

1. Course Contents Theory & practice

- Basic sciences including Anatomy, Physiology, Pathology, Microbiology and Pharmacology.

Main subjects to be covered

- 1. Dermatology
- 2. Venereology
- 3. Leprosy
- 4. Dermatopathology
- 5. Dermatosurgery (including lasers)

Basics of Dermatology

- 1. Fundamental
- History taking and examination of dermatological patient
- Type of skin lesions
- Distribution patterns
- Aids in diagnosis of skin diseases etc.
- Structure and development of skin
- Biochemistry and Physiology of epidermis and its appendages including Melanin synthesis
- Keratinization
- Pathophysiologic reactions of skin
- Basic immunology

Skin Diseases

- Disorders of Keratinization and epidermal proliferation
- Disorders affecting skin appendages, hair, nail, sebaceous glands, sweat glands and apocrine glands etc.
- Neoplastic disorders of skin
- Genodermatoses
- Vesiculo bullous diseases, e.g. pemphigus, pemphigoid, erythema multiforme, dermatitis herpetiformis etc.
- Dermatitis:- exogenous – contact dermatitis, patch testing, endogenous – atopic acquired endogenous nummular
- Disorders of pigmentation
- Disorders of collagen and connective tissue

- Disorders of mucous membranes, stomatological disorders
- Disorders involving genitalia
- Disorders due to physical agents, heat, cold, light, radiation etc.
- Disorders due to chemical agents – reactions to chemicals, occupational dermatosis
- Pyodermas
- Fungal infections-superficial and deep
- Viral infection
- Parasitic infestations, insect bites etc.

Dermatology in relation to internal medicine

- Nutritional diseases – protein and vitamin deficiencies

Metabolic disorders

- 1. Diabetes mellitus
- 2. Amino acid metabolism
- 3. Porphyrin metabolism
- 4. Lipidosis
- 5. Dysproteinemias and agammaglobulinemias etc.
- 6. Carcinoid syndrome
- 7. Glycolipid lipidosis
- 8. Calcinosis cutis
- 9. Histiocytosis
- 10. Hematological systems-reticulosis-leukemia etc.
- 11. Gastro – intestinal system
- 12. Endocrinal system
- 13. Neurocutaneous disorder
- 14. Psychocutaneous disorders

Allergic disorders

- 1. Anaphylaxis – urticaria / angioedema
- 2. Serum sickness
- 3. Reactions drug etc.

Venereal disorders

- 1. Anatomy of male and female genitalia

- 2. Syphilis and other treponematoses, immunology, pathology, diagnosis, Treatment, control etc.
- Gonococcal urethritis and complications
- Lymphogranuloma venereum
- Chancroid
- Granuloma inguinale (Donovanosis)
- Other disorders involving male and female genitalia
- STIs and control
- STI and Reproductive health
- Epidemiology of STI'S,

AIDS

- Transmission, prevention, clinical manifestations, prophylaxis of opportunistic infections,
- Anti-retroviral therapy, treatment in HIV+ve STD cases.

Leprosy

- 1. Epidemiology
- 2. Pathogenesis
- 3. Pathology
- 4. Diagnosis – clinical features, classifications, laboratory aids
- 5. Reactive phase – Ocular involvement, Bone involvement
- 6. Treatment of leprosy and reactions
- 7. Leprosy control and rehabilitation etc.

Dermato-surgery

- The course would consist of lesions in basic techniques of dermatosurgery or various diseases and laser.
- Skin biopsy
- Punch grafting
- Split skin grafting
- Dermabrasion and suction blister grafting
- Dermabrasion
- Scar revision
- Chemical peeling
- Cryosurgery

- Excision
- Electrosurgery, Radio-surgery
- LASER: for Hair Reduction, for Pigment Removal, for Scar