

M.S. Ramaiah University of Applied Sciences

New BEL Road, MSR Nagar, Bangalore – 560054



**RAMAIAH
UNIVERSITY**
OF APPLIED SCIENCES

PO, PSO & CO

Programme: MD in Dermatology

Programme Code: 140

Programme Outcome (PO)

Programme Specific Outcome (PSO)

Course Outcomes (CO)

Ghalini

Principal and Dean

M.S. Ramaiah Medical College and Hospital
M.S. Ramaiah University of Applied Sciences
Bangalore - 560054



Ramaiah Medical College (RMC)

Programme Outcomes

Post Graduate Programme: MD in Dermatology

Programme objectives (PO) for MD Dermatology Postgraduate students:

- PO1.** Acquire the knowledge, skills and attitude to be a competent dermatologist (C, P).
- PO2.** Committed to continuous professional development with integrity, compassion and sensitivity to patient care. (A)
- PO3.** Acquire and develop the knowledge, skills and attitude required to be a competent and ethical researcher and teacher. (A, C, P)
- PO4.** Be able to independently diagnose, manage the common dermatological disorders, timely referral of complicated cases and perform basic dermatologic procedures with a reasonable degree of professionalism and competence. (A, C, P)

Programme Specific Outcomes (PSOs)

Programme specific outcome (PSO) for MD in Dermatology Postgraduate students

- PSO1** – Know in detail about basics of Dermatology, Sexually Transmitted Diseases and Leprosy including recent advances
- PSO2**- Diagnose, critically evaluate, and order relevant investigations and initiate proper treatment of common dermatological disorders including dermatological emergencies
- PSO3** – Perform all side lab procedures and able to interpret histology of common dermatological disorders
- PSO4**- Independently diagnose complicated cases and manage them with timely referral to higher centre including patients in ICU care
- PSO5** - Acquire training skills in research methodology, professionalism, attitude and Communication
- PSO6** – Ensure the implementation of National Health Programmes, particularly leprosy and sexually transmitted diseases (STD) including HIV
- PSO7**- Recognise continuing educational needs and update their knowledge regarding recent advances and developments in Dermatology
- PSO8**- Teach students effectively by using appropriate learning resources and techniques and take their feed back
- PSO9**- Perform common dermatological procedures like skin biopsy, electro surgical procedures, cryosurgery, dermatosurgical procedures and cosmetology procedures including LASERs.

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Course Outcomes (COs)

Course Title & Code: Basic Science as applied to Dermatology (MDC553A)

Subjects At the end of the course, the students should be able to:

- CO-1. Should have acquired knowledge of basic sciences (Anatomy, Physiology, Biochemistry, Microbiology, Pathology and Pharmacology) pertaining to dermatology (A, C)
- CO-2. Be able to perform independently the side laboratory procedures like potassium hydroxide (KOH) mount, Gram stain, Tzanck smear, Slit skin smear (SSS), Giemsa stain, acid fast bacilli (AFB) stain, etc. related to the dermatologic diagnosis and be competent enough to interpret histopathology of common skin disorders.(C, P)
- CO-3. Must acquire basic concepts of research methodology, plan a research project, consult library and online resources, have basic knowledge of statistics and should evaluate published studies (A, C)

Course Outcomes (COs)

Course Title & Code: Dermatology (MDC554A)

Subjects At the end of the course, the students should be able to:

- CO-1. Acquire skills in history taking, physical examination, diagnosis and management of patients in dermatology, venereology and leprosy (C,A,P)
- CO-2. Should be able to order relevant investigations and interpret them to reach to a definitive diagnosis so as to plan and deliver comprehensive treatment for diseases using principles of rational drug therapy (C, A)
- CO-3. Be competent to diagnose and manage complicated/rare cases, patients in ICU care as well the dermatologic emergencies like angioedema, toxic epidermal necrolysis (TEN), Stevens-Johnson syndrome (SJS), pemphigus, drug reaction and erythema nodosum leprosum (ENL) etc and their timely referral to higher centre in liaison with other departments (C, A)
- CO-4. Should able to perform skin and nail biopsy, demonstrate/perform various suturing techniques and wound dressing independently (C, A P)
- CO-5. Demonstrate the correct method of giving skin intralesional injections for keloids and alopecia areata and be able to perform procedures like electro- cautery, cryotherapy, curettage, mole excision, chemical peels, and punch grafting (C, A ,P)

Course Outcomes (COs)

Course Title & Code: STD & Leprosy (MDC555A)

Subjects At the end of the course, the students should be able to:

- CO-1. The student should be competent enough to clinically evaluate patient with leprosy, sexually transmitted infections including HIV. (C, A)
- CO-2. Able to perform dark ground illumination, gram stain, bubo aspiration, slit skin smear and tissue smear and to interpret the laboratory tests including histopathology in STDs and Leprosy (C, A, P)



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- CO-3. Should be well versed with syndromic management while treating patients with sexually transmitted infections (C, A)
- CO-4. Able to manage cases of lepra reaction and to refer the patients at appropriate level for surgery or rehabilitation (C, A)
- CO-5. Should be able to ensure the implementation of National Health Programmes, particularly leprosy, sexually transmitted diseases (STD) including HIV (C, A)

Course Outcomes (COs)

Course Title & Code: Recent advances in field of Dermatology (MDC556A)

Subjects At the end of the course, the students should be able to:

- CO-1. Should be familiar with recent advances in the field of investigations and management in dermatology & STD and acquiring knowledge of latest diagnostic and therapies available (C, A)
- CO-2. Carry out various dermatosurgical procedures for Vitiligo (graft procedures, melanocyte transfer) and acne (subcision, derma roller, PRP therapy) and to perform basic LASER procedures (C, A, P)

Course Outcomes (COs)

Course Title & Code: Thesis – Dermatology (MDP514A)

Subjects At the end of the course, the students should be able to:

- CO-1. Should be introduced to basic research methodology so that he/she can independently conduct fundamental and applied research and he/she should independently write the thesis in accordance with the university prescribed norms (C,A)
- CO-2. The student should demonstrate integrity, accountability, respect, compassion and dedicated patient care and a commitment to excellence, continuous professional development and ethical principles relating to conduct and publication of research (C,P)

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