

## FELLOWSHIP IN CLINICAL RHEUMATOLOGY

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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 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.

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### PROGRAM OVERVIEW

The Fellowship in Clinical Rheumatology is a specialized clinical program designed to develop expertise in the diagnosis, management, and treatment of rheumatic and musculoskeletal disorders. The program focuses on:

- Pathophysiology of rheumatic diseases
- Autoimmune and inflammatory disorders
- Arthritis and connective tissue diseases
- Musculoskeletal disorders and pain management
- Immunological mechanisms in rheumatology
- Rehabilitation and long-term care

The program integrates **theoretical learning, clinical exposure, and hands-on training**, ensuring competency in rheumatology practice.

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### PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Diagnose and manage rheumatic and autoimmune disorders effectively.
  2. Apply immunological and pharmacological therapies in clinical practice.
  3. Provide long-term management and rehabilitation for musculoskeletal conditions.
  4. Deliver evidence-based and patient-centered rheumatology care.
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### PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose and manage conditions such as rheumatoid arthritis, lupus, and spondyloarthropathies.

2. **Diagnostic Proficiency:** Interpret laboratory tests and imaging relevant to rheumatology.
  3. **Therapeutic Skills:** Apply disease-modifying therapies, biologics, and immunosuppressive treatments.
  4. **Pain Management:** Address chronic pain and musculoskeletal disorders effectively.
  5. **Rehabilitation Skills:** Implement physiotherapy and long-term care strategies.
  6. **Multidisciplinary Care:** Collaborate with orthopedics, physiotherapy, and immunology specialists.
  7. **Evidence-Based Practice:** Apply clinical guidelines and research in rheumatology.
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#### COURSE OUTCOMES (COS)

- **CO1:** Understand immunological mechanisms and rheumatic disease pathophysiology.
  - **CO2:** Diagnose and manage autoimmune and inflammatory disorders.
  - **CO3:** Interpret rheumatological investigations and imaging.
  - **CO4:** Apply pharmacological and biologic therapies.
  - **CO5:** Provide long-term management and rehabilitation care.
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#### PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate competency in diagnosis and management of rheumatic diseases.
  2. Apply immunological and pharmacological treatment strategies effectively.
  3. Integrate multidisciplinary approaches in rheumatology care and rehabilitation.
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#### PROGRAM DETAILS

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

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

- Specialized training in rheumatology and autoimmune disorders
  - Hands-on clinical exposure in rheumatology units
  - Training in immunological diagnostics and therapies
  - Focus on arthritis, connective tissue diseases, and musculoskeletal disorders
  - Integration of rheumatology with rehabilitation and physiotherapy
  - Exposure to biologic and advanced treatment options
  - Evidence-based clinical practice
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## LEARNING OUTCOMES

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### KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of rheumatic diseases and immune system disorders.
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### COGNITIVE SKILLS

- Clinical reasoning and decision-making in rheumatology.
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### PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in diagnosing and managing rheumatic conditions.
  - Hands-on experience in clinical rheumatology practice.
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### TRANSFERABLE SKILLS

- Patient counseling and communication for chronic disease management.
  - Clinical documentation and reporting.
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### SUBJECT-SPECIFIC SKILLS

- Integrated management of autoimmune and musculoskeletal disorders.
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## CURRICULUM MODULES – THEORY

- Basics of Rheumatology and Immunology
- Rheumatoid Arthritis and Inflammatory Arthropathies
- Connective Tissue Disorders (SLE, Scleroderma)
- Spondyloarthropathies
- Vasculitis and Autoimmune Disorders
- Musculoskeletal Pain and Soft Tissue Disorders
- Diagnostic Techniques in Rheumatology
- Pharmacological and Biologic Therapies
- Rehabilitation and Physiotherapy in Rheumatology
- Advances in Rheumatology

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## PRACTICAL COURSEWORK

- Clinical training in rheumatology departments and units
- Diagnosis and management of rheumatic diseases
- Interpretation of laboratory and imaging investigations
- Administration and monitoring of therapies
- Pain management and rehabilitation practices
- Case documentation and clinical evaluation
- Interdisciplinary patient care

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## CAREER OUTCOMES

Graduates of the Fellowship in Clinical Rheumatology can pursue careers as:

- Clinical Rheumatologist
- Consultant in Rheumatology Departments
- Autoimmune Disease Specialist
- Musculoskeletal and Pain Management Specialist
- Clinical Practitioner in Multispecialty Hospitals
- Academic and Research Roles in Rheumatology

