

FELLOWSHIP IN ABDOMINAL IMAGING (GI & GU)

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 Abdominal Imaging (GI & GU) is a one-year advanced program designed to train healthcare professionals in advanced imaging of the gastrointestinal (GI) and genitourinary (GU) systems.

The program focuses on:

- CT, MRI, ultrasound, and fluoroscopy in abdominal imaging
- Imaging of gastrointestinal and genitourinary disorders
- Diagnosis of malignancies such as colorectal, liver, renal, and prostate cancers
- Advanced imaging techniques including CT/MRI enterography and virtual colonoscopy
- Functional imaging like MRI elastography and dynamic contrast imaging
- Image-guided interventions such as biopsy and drainage
- Clinical integration and multidisciplinary decision-making

The program combines clinical exposure, advanced imaging techniques, and research training.

(Deemed to be University)

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Perform and interpret abdominal imaging across GI & GU systems.
 2. Diagnose common and complex abdominal diseases.
 3. Utilize advanced imaging techniques for functional and structural assessment.
 4. Perform image-guided interventions safely and effectively.
 5. Integrate imaging findings with clinical care.
 6. Follow ethical and radiation safety standards.
 7. Conduct research in abdominal imaging.
-

PROGRAM OUTCOMES (POS)

1. **Imaging Expertise:** Perform CT, MRI, ultrasound, and fluoroscopy.
2. **Diagnostic Skills:** Identify GI & GU disorders and malignancies.
3. **Functional Imaging:** Apply elastography and contrast-enhanced imaging.
4. **Interventional Skills:** Perform biopsies and drainage procedures.
5. **Clinical Integration:** Support evidence-based decision-making.
6. **Safety & Ethics:** Ensure radiation safety and ethical practice.
7. **Research Skills:** Contribute to abdominal imaging advancements.

COURSE OUTCOMES (COS)

- CO1: Perform and interpret CT and MRI for GI & GU imaging.
- CO2: Diagnose gastrointestinal malignancies and diseases.
- CO3: Evaluate genitourinary disorders and cancers.
- CO4: Apply ultrasound techniques in abdominal imaging.
- CO5: Perform image-guided abdominal interventions.

PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in abdominal imaging techniques.
2. Apply advanced imaging for GI & GU disease management.
3. Integrate imaging with 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 GI & GU imaging training
 - Hands-on exposure to CT, MRI, ultrasound, and fluoroscopy
 - Advanced techniques like enterography and virtual colonoscopy
 - Training in abdominal oncology imaging
 - Image-guided intervention exposure
 - Strong focus on clinical correlation and research
-

LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Understanding of abdominal anatomy and pathology
-

COGNITIVE SKILLS

- Clinical interpretation and diagnostic reasoning
-

PRACTICAL & PROFESSIONAL SKILLS

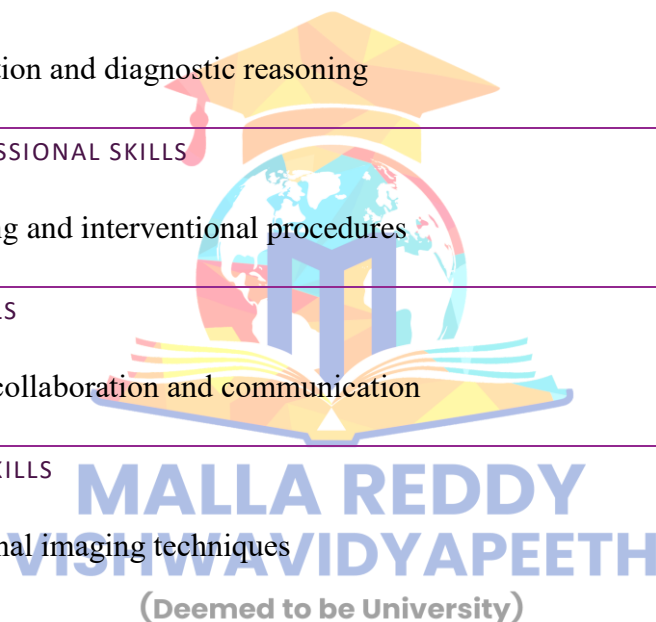
- Performing imaging and interventional procedures
-

TRANSFERABLE SKILLS

- Multidisciplinary collaboration and communication
-

SUBJECT-SPECIFIC SKILLS

- Advanced abdominal imaging techniques
-



CURRICULUM MODULES – THEORY

SEMESTER 1: FUNDAMENTALS OF ABDOMINAL IMAGING (GI & GU)

- Introduction to Abdominal Imaging
 - CT & MRI Principles
 - Gastrointestinal Imaging
 - Genitourinary Imaging
 - Advanced Ultrasound Techniques
 - Abdominal Trauma Imaging
 - Clinical Rotations
-

SEMESTER 2: ADVANCED ABDOMINAL IMAGING & RESEARCH

- Advanced CT & MRI (Enterography, Virtual Colonoscopy)
 - GI Malignancy Imaging
 - GU Malignancy Imaging
 - Functional Imaging Techniques
 - Image-Guided Interventions
 - Research Project & Case Studies
-

PRACTICAL COURSEWORK

- CT & MRI interpretation for GI & GU systems
 - Abdominal ultrasound imaging
 - Image-guided biopsy and drainage procedures
 - Case-based discussions and clinical decision-making
 - Clinical logbook maintenance
 - Research and dissertation
-

CAREER OUTCOMES

Graduates can pursue careers as:

- Abdominal Imaging Specialist
- GI Radiology Expert
- GU Imaging Specialist
- Onco-Imaging Consultant
- Interventional Radiology Specialist
- Academic and Research Professional



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