



JINNAH SINDH MEDICAL UNIVERSITY

STUDY GUIDE	
PROGRAM	MBBS
MODULE TITLE	DERMATOLOGY MODULE
ACADEMIC YEAR	Fourth Year- 2024
INTRODUCTION	This module will provide the senior medical students with an initial insight into the various patterns of common skin disorders. They range from rampant infectious conditions to allergic situations to malignant metamorphoses. Medical graduates in Pakistan need to be not only aware of the common dermatological conditions, but also to manage or refer them appropriately.
RATIONALE	As skin diseases are encountered very commonly in general practice and there is an increasing awareness, in the Pakistani population especially the younger age group, of its appearance, graduates hence need to know how to promote healthy skin, appropriately manage common dermatological conditions, and prevent pathological situations where possible, during their professional practice.
OUTCOMES	By the end of the module, students should be able to justify management and preventive plans for common dermatological conditions based on underlying etiological factors and pathophysiology
DEPARTMENTS INVOLVED	<ol style="list-style-type: none">1. Dermatology2. Pathology3. Paediatrics

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MODULE OBJECTIVES	By the end of the module, the students should be able to:
LECTURES DERMATOLOGY	<p>1. Basic terminologies of skin</p> <ul style="list-style-type: none">• Classify skin lesions.• Define common terminologies including primary and secondary dermal and epidermal lesions, and histopathological terms, Macule, patch, papule, plaque, vesicle, bullae, pustule, nodule, wheal, excoriation, exfoliation, erosion, ulcer, erythema, purpura, lichenification, Telangectasia, ecchymosis granulosis, spongiosis and hyperkeratosis.• Diagnose common dermatologic conditions based on information provided in written scenarios, photographs or by simulated patients. <p>2. Bacterial infections</p> <ul style="list-style-type: none">• Classify Impetigo, Ecthyma, Cellulitis, Folliculitis, Furuncle, Carbuncle, Erysipelas, and Necrotising Fasciitis, according to depth of skin layers and causative organisms.• Discuss their clinical presentation and epidemiology <p>3. Viral infections</p> <ul style="list-style-type: none">• Classify viral skin infections.• Discuss Herpes Simplex and Zoster, Chicken Pox, Viral warts, and Molluscum Contagiosum. <p>4. Fungal Infections</p> <ul style="list-style-type: none">• Define fungal skin infections.• Classify fungal infection.• Discuss Dermatophyte infections, Candida Albicans, and Pityriasis Versicolor. <p>5. Parasitic Infections</p>

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- Discuss the clinical presentation and treatment of Scabies, Pediculosis and Leishmaniasis

6. Sexually Transmitted Diseases (STD)

- Define STD.
- Discuss the clinical presentation of Gonorrhoea, Chancroid, Syphilis, Lymphogranuloma Venerum (LGV) and Granuloma Inguinale.

7. Acne

- Define Acne.
- Classify the types of Acne.
- Discuss the pathogenesis and treatment of Acne.

8. Eczema

- Define eczema.
- Classify the different types of Eczema.
- Discuss their pathogenesis and treatment

9. Psoriasis

- Define Psoriasis.
- Classify the causative factors of psoriasis.
- Discuss its associated disorders, complications and treatment

10. Lichen Planus

- Define Lichenoid lesions.
- Discuss clinical presentation and treatment of lichen planus

11. Leprosy

- Discuss Leprosy.
- Classify Leprosy disease
- Discuss the clinical presentation and diagnosis

12. Cutaneous drugs reactions

- Define Steven Johnson Syndrome, Toxic Epidermal Necrolysis and Erythema Multiformis.

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	<ul style="list-style-type: none">• Discuss the clinical presentation and treatment of these lesions <p>13. Urticaria</p> <ul style="list-style-type: none">• Define urticaria• Classify urticarial diseases• Discuss the clinical presentation and treatment of these lesions <p>14. Bullous Disorders</p> <ul style="list-style-type: none">• Define bullous disorders• Classify bullous disorders• Discuss clinical presentation and treatment of Pemphigus Vulgaris, Bullous Pemphigoid, Dermatitis Herpetiformis and Epidermolysis Bullosa <p>15. Cutaneous manifestations of systemic diseases</p> <ul style="list-style-type: none">• Discuss skin changes associated with SLE, Thyroid disorders, Diabetes Mellitus, Hepatic disorders, Kidney disorders, and Malignancies (e.g. Para-Neoplastic Syndrome)
<p>PAEDIATRICS</p>	<p>1. Atopic Dermatitis</p> <ul style="list-style-type: none">• Discuss the risk factors, etiology and management of Atopic Dermatitis <p>2. Bacterial, viral and fungal, protozoal infections of skin</p> <ul style="list-style-type: none">• Differentiate among bacterial, viral, fungal and protozoal skin infections in the Paediatric population on the basis of clinical presentations, etiologies• Discuss management of common conditions of each type <p>3. Steven-Jonson Syndrome</p> <ul style="list-style-type: none">• Describe the clinical presentation and management of the syndrome <p>4. Scabies, Ectodermal Dysplasia</p> <ul style="list-style-type: none">• Describe the risk factors, etiologies, clinical presentations and management of these conditions in the Paediatric population <p>5. Urticaria</p>

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	<ul style="list-style-type: none">• Discuss the clinical presentation and management of Urticaria in children
PATHOLOGY	<p>1. Infectious diseases of skin</p> <ul style="list-style-type: none">• Discuss common infections of skin including Verrucae (warts), Molluscum Contagiosum, Impetigo, and superficial fungal infection <p>2. Cutaneous and Subcutaneous fungi ·</p> <ul style="list-style-type: none">• Classify fungi causing cutaneous and subcutaneous mycoses.• Discuss the properties, transmission, pathogenesis and lab diagnosis of fungi causing dermatophytoses. <p>3. Systemic and opportunistic fungi</p> <ul style="list-style-type: none">• Classify systemic and opportunistic fungi.• Discuss the properties, transmission, pathogenesis and lab diagnosis of Histplasma capsulatum, Blastomycosis dermatitidis. <p>4. Acute and chronic inflammatory dermatoses ·</p> <ul style="list-style-type: none">• Explain the pathogenesis and clinical presentations of various acute & chronic inflammatory dermatoses including Urticaria, Acute Eczematous Dermatitis, Erythema Multiforme, Psoriasis, Seborrheic Dermatitis, and Lichen Planus <p>5. Disorders of pigmentation and vesicular (Bullous) diseases</p> <ul style="list-style-type: none">• Discuss pigmentation disorders including Freckle, Lentigo, Nevi and Melanoma.• Describe pathogenesis and clinical features of various blistering disorders of skin. <p>6. Tumors of Dermis and Epidermis ·</p>

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	<ul style="list-style-type: none"> • Classify tumors of skin and subcutis • Describe important types of skin tumors with pathogenesis, morphology and clinical features (Actinic Keratosis, Squamous Cell Carcinoma, Basal Cell Carcinoma, Dermato-fibroma, Dermato-fibrosarcoma protuberans) <p>7. Soft Tissue tumors</p> <ul style="list-style-type: none"> • Classify soft tissue tumors according to their tissue of origin. • Discuss the location, pathogenesis, morphology and prognosis of soft tissue tumors including lipoma, liposarcoma, Nodular Fasciitis, Superficial Fibromatosis, Rhabdomyosarcoma, Leiomyoma, Leiomyosarcoma, and Synovia Sarcoma.
SKILLS TO BE LEARNT DURING WARD ROTATIONS	<ul style="list-style-type: none"> • History Taking • Examination and diagnosis of Dermatologic Diseases • Treatment of Dermatologic Disorders
INTERNAL ASSESSMENT	<ul style="list-style-type: none"> • Internal assessment will be according to JSMU policy. The details of internal assessment will be determined by the respective institutions. • Internal assessment carries 20% weightage in the final, end-of-year examination
ANNUAL EXAMINATION	<ul style="list-style-type: none"> • MCQs and OSCE (observed & unobserved)
MODULE EVALUATION	<ul style="list-style-type: none"> • The module will be evaluated through a feedback form that is posted on the JSMU website
SUGGESTED READING	<p>Following books can be referred for further reading:</p> <ul style="list-style-type: none"> • Rooks Textbook of Dermatology • Robbins & Cotran, Pathologic Basis of Diseases, 10th Edition