisciplinary clinical care.

MALLA REDDY

PROGRAM DETAILS

- Certificate Awarded by: Malla Reddy Vishwavidyapeeth (Deemed to be University)
- Program Duration: One-Year Fellowship
- Mode of Delivery: Clinical + Theoretical + Hands-on Training

ELIGIBILITY CRITERIA

- Academic Qualification: MD in Radiology or equivalent
- Professional Requirement: As per institutional norms

KEY FEATURES

- Comprehensive training in head & neck imaging
 - Hands-on exposure to CT, MRI, ultrasound, and PET
 - Specialized training in oncological and trauma imaging
 - Image-guided procedures training (biopsy, FNAC)
 - Multidisciplinary clinical exposure (ENT, oncology)
 - Research-oriented curriculum
 - Focus on surgical and radiation therapy planning
-

LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Detailed understanding of head & neck anatomy and pathology
-

COGNITIVE SKILLS

- Clinical reasoning in complex head & neck cases
-

PRACTICAL & PROFESSIONAL SKILLS

- Expertise in imaging interpretation and guided interventions
-

TRANSFERABLE SKILLS

- Team collaboration and clinical communication
-

SUBJECT-SPECIFIC SKILLS

- Advanced head & neck imaging and interventional techniques
-



MALLA REDDY
VISHWAVIDYAPEETH
(Deemed to be University)

CURRICULUM MODULES – THEORY

SEMESTER 1: FUNDAMENTALS OF HEAD & NECK IMAGING

- Introduction to Head & Neck Imaging
 - Normal Head & Neck Anatomy
 - Imaging of Head & Neck Neoplasms
 - Imaging of Head & Neck Trauma
 - Infections and Inflammatory Diseases
 - Clinical Rotations
-

SEMESTER 2: ADVANCED HEAD & NECK IMAGING & INTERVENTIONS

- Advanced CT and MRI Techniques
 - Head & Neck Imaging in Oncological Surgery
 - Imaging of Congenital Anomalies
 - PET/CT in Head & Neck Oncology
 - Head & Neck Ultrasound
 - Image-Guided Interventions
 - Research Project & Case Studies
-

PRACTICAL COURSEWORK

- CT, MRI, ultrasound, and PET interpretation
 - Head & neck tumor imaging and staging
 - Trauma imaging evaluation
 - Image-guided biopsies and FNAC
 - Clinical case discussions and logbook
 - Research and dissertation
-

CAREER OUTCOMES

Graduates can pursue careers as:

- Head & Neck Radiologist
- Consultant Radiologist (Oncology/ENT Imaging)
- Onco-Imaging Specialist
- Interventional Radiologist (Head & Neck)
- Academic and Research Professional



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