

## FELLOWSHIP IN LIVER & BILIARY DISEASES

---

### 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 in medical, dental, nursing, pharmaceutical sciences, engineering, and allied health sciences. The institution emphasizes academic excellence, clinical proficiency, innovation, and global collaborations, contributing significantly to advanced healthcare education and training.

---

### PROGRAM OVERVIEW

The Fellowship in Liver & Biliary Diseases is a specialized clinical program designed to develop expertise in the diagnosis, management, and prevention of hepatobiliary disorders. The program focuses on:

- Liver anatomy and physiology
- Acute and chronic liver diseases
- Viral hepatitis and liver infections
- Cirrhosis and its complications
- Biliary tract diseases and disorders
- Diagnostic and therapeutic approaches in hepatology

The program integrates **theoretical learning, clinical exposure, and hands-on training**, ensuring competency in hepatology and biliary care.

---

### PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Diagnose and manage liver and biliary diseases effectively.
  2. Apply evidence-based hepatology practices in clinical care.
  3. Manage complications of liver disease and cirrhosis.
  4. Deliver patient-centered and multidisciplinary treatment approaches.
- 

### PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose and manage liver diseases including hepatitis, cirrhosis, and fatty liver disease.

2. **Diagnostic Proficiency:** Interpret liver function tests, imaging, and diagnostic procedures.
  3. **Therapeutic Skills:** Apply medical management and supportive therapies in hepatology.
  4. **Complication Management:** Manage complications such as portal hypertension, ascites, and hepatic encephalopathy.
  5. **Biliary Disease Management:** Diagnose and treat biliary tract disorders.
  6. **Multidisciplinary Care:** Collaborate with gastroenterologists, surgeons, and critical care teams.
  7. **Evidence-Based Practice:** Apply clinical guidelines and research in hepatology.
- 

#### COURSE OUTCOMES (COS)

- **CO1:** Understand liver anatomy, physiology, and disease mechanisms.
  - **CO2:** Diagnose and manage liver and biliary disorders.
  - **CO3:** Interpret liver function tests and imaging studies.
  - **CO4:** Manage complications of liver diseases and cirrhosis.
  - **CO5:** Apply preventive and lifestyle-based interventions in liver health.
- 

#### PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate competency in diagnosis and management of hepatobiliary diseases.
  2. Apply diagnostic and therapeutic approaches in liver care.
  3. Integrate multidisciplinary approaches in hepatology and biliary disease management.
- 

#### PROGRAM DETAILS

- **Certificate Awarded by:** Malla Reddy Vishwavidyapeeth
  - **Program Duration:** One-Year Fellowship
  - **Mode of Delivery:** Hybrid (Clinical Training + Theoretical Learning + Hands-on Practice)
- 

#### ELIGIBILITY CRITERIA

- **Academic Qualification:** MD/DNB in General Medicine
  - **Professional Requirement:** As per institutional and regulatory guidelines
- 

#### KEY FEATURES

- Specialized training in hepatology and biliary diseases
  - Hands-on clinical exposure in gastroenterology and hepatology units
  - Focus on viral hepatitis, cirrhosis, and liver complications
  - Training in liver function assessment and diagnostic techniques
  - Exposure to biliary tract disorders and management
  - Integration of clinical and diagnostic hepatology
  - Evidence-based clinical practice
- 

## LEARNING OUTCOMES

---

### KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of liver and biliary system disorders.
- 

### COGNITIVE SKILLS

- Clinical reasoning and decision-making in hepatology.
- 

### PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in diagnosing and managing liver diseases.
  - Hands-on experience in hepatology clinical settings.
- 

### TRANSFERABLE SKILLS

- Patient counseling and communication regarding liver health.
  - Clinical documentation and reporting.
- 

### SUBJECT-SPECIFIC SKILLS

- Integrated management of hepatobiliary diseases using multidisciplinary approaches.
- 

## CURRICULUM MODULES – THEORY

- Liver Anatomy and Physiology
- Acute and Chronic Liver Diseases
- Viral Hepatitis and Liver Infections
- Cirrhosis and Portal Hypertension
- Biliary Tract Diseases
- Liver Function Tests and Diagnostics
- Hepatic Encephalopathy and Complications
- Fatty Liver Disease and Metabolic Liver Disorders
- Nutrition in Liver Disease
- Advances in Hepatology

---

## PRACTICAL COURSEWORK

- Clinical training in hepatology and gastroenterology departments
- Diagnosis and management of liver and biliary diseases
- Interpretation of liver function tests and imaging
- Management of cirrhosis and its complications
- Patient counseling and lifestyle modification
- Case documentation and clinical evaluation
- Interdisciplinary patient care

---

## CAREER OUTCOMES

Graduates of the Fellowship in Liver & Biliary Diseases can pursue careers as:

- Hepatology Specialist
- Consultant in Gastroenterology and Hepatology Departments
- Liver Disease Specialist
- Clinical Practitioner in Multispecialty Hospitals
- Preventive and Lifestyle Medicine Specialist
- Academic and Research Roles in Hepatology

