



अखिल भारतीय आयुर्विज्ञान संस्थान, नागपुर
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सत्यमेव जयते

Department of Dermatology, Venereology & Leprology

UG Curriculum Template

1. Goals:

The undergraduate students at the end of course should understand and learn the basic principle of diagnosis and management of various skin diseases including sexually transmitted diseases and Leprosy through knowledge, bedside & laboratory skills, attitudes and communication skills to work efficiently as health care provider in community.

2. Outcomes (objectives at the end of the course):

At the end of the course students should be able to-

1. Diagnose and manage common skin diseases, sexually transmitted diseases and leprosy.
2. To diagnose and manage common medical emergencies related to skin diseases & leprosy
3. Be competent to practice preventive, promotive, curative and rehabilitative medicine in respect to various skin diseases including sexually transmitted diseases and Leprosy.
4. Practice Evidence Based Medicine and should understand the rationale for different therapeutic modalities in the management of skin diseases including sexually transmitted diseases and Leprosy.
5. Be familiar with the National Health Programs (National Leprosy Control/Eradication Programme & National AIDS Control Organization, and the ways in which they are being implemented.
6. Practice medical ethics in patient care.

Skills

1. History taking in dermatology, sexually transmitted diseases and leprosy.
2. Clinical examination and description of cutaneous findings in a systematic way.
3. To develop skills to do day-to-day common bedside tests and their interpretation which help in diagnosis.
4. To take care of the wounds of the patients of Hansen's disease, TEN, & Pemphigus.
5. Systemic examination in relation to dermatologic diseases.

Attitude

1. To develop a compassionate attitude towards the patients and their attendants.
Demonstrate communication skills, both verbal and written to establish effective communication with the patients, relatives, and general public, health team partners, and scientific community

3. Syllabus :

Name of system/section	List of topics
1. Dermatology	<p>MUST KNOW:</p> <ol style="list-style-type: none"> 1. Structure and function of skin, hair and nails 2. Basic skin lesions and approach to a patient of skin disease 3. Bedside laboratory procedures in dermatology – KOH mount, Gram stain, Tzanck smear, slit skin smear, skin punch biopsy 4. Infective dermatoses: etiology, clinical presentation, diagnosis and treatment of <ol style="list-style-type: none"> (a) Bacterial infections including cutaneous tuberculosis (b) Viral infections (c) Fungal infections 5. Infestations: Etiology, clinical features, diagnosis and treatment of scabies and pediculosis 6. Papulosquamous disorders- etiopathogenesis, clinical features, diagnosis and treatment of psoriasis, lichen planus and pityriasis rosea 7. Eczemas – classification, etiology, clinical features, diagnosis and treatment 8. Vesiculobullous disorders - etiopathogenesis, clinical features, diagnosis and treatment of pemphigus vulgaris, bullous pemphigoid, dermatitis herpetiformis 9. Cutaneous manifestations in connective tissue disorders – lupus erythematosus, systemic sclerosis, dermatomyositis 10. Acne vulgaris and Rosacea: etiopathogenesis, clinical features, diagnosis and treatment 11. Disorders of pigmentation - Melanin synthesis, clinical features, diagnosis and treatment of vitiligo, melasma 12. Disorders of Hair – structure of hair follicle, hair cycle, causes, clinical features, diagnosis and management of alopecia 13. Urticaria and angioedema: etiology, clinical features, diagnosis and treatment 14. Cutaneous drug reactions: clinical features, diagnosis and treatment of urticaria, fixed drug eruption, SJS-TEN 17. Cutaneous drug reactions: clinical features, diagnosis and treatment of urticaria, fixed drug eruption, SJS-TEN 18. HIV infection: etiology, pathogenesis, cutaneous manifestations, diagnostic tests and management. 19. Dermatological emergencies and acute skin failure – causes, clinical features and management 20. Topical corticosteroids – classification, mechanism of action, uses, adverse effects <p>Desirable to know:</p> <ol style="list-style-type: none"> 1. Genodermatoses – neurofibromatosis, tuberous sclerosis 2. Systemic disease and the skin: cutaneous manifestations of diabetes mellitus and thyroid dysfunction 3. Phototherapy in dermatology <p>Nice to know:</p> <ol style="list-style-type: none"> 1. Introduction to dermatosurgery, Lasers, and aesthetic dermatology: electrocautery, cryosurgery, chemical cautery, vitiligo surgery, hair transplantation, chemical peeling, botulinum toxin, dermal fillers, laser hair reduction 2. Disorders of Nails – structure of nail unit, nail changes in dermatological and systemic disease

2. Venereology	Sexually transmitted diseases: etiology, clinical features, diagnosis and treatment of syphilis, Gonococcal and Non-gonococcal infections, Chancroid, LGV, Donovanosis, Herpes genitalis, genital warts, Syndromic approach to the diagnosis and management of sexually transmitted diseases
3. Leprology	Hansen's disease – etiology, classification, histopathology, clinical presentation, diagnosis, management, lepra reactions

4. Teaching programme

4.1 Semester wise teaching hours

Semester	Lectures (hrs)	Seminar, Demonstration, integrated Teaching, Tutorial (hrs)	SDL (hrs)	Practicals/Clinical (hrs)
6th semester	19 hrs	5 hrs (integrated teaching)	NA	NA
7 th semester	NA	NA	NA	4 Weeks (clinical postings)
Total	19 hrs	5 hrs	NA	4 weeks = 72 hrs (for every batch)
Total theory teaching hours	24 hrs			

4.2 Teaching Learning Method

S.No	List of topics	Lecture (Hours)	Integrated teaching (Hours)	Practical/Clinics (Hours)
1.	Introduction to dermatology	1	1 (Integrated with Anatomy)	4
2.	Bacterial skin infections	1		4
3.	Fungal skin infections	1		4
4.	Viral skin infections	1		4
5.	Infestations	1		4
6.	Disorders of pigmentation	1		4
7.	Eczema	1		4
8.	Vesiculobullous disorders	1		4
9.	Papulosquamous disorders	1		4
10.	Adverse cutaneous drug reactions and urticaria	1		4

11.	Acne vulgaris and rosacea	1		4
12.	Nutritional dermatoses	1		4
13.	Cutaneous manifestations of systemic disease	2	1 hr (Integrated with Gen Medicine)	4
14.	Hair disorders	1		4
15.	Topical therapy	1	1 hr (Integrated with Pharmacology)	4
16.	Leprosy	3	1 hr (Integrated with Community medicine & Microbiology)	4
17.	Sexually transmitted diseases inc HIV-AIDS	4	1 hr (Integrated with Pathology)	4
18.	Dermatological emergencies and acute skin failure	1		4

19. Assessment plan

19.1 List certifiable competencies: NA

19.2 Internal Assessment

IA number	Theory (question types & marks)	Theory Timing (semester)	Practical (Pattern & marks)	Practical Timing (semester)
IA 1	Dermatology – 4 SAQ (3 Marks each) Venereology – 2 SAQ (2 marks each) Leprology – 2 SAQ (2 marks each) Total marks – 20 marks	After completion of 6 th semester	12 clinical images (1 mark each) Instruments - 4 marks Drugs – 4 marks Total marks - 20	After completion of clinical posting in 7 th semester
Pre professional	Dermatology – 1 LAQ (5 Marks) and 4 SAQ (2 marks each) Venereology – 2 SAQ (3 marks each) Leprology – 2 SAQ (3 marks each) Total marks – 25 marks	After completion of 9 th semester (along with General Medicine)	12 clinical images (1 mark each) Instruments - 4 marks Drugs – 4 marks Total marks - 20	After completion of 9 th semester

Note

1. Eligibility criteria to appear in final professional exam: Students must score minimum 35% marks in theory and practicals separately

2. A minimum attendance of 75% in clinical posting is mandatory to appear for Internal Assessment Practical exam (End posting examination)
3. A minimum of 75% attendance is mandatory in both theory and practical for appearing in Final Professional Exam
4. Internal Assessment marks will not be added in the final professional exam

19.3 Summative Assessment

Theory (Pattern & marks)	Total Marks	Professional Practical (Pattern & Marks)	Total Marks
Dermatology – 1 LAQ (5 Marks) and 4 SAQ (2 marks each)	25	10 clinical images (1 mark each) Instruments - 3 marks Drugs – 2 marks	15
Venereology – 2 SAQ (3 marks each)			
Leprosy – 2 SAQ (3 marks each)			
Total marks = 40			

19.4 Topic distribution for theory papers (wherever applicable) – N/A

20. Recommended Reading List

20.1 Textbooks:

S.NO	Author	Name of the Book	Edition
1	Neena Khanna and Saurabh Singh	Bhutani's Color Atlas of Dermatology	6th
2	Neena Khanna	Illustrated synopsis of Dermatology & Sexually transmitted diseases	7th
3	Vinod K Sharma	Sexually transmitted diseases & HIV AIDS	2 nd
4	Jopling, WH & Mc Dougall	Handbook of Leprosy	5th
5	Neena Khanna	Bhutani'S Color Atlas of Sexually Transmitted Infections	2 nd

20.2 Reference books:

1. IADVL Textbook of Dermatology