

## FELLOWSHIP IN HAEMATO PATHOLOGY

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### 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.

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### PROGRAM OVERVIEW

The Fellowship in Haemato Pathology is a one-year intensive program designed to train healthcare professionals in the diagnosis and laboratory evaluation of haematological disorders.

The program focuses on:

- Haematological disorders including anaemia, leukemias, and lymphomas
- Bone marrow examination and reporting
- Peripheral smear analysis
- Coagulation studies and bleeding disorders
- Flow cytometry and immunophenotyping
- Molecular diagnostics in haematology

The program integrates clinical training, laboratory exposure, and advanced diagnostic techniques to ensure comprehensive expertise in haemato pathology.

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(Deemed to be University)

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### PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Develop expertise in haematological diagnostics.
  2. Perform and interpret bone marrow examinations.
  3. Apply flow cytometry and molecular techniques.
  4. Diagnose benign and malignant haematological conditions.
  5. Integrate laboratory findings with clinical diagnosis.
  6. Ensure quality control and reporting standards.
  7. Conduct research in haematology.
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## PROGRAM OUTCOMES (POS)

1. **Diagnostic Expertise:** Evaluate haematological disorders accurately.
  2. **Laboratory Skills:** Perform bone marrow and smear analysis.
  3. **Technical Skills:** Apply flow cytometry and molecular diagnostics.
  4. **Clinical Integration:** Correlate lab findings with clinical conditions.
  5. **Quality Assurance:** Maintain standard reporting systems.
  6. **Research Orientation:** Contribute to advancements in haematopathology.
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## COURSE OUTCOMES (COS)

- CO1: Diagnose haematological disorders.
  - CO2: Perform bone marrow and smear analysis.
  - CO3: Apply immunophenotyping techniques.
  - CO4: Interpret coagulation studies.
  - CO5: Integrate laboratory and clinical findings.
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## PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in haemato pathology.
  2. Apply advanced diagnostic and laboratory techniques.
  3. Integrate clinical and laboratory evaluation.
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## PROGRAM DETAILS

- Certificate Awarded by: Malla Reddy Vishwavidyapeeth
  - Program Duration: One-Year Fellowship (to be University)
  - Mode of Delivery: Clinical + Laboratory + Theoretical Training
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## ELIGIBILITY CRITERIA

- Academic Qualification: MBBS with MD/DNB in Pathology or equivalent
  - Professional Requirement: As per institutional norms
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## KEY FEATURES

- Advanced training in haemato pathology
- Hands-on exposure to laboratory diagnostics

- Training in flow cytometry and molecular techniques
  - Focus on accurate and early diagnosis
  - Evidence-based pathology practice
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## LEARNING OUTCOMES

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### KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of haematological diseases
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### COGNITIVE SKILLS

- Analytical decision-making in haematopathology
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### PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in bone marrow and laboratory techniques
  - Hands-on experience in diagnostic labs
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### TRANSFERABLE SKILLS

- Clinical correlation and reporting
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### SUBJECT-SPECIFIC SKILLS

- Advanced haematological diagnostic techniques
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## CURRICULUM MODULES – THEORY

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### SEMESTER 1: FUNDAMENTALS OF HAEMATOLOGY

- Basics of Haematology
  - Anaemia and RBC Disorders
  - Peripheral Smear Examination
  - Coagulation Studies
  - Laboratory Techniques
  - Clinical Rotations
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### SEMESTER 2: ADVANCED HAEMATO PATHOLOGY

- Leukemias and Lymphomas
- Bone Marrow Examination
- Flow Cytometry

- Molecular Diagnostics
  - Immunophenotyping
  - Research Project & Case Studies
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#### PRACTICAL COURSEWORK

- Bone marrow procedures
  - Peripheral smear analysis
  - Flow cytometry techniques
  - Coagulation testing
  - Case discussions
  - Research and documentation
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#### CAREER OUTCOMES

Graduates can pursue careers as:

- Haematopathologist
- Diagnostic Pathologist
- Laboratory Specialist
- Clinical Researcher
- Academic and Research Professional

