

FELLOWSHIP IN BRONCHOSCOPY & THORACOSCOPY

ABOUT THE UNIVERSITY

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

PROGRAM OVERVIEW

The Fellowship in Bronchoscopy & Thoracoscopy is a one-year advanced training program designed to develop specialized expertise in diagnostic and therapeutic pulmonary procedures.

The program focuses on:

- Diagnostic and therapeutic bronchoscopy
- Flexible and rigid bronchoscopy techniques
- Airway management and stenting
- Thoracoscopy and Video-Assisted Thoracoscopic Surgery (VATS)
- Pleural disease management and interventions
- Lung biopsy and endoscopic procedures
- Pleural drainage and effusion management
- Evidence-based pulmonary care
- Clinical research in interventional pulmonology

This fellowship integrates theoretical knowledge with intensive hands-on clinical exposure and procedural training.

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PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Perform advanced bronchoscopy techniques for diagnosis and therapy.
 2. Execute thoracoscopic procedures for pleural and lung diseases.
 3. Manage airway complications using interventional techniques.
 4. Diagnose and treat pleural diseases effectively.
 5. Apply evidence-based approaches in pulmonary interventions.
 6. Collaborate with multidisciplinary clinical teams.
 7. Conduct research in bronchoscopy and thoracoscopy.
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PROGRAM OUTCOMES (POS)

1. **Bronchoscopy Expertise:** Master diagnostic and therapeutic bronchoscopy procedures.
 2. **Thoracoscopy Proficiency:** Perform VATS and pleural interventions.
 3. **Airway Management Skills:** Expertise in stenting, dilation, and airway therapies.
 4. **Pleural Disease Management:** Advanced skills in thoracentesis and pleural biopsy.
 5. **Clinical Decision-Making:** Apply evidence-based interventional pulmonology practices.
 6. **Research Capability:** Contribute to advancements in pulmonary interventions.
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COURSE OUTCOMES (COS)

- CO1: Perform diagnostic and therapeutic bronchoscopy procedures.
 - CO2: Conduct thoracoscopic (VATS) procedures for pleural diseases.
 - CO3: Manage pleural effusions and perform pleural interventions.
 - CO4: Execute advanced airway management techniques.
 - CO5: Apply clinical decision-making based on evidence-based practices.
 - CO6: Conduct research in bronchoscopy and thoracoscopy.
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PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Expertise in minimally invasive pulmonary endoscopic procedures.
 2. Ability to manage airway and pleural disorders effectively.
 3. Integration of diagnostic and therapeutic bronchoscopy techniques.
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PROGRAM DETAILS

- Certificate Awarded by: Malla Reddy Vishwavidyapeeth
 - Program Duration: One-Year Fellowship
 - Mode of Delivery: Clinical + Theoretical + Hands-on Training
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ELIGIBILITY CRITERIA

- Academic Qualification:
MBBS with MD/DNB in Pulmonary Medicine / Respiratory Medicine / Internal Medicine
 - Professional Requirement:
As per institutional norms
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KEY FEATURES

- Advanced bronchoscopy (flexible & rigid) training
- Hands-on exposure to thoracoscopy & VATS
- Training in airway stenting and interventions
- Expertise in pleural disease management
- Real-time clinical case exposure
- Multidisciplinary team collaboration
- Research-focused curriculum
- Exposure to advanced endoscopic technologies

LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Understanding of airway, pleural, and pulmonary disease interventions

COGNITIVE SKILLS

- Clinical reasoning in respiratory and interventional pulmonology cases

PRACTICAL & PROFESSIONAL SKILLS

- Hands-on expertise in bronchoscopy, thoracoscopy, and airway procedures

TRANSFERABLE SKILLS

- Communication, teamwork, and clinical decision-making

SUBJECT-SPECIFIC SKILLS

- Specialized procedural skills in bronchoscopy & thoracoscopy

CURRICULUM MODULES – THEORY

SEMESTER 1: FUNDAMENTALS OF BRONCHOSCOPY & THORACOSCOPY

- Introduction to Bronchoscopy
- Thoracic Anatomy & Pleural Diseases
- Diagnostic Bronchoscopy Techniques
- Airway Management & Interventions
- Thoracentesis & Pleural Drainage
- Clinical Rotations

SEMESTER 2: ADVANCED BRONCHOSCOPY & THORACOSCOPY

- Advanced Bronchoscopy (Stenting, Laser, Cryotherapy)
 - Video-Assisted Thoracoscopic Surgery (VATS)
 - Advanced Pleural Disease Management
 - Bronchial & Tracheal Interventions
 - Clinical Decision-Making in Interventional Pulmonology
 - Research Project & Case Studies
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PRACTICAL COURSEWORK

- Diagnostic & therapeutic bronchoscopy
 - Thoracoscopy and VATS procedures
 - Airway stenting and dilation
 - Pleural biopsy and drainage procedures
 - Foreign body removal techniques
 - Clinical case discussions and logbook
 - Research and dissertation
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CAREER OUTCOMES

Graduates can pursue roles such as:

- Interventional Pulmonologist
- Bronchoscopy Specialist
- Thoracic Procedure Specialist
- Consultant Pulmonologist
- Critical Care Specialist
- Academic Faculty in Pulmonary Medicine
- Researcher in Interventional Pulmonology



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