

FELLOWSHIP IN ABDOMINAL INTERVENTIONAL RADIOLOGY

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 Interventional Radiology is a one-year advanced program designed to train healthcare professionals in minimally invasive, image-guided diagnosis and treatment of abdominal and pelvic conditions.

The program focuses on:

- Imaging techniques including CT, MRI, and ultrasound for abdominal conditions
- Liver interventions such as biopsy, biliary procedures, and TIPS
- Gastrointestinal interventional procedures including embolization and feeding tube placements
- Renal interventions including nephrostomy and biopsy
- Management of abdominal vascular conditions such as portal hypertension
- Patient safety, radiation protection, and ethical clinical practice

The program integrates clinical training, procedural expertise, imaging skills, and research to ensure comprehensive competency in abdominal interventional radiology.

(Deemed to be University)

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Perform imaging-guided abdominal interventional procedures.
 2. Apply advanced imaging modalities for diagnosis and treatment.
 3. Manage liver, gastrointestinal, and renal conditions using IR techniques.
 4. Perform vascular and embolization procedures in abdominal diseases.
 5. Ensure patient safety and radiation protection.
 6. Address ethical considerations in interventional practice.
 7. Conduct research in abdominal interventional radiology.
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PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Perform abdominal interventional procedures effectively.
2. **Imaging Skills:** Utilize CT, MRI, and ultrasound for interventions.
3. **Hepatobiliary Expertise:** Manage liver diseases and biliary conditions.
4. **Gastrointestinal Skills:** Perform GI interventions and embolization techniques.
5. **Renal & Vascular Skills:** Manage renal and vascular abdominal conditions.
6. **Safety Awareness:** Ensure radiation safety and patient care standards.
7. **Research Orientation:** Contribute to advancements in abdominal IR.

COURSE OUTCOMES (COS)

- CO1: Perform liver, biliary, and renal interventional procedures.
- CO2: Apply imaging techniques for abdominal interventions.
- CO3: Manage gastrointestinal and vascular abdominal conditions.
- CO4: Perform embolization and advanced IR procedures.
- CO5: Integrate clinical and procedural decision-making.

PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in abdominal interventional radiology.
2. Apply advanced imaging and procedural techniques.
3. Integrate multidisciplinary approaches in abdominal care.

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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 / Surgery / Gastroenterology or equivalent
- Professional Requirement: As per institutional norms

KEY FEATURES

- Advanced training in abdominal interventional radiology
 - Hands-on exposure to liver, GI, and renal interventions
 - Training in TIPS, embolization, and drainage procedures
 - Focus on minimally invasive abdominal therapies
 - Emphasis on patient safety and radiation protection
 - Evidence-based and technology-driven practice
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of abdominal diseases and interventions
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COGNITIVE SKILLS

- Clinical decision-making in abdominal interventional procedures
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PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in liver, biliary, and renal procedures
 - Hands-on experience in GI and vascular interventions
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TRANSFERABLE SKILLS

- Communication and multidisciplinary collaboration
 - Patient-centered abdominal care
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SUBJECT-SPECIFIC SKILLS

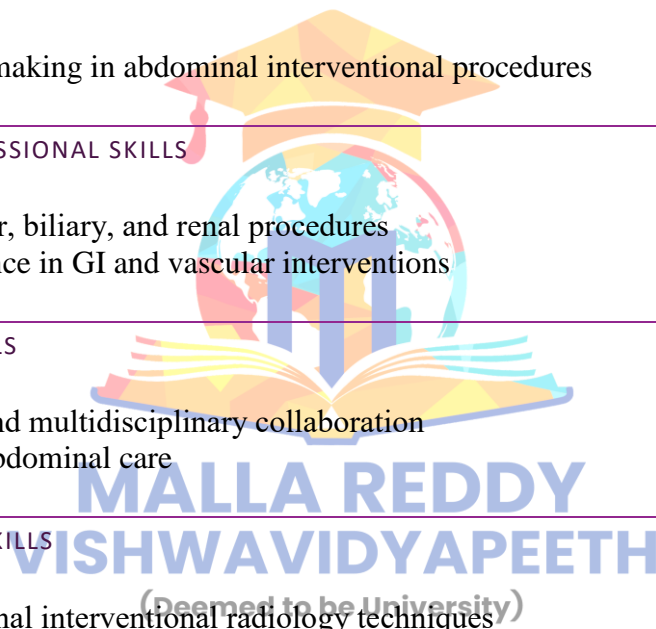
- Advanced abdominal interventional radiology techniques
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CURRICULUM MODULES – THEORY

SEMESTER 1: FUNDAMENTALS OF ABDOMINAL INTERVENTIONAL RADIOLOGY

- Introduction to Abdominal Interventional Radiology
 - Abdominal Imaging Techniques (CT, MRI, Ultrasound)
 - Liver Diseases and Interventions
 - Biliary Interventions
 - Renal Interventions
 - Clinical Rotations
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SEMESTER 2: ADVANCED ABDOMINAL INTERVENTIONS



- Gastrointestinal Interventions
 - Vascular Interventions in Abdominal Diseases
 - Pelvic Interventions
 - Ethical Considerations and Patient Safety
 - Research Project & Case Studies
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PRACTICAL COURSEWORK

- Liver biopsy, TIPS, and biliary procedures
 - Renal interventions and nephrostomy
 - Gastrointestinal and embolization procedures
 - Vascular access and portal hypertension management
 - Clinical case discussions and decision-making
 - Documentation and clinical logbook
 - Research and dissertation work
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CAREER OUTCOMES

Graduates can pursue careers as:

- Abdominal Interventional Radiologist
- Hepatobiliary Intervention Specialist
- Gastrointestinal Interventional Specialist
- Interventional Radiology Consultant
- Academic and Research Professional



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