

FELLOWSHIP IN INTERVENTIONAL PULMONOLOGY

ABOUT THE UNIVERSITY

Malla Reddy Vishwavidyapeeth is a reputed multidisciplinary institution based in Hyderabad, Telangana, recognized as a “Deemed to be University under Distinct Category.” The university is committed to excellence in medical education, clinical innovation, and research, offering advanced training programs across healthcare specialties.

PROGRAM OVERVIEW

The Fellowship in Interventional Pulmonology is a one-year advanced training program designed to equip healthcare professionals with specialized skills in diagnostic and therapeutic pulmonary procedures.

The program focuses on:

- Advanced bronchoscopy techniques
- Thoracoscopy and pleural interventions
- Endobronchial Ultrasound (EBUS)
- Airway management and stenting
- Management of lung cancer and mediastinal diseases
- Interstitial lung disease interventions
- Use of minimally invasive technologies in pulmonology
- Evidence-based respiratory care
- Research in pulmonary interventions

This fellowship combines theoretical knowledge, clinical exposure, and hands-on procedural training using modern technologies.



PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Perform advanced bronchoscopic and airway interventions.
 2. Diagnose and manage pleural diseases using thoracoscopy.
 3. Utilize EBUS for lung cancer staging and mediastinal evaluation.
 4. Apply minimally invasive techniques in respiratory disease management.
 5. Integrate evidence-based practices in pulmonology.
 6. Collaborate effectively with multidisciplinary teams.
 7. Conduct research in interventional pulmonology.
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PROGRAM OUTCOMES (POS)

1. **Bronchoscopy Expertise:** Master diagnostic and therapeutic bronchoscopy.
2. **Thoracoscopy Proficiency:** Perform pleural procedures and VATS techniques.
3. **EBUS Competence:** Expertise in mediastinal staging and biopsy.
4. **Airway Intervention Skills:** Perform stenting, dilation, and airway management.
5. **Clinical Decision-Making:** Apply evidence-based pulmonary care.
6. **Research Capability:** Contribute to advancements in pulmonary interventions.

COURSE OUTCOMES (COS)

- CO1: Perform diagnostic and therapeutic bronchoscopy procedures.
- CO2: Apply thoracoscopic techniques in pleural disease management.
- CO3: Utilize EBUS for accurate diagnosis and staging.
- CO4: Perform complex airway interventions safely.
- CO5: Implement evidence-based clinical decision-making.
- CO6: Conduct research in interventional pulmonology.

PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Expertise in minimally invasive pulmonary procedures.
2. Ability to manage complex airway and pleural conditions.
3. Integration of imaging and interventional techniques in respiratory 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:
MBBS with MD/DNB in Pulmonary Medicine / Internal Medicine / Respiratory Medicine
- Professional Requirement:
As per institutional norms

KEY FEATURES

- Advanced bronchoscopy & airway intervention training
- Hands-on exposure to thoracoscopy & pleural procedures
- Training in Endobronchial Ultrasound (EBUS)
- Focus on lung cancer staging and diagnosis
- Exposure to interstitial lung disease interventions
- Real-time clinical case handling
- Multidisciplinary collaboration
- Research-driven curriculum

LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Understanding advanced pulmonary procedures and disease mechanisms

COGNITIVE SKILLS

- Clinical reasoning in complex respiratory cases

PRACTICAL & PROFESSIONAL SKILLS

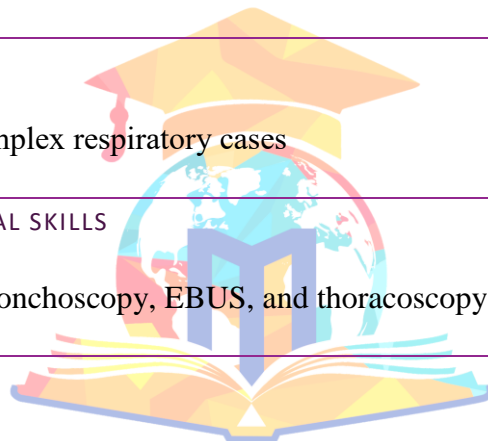
- Hands-on expertise in bronchoscopy, EBUS, and thoracoscopy

TRANSFERABLE SKILLS

- Teamwork, communication, and clinical decision-making

SUBJECT-SPECIFIC SKILLS

- Specialized skills in interventional pulmonology



**MALLA REDDY
VISHWAVIDYA PEETH**
(Deemed to be University)

CURRICULUM MODULES – THEORY

SEMESTER 1: FUNDAMENTALS OF INTERVENTIONAL PULMONOLOGY

- Introduction to Interventional Pulmonology
- Bronchoscopy Techniques
- Pleural Disease Management
- Basic Endobronchial Ultrasound (EBUS)
- Airway Management and Interventions
- Clinical Rotations

SEMESTER 2: ADVANCED INTERVENTIONAL PULMONOLOGY

- Advanced Bronchoscopy (Laser, Cryotherapy, Thermoplasty)
 - Thoracoscopy & Pleural Procedures (VATS)
 - Advanced Endobronchial Ultrasound (EBUS)
 - Interstitial Lung Disease Interventions
 - Clinical Decision-Making & Evidence-Based Practice
 - Research Project & Case Studies
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PRACTICAL COURSEWORK

- Diagnostic & therapeutic bronchoscopy
 - Thoracoscopy (VATS) procedures
 - Endobronchial Ultrasound (EBUS)
 - Airway stenting and dilation
 - Pleural biopsy and drainage
 - Clinical case discussions and logbook
 - Research and dissertation
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CAREER OUTCOMES

Graduates can pursue careers as:

- Interventional Pulmonologist
- Consultant Pulmonologist
- Bronchoscopy Specialist
- Critical Care & Respiratory Specialist
- Academic Faculty in Pulmonary Medicine
- Researcher in Pulmonary Interventions



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