

DERMATOLOGY

Objectives:

At the end of the course, the learners shall be able to:

- 1) Demonstrate good knowledge of common skin diseases , clinical manifestations , bedside investigations with special emphasis on clinical diagnosis.
- 2) Demonstrate comprehensive knowledge of various modes of topical therapy .
- 3) Describe the mode of action of commonly used dermatological drugs , their doses, side effects toxicity , indications and contraindications and interactions

Knowledge

Subject	Must know	Desirable to know
Skin Infections:		
a) bacterial - including Leprosy and STD	✓	
b) Viral - including Retroviral diseases	✓	
c) Fungal	✓	
Infestations		
a) Scabies	✓	
b) Pediculosis	✓	
Nutritional Disorders		
a) Pellagra	✓	
b) Riboflavin deficiency	✓	
c) Vitamin A deficiency	✓	
Allergies :		
a) Drug induced - such as acute urticaria, angioedema, drug rash . FDE, Erythrema Multiforme, Maculopapular rash , SJ Syndrome	✓	
b) Environmental - contact dermatitis,	✓	
c) Constitutional - atopic dermatitis, eczema, and seborrhoeic dermatitis	✓	
Dermatological Emergencies: (Diagnosis and Referrals)		
-Toxic Epidermal Necrolysis	✓	
-Pemphigus vulgaris and its variants		✓
-Erythroderma		✓
-Staphylococcal Scalded Skin Syndrome		✓
Other common skin diseases - Acne Vulgaris, Lichen Planus, Psoriasis, Vitiligo, Melasma, Herpes Zoster.	✓	

Examination skills

Skills	Perform independently	Perform under supervision	Assist the expert	Observe
Good and complete skin examination including hairs and nails	✓			
Good and complete examination of the genitalia, and oral mucosa	✓			
Leprosy				
1) Must be able to demonstrate anaesthesia in patches and extremities	✓			
2) Demonstration thickened nerves	✓			
3) Classify and manage Hansen's disease , and differentially diagnose a hypopigmented patch.	✓			
4) Clinically identify Type I and Type II Reactions in Leprosy and manage acute reactions	✓			
5) Prevent deformities in Leprosy, through counseling etc	✓			
6) Care of deformities in limbs , and ulcer care	✓			
STD syndromes				
1) Syndromic management	✓			
2) HIV counseling	✓			
3) Contact tracing	✓			
4) Treatment of contacts	✓			
Skills for various compresses.	✓			
Incision and drainage.		✓		
Molluscum contagiosum and Warts removal techniques,		✓		
Management of allergies		✓		
Management of Dermatological Emergencies			✓	
Perform Bedside diagnostic tests: Tzanck smear Tissue Smear Gram staining		✓		
Slit smear for AFB			✓	
Dark Ground Microscopy				✓
Skin Biopsies				✓
LASERs Handling				✓
PUVA Therapy including Narrow Band UVB therapy				✓
Chemical peels				✓
Patch Testing				✓
Minor Dermatological surgical procedures				✓

Assessment

Formative at the end of capsule course and clinical postings

Summative at the end of the Course

Tools:

Theory

Problem solving MCQs,

Structured Long questions

Problem solving long questions

Short answer questions

Practical

Short cases

OSCE

Summative examination to be included along with Medicine

Teaching learning methods:

Structured interactive sessions

Small group discussions

Self-learning tools like

- (a) Assignments
- (b) Problem based learning
- (c) Written case scenarios
- (d) Simulated patient management problems
- (e) Tutorials, workshops
- (f) One to one teaching in ward

Learning resource materials

Textbooks, Internet, CDs, Videos, Skill laboratories etc.

Recommended Text Books

Review of Dermatology by Vijay K Garg, A M Kochhar, K Sardana

Roxburg's Common Skin Diseases