

FELLOWSHIP IN DERMATO PHARMACOLOGY

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.

PROGRAM OVERVIEW

The Fellowship in Dermato Pharmacology is a one-year advanced program designed to provide healthcare professionals with specialized knowledge in dermatological pharmacology, focusing on the use of medications and therapeutic agents for treating skin diseases.

The program focuses on:

- Pharmacological management of dermatological conditions
- Mechanisms of action of dermatologic drugs and therapeutic agents
- Safe and effective use of topical and systemic dermatological medications
- Drug interactions, adverse reactions, and pharmacovigilance in dermatology
- Development of new dermatological therapies and treatment protocols
- Research and clinical trials in dermatological pharmacology

The fellowship integrates theoretical knowledge, clinical exposure, and research to build expertise in pharmacological approaches to dermatological treatment.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Develop expertise in pharmacological treatments for dermatological disorders.
 2. Understand mechanisms of action, therapeutic uses, and safety profiles of dermatologic medications.
 3. Apply evidence-based pharmacological approaches in dermatology practice.
 4. Monitor drug interactions, adverse reactions, and pharmacovigilance in dermatology treatments.
 5. Conduct research to improve dermatological drug therapies and treatment strategies.
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PROGRAM OUTCOMES (POS)

1. **Expertise in Dermatologic Pharmacotherapy:** Apply pharmacological treatments for various skin diseases.
2. **Knowledge of Drug Mechanisms:** Understand mechanisms of action of dermatologic medications.
3. **Safe Medication Practices:** Ensure safe prescribing practices and management of drug interactions.
4. **Adverse Drug Reaction Management:** Identify and manage adverse drug reactions in dermatological treatments.
5. **Evidence-Based Treatment Planning:** Develop treatment plans using updated pharmacological guidelines.
6. **Research in Dermato Pharmacology:** Contribute to research and clinical trials related to dermatologic drugs.

COURSE OUTCOMES (COS)

- **CO1:** Understand pharmacological principles applied to dermatology treatments.
- **CO2:** Prescribe and manage topical and systemic medications for dermatological diseases.
- **CO3:** Identify and manage adverse drug reactions and drug interactions in dermatology practice.
- **CO4:** Apply pharmacovigilance practices in dermatological treatments.
- **CO5:** Develop evidence-based treatment plans for skin diseases using pharmacologic therapies.
- **CO6:** Conduct research in dermato pharmacology and evaluate new dermatologic drugs.

PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in pharmacological treatment of dermatological disorders.
2. Apply safe prescribing practices and therapeutic drug monitoring in dermatology.
3. Integrate research and innovation in dermato pharmacology practice.

PROGRAM DETAILS

- **Certificate Awarded by:** Malla Reddy Vishwavidyapeeth
- **Program Duration:** One-Year Fellowship
- **Mode of Delivery:** Clinical Training + Theoretical Learning + Research
- **Total Credits:** 40

ELIGIBILITY CRITERIA

- **Academic Qualification:** MBBS with MD/DNB in Dermatology or Pharmacy-related specialization
 - **Professional Requirement:** As per institutional norms
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KEY FEATURES

- Specialized training in dermatological pharmacology and therapeutics
 - Understanding mechanisms and safe use of dermatologic medications
 - Exposure to pharmacovigilance and adverse drug reaction monitoring
 - Training in evidence-based dermatological pharmacotherapy
 - Research-oriented learning in dermatologic drug development
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

Comprehensive understanding of dermatologic drugs, mechanisms of action, and therapeutic applications.

COGNITIVE SKILLS

Ability to evaluate dermatologic conditions and select appropriate pharmacological treatments.

PRACTICAL & PROFESSIONAL SKILLS

Hands-on expertise in prescribing dermatologic medications and monitoring treatment outcomes.

TRANSFERABLE SKILLS

Effective patient communication regarding medication use and safety.

SUBJECT-SPECIFIC SKILLS

Advanced expertise in dermatologic pharmacotherapy and pharmacovigilance.

CURRICULUM MODULES – THEORY

- Introduction to Dermato Pharmacology
- Pharmacology of Topical Dermatologic Agents
- Systemic Therapies in Dermatology

- Drug Interactions and Adverse Drug Reactions
 - Pharmacovigilance in Dermatology
 - Immunomodulatory and Biologic Therapies
 - Antimicrobial Therapies for Skin Infections
 - Anti-inflammatory and Immunosuppressive Drugs
 - Clinical Trials in Dermatology
 - Research Methodology in Dermato Pharmacology
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PRACTICAL COURSEWORK

- Clinical training in pharmacological management of dermatologic conditions
 - Monitoring drug responses and adverse reactions
 - Case-based discussions on dermatologic pharmacotherapy
 - Clinical documentation and pharmacovigilance reporting
 - Research project and clinical study documentation
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CAREER OUTCOMES

Graduates of the Fellowship in Dermato Pharmacology can pursue careers as:

- Dermato Pharmacology Specialist
- Dermatology Therapeutics Consultant
- Clinical Research Associate in Dermatology
- Academic and Teaching Professional in Pharmacology and Dermatology
- Pharmaceutical Research Specialist in Dermatologic Drug Development

MALLA REDDY
VISHWAVIDYAPEETH
(Deemed to be University)