Syllabus/ Teaching Schedule

DERMATOLOGY, LEPROSY AND SEXUALLY TRANSMITTED DISEASES

FOR M. B. B. S.

1. GOAL:

The aim of teaching the undergraduate student in Dermatology, Sexually transmitted Diseases (STD) and Leprology is to impart such knowledge and skills that may enable him to diagnose and treat common ailments and to refer rare diseases or complications/ unusual manifestations of common diseases, to the specialist.

2. OBJECTIVES:

(a) KNOWLEDGE:

At the end of the course of Dermatology, Sexually Transmitted Diseases and Leprology, the student shall be able to:

- demonstrate sound knowledge of common diseases, their clinical manifestations, including emergent situations and of investigative procedures to confirm their diagnosis;
- demonstrate comprehensive knowledge of various modes of topical therapy;
- describe the mode of action of commonly used drugs, their doses, side effects/ toxicity, indications and contra- indications and interactions; describe commonly used modes of management including the medical and surgical procedures available for the treatment of various diseases and to offer a comprehensive plan of management for a given disorder

(b) SKILLS:

The student shall be able to:

- interview the patient, elicit relevant and correct information and describe the history in a chronological order;
- Conduct clinical examination, elicit and interpret physical findings and diagnose common disorders and emergencies;
• Perform simple, routine investigative and laboratory procedures required for making the bed-side diagnosis, especially the examination of scrapings for fungus, preparation of slit smears and staining for AFB for leprosy patients and for STD cases;

• Take a skin biopsy for diagnostic purposes.

• Manage common diseases recognizing the need for referral for specialized care, in case of inappropriateness of therapeutic response.

(3) PRESCRIBED TEACHING HOURS

Following minimum teaching hours are prescribed for MBBS students in Dermatology, Venereology & Leprosy-

(1) Theory Lectures = 30 hours to be held from 4th semester onwards include 20 hours of didactic lectures and 10 hours of seminars/demonstrations.

(2) Clinical postings = for each student of 3 hours duration for a total of 6 weeks (for 2 weeks each during 4th, 6th and 8th semesters respectively)

(4) TEACHING ROASTER FOR M.B.B.S.

DIDACTIC LECTURES

Sr. No. Topic

1. History taking and Clinical examination in dermatology

2. Bacterial infections

3. Fungal infections

4. Viral infections

5. Cutaneous TB

6. Leprosy-I

7. Leprosy-II

8. Eczema-I

9. Eczema-II

10. Parasitic diseases of skin (Scabies, Pediculosis)

11. STDs-I (Syphilis)

12. STDs-II (other genital ulcer dis.)
13. STDs-III (Genital Discharge)
14. Cutaneous manifestations of HIV infection
15. Vesiculobullous diseases-I (Pemphigus)
16. Vesiculobullous diseases-II (Pemphigoid, DH)
17. Pigmentary disorders of skin (Vitiligo, melasma)
18. Disorders of skin appendages (Acne, Rosacea)
19. Papulosquamous disorders-I (Psoriasis)
20. Papulosquamous disorders-II (Lichen Planus, Pityriasis rosea)
21. Disorders of hair/nails/mucous membranes
22. Urticaria, angioedema
23. Cutaneous manifestations of systemic diseases
24. Connective tissue diseases of skin (DLE, SLE, others)
25. Non infective granulomatous diseases of skin
26. Metabolic and nutritional skin diseases
27. Skin diseases due to physical agents
28. Drug eruptions
29. Cutaneous photobiology

SEMINARS

Sr. No.  Topic

1. Structure and function of skin/hair/nails
2. Diagnosis of skin diseases
3. History taking, clinical examination and Lab diagnosis in STD Patients
4. Melanogenesis and related disorders
5. Syndromic management of STIs  Keratinization
6. Corticosteroids in dermatology
7. Management of leprosy with emphasis on reduction of disability and rehabilitation
8. Systemic Drug therapy in dermatology
9. Topical therapy in dermatology
10. Allergy & immunological reactions in relation to dermatology

(5) For interns:

An intern must be able to-

1. Conduct proper clinical examination, elicit and interpret physical findings, and diagnose common disorders and emergencies.
2. Perform simple, routine investigative procedures for making bedside diagnosis, specially the examination of scrapping for fungus, preparation of slit smears and staining for AFB for leprosy patient and for STD cases.
3. Take a skin biopsy for diagnostic purpose.
4. Manage common diseases recognizing the need for referral for specialized care in case of inappropriateness of therapeutic response.

During their 15 days posting (optional) in the dept. Interns will be posted in:

-Wards
-OPD
-MOT/Lab/Phototherapy/LASER room

For Postgraduate Students

Name of the course:  M.D. (Dermatology, Venereology & Leprosy)

Date of application of the course: 2010 onwards

Name of the University:  Himachal Pradesh University, Shimla-171005

The principles of postgraduate training in Dermatology, Venereology and Leprosy are as follows:

1. Learning program will be essentially autonomous and self-directed. The formal teaching will be aimed at facilitating this effort.
2. The training of PG students will involve learning experiences derived from or targeted to the needs of the community.
Goals

The goal of post-graduate medical education in the subject shall be to produce competent specialist and / or medical teacher:

1. who will recognize the health needs of the community, and carry out professional obligations ethically and in keeping with the objectives of the national health policy
2. who will have mastered most of the competences, pertaining to the specialty, that are required to be practiced at the secondary and the tertiary levels of the health care delivery system
3. who will be aware of the contemporary advances and developments in this specialty
4. who will have acquired spirit of scientific enquiry and is oriented to the principles of research methodology and epidemiology
5. who will have acquired the basic skills in teaching of the medical and paramedical professionals

Objectives

At the end of post-graduate training in the specialty of Dermatology, Venereology and Leprosy shall be able to:

1. recognize the importance of this specialty in the context of the health needs of the community and the national priorities in the health sector
2. practice this specialty ethically and in step with the principles of primary health care
3. demonstrate sufficient understanding of the basic sciences relevant to this specialty
4. identify social, economic, environmental, biological, and emotional determinants of health in a given case & take then into account while planning therapeutic, rehabilitative, preventive, and promotive measures / strategies
5. diagnose and manage majority of the conditions in the specialty on the basis of clinical assessment, and appropriately selected and conducted investigations
6. plan and advise measures for the prevention and rehabilitation of patients suffering from diseases and disabilities related to the specialty
7. demonstrate skills in documentation of individual case details as well as morbidity and mortality data relevant to the assigned situation
8. demonstrate humane approach towards patients and their families and exhibit inter-personal behavior in accordance with the societal norms and expectations
9. play the assigned role in the implementation of national health programs effectively and responsibly
10. organize and supervise the chosen and assigned health care services demonstrating adequate managerial skills in the clinic / hospital or the field situation

11. develop skills as a self directed learner, recognize continuing educational needs, select and use appropriate learning resources

12. demonstrate competence in basic concepts of research, methodology, and epidemiology and be able to critically analyze relevant, published research literature

13. develop skills in using educational methods and techniques as applicable to the teaching of medical / nursing students, general physicians, and para-medical health workers.

14. function as an effective leader of a health team engaged in health care, research or training

**Postgraduate Teaching Schedule**

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<tr>
<th>Days</th>
<th>8 am Onwards</th>
<th>9:30 am to 1:30 pm</th>
<th>2 to 3 pm</th>
<th>3 to 4 pm</th>
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<tbody>
<tr>
<td>Mon</td>
<td>PG Seminar, Service Round</td>
<td>Dr Vikram Mahajan/ Dr. K S Mehta</td>
<td>UG Clinics*</td>
<td>General OPD/ Pigmentary Dermatoses Clinic</td>
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<tr>
<td>Tue</td>
<td>Teaching Round, All consultants/ Sr. Residents/ PG students, UG Class (8-9am)*</td>
<td>Dr P S Chauhan</td>
<td>UG Clinics*</td>
<td>General OPD/ Difficult Case Clinic</td>
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<tr>
<td>Wed</td>
<td>Service round by UG Class (8-9am)*</td>
<td>Dr K S Mehta</td>
<td>UG Clinics*</td>
<td>General OPD/ Contact Dermatitis Clinic</td>
</tr>
<tr>
<td>Thu</td>
<td>PG Seminar, Service round</td>
<td>Dr Vikram Mahajan/ Dr P S Chauhan</td>
<td>UG Clinics*</td>
<td>General OPD/ STI-RTI Clinic</td>
</tr>
<tr>
<td>Fri</td>
<td>Service round</td>
<td>Dr K S Mehta</td>
<td>UG Clinics*</td>
<td>General OPD/</td>
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<table>
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<tr>
<th>Sat</th>
<th>UG Class (8-9am)*</th>
<th>Leprosy Clinic</th>
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<tr>
<td></td>
<td>PG Journal Club, Service round</td>
<td>UG Clinics*</td>
</tr>
<tr>
<td></td>
<td>Dr Vikram Mahajan/ Dr P S Chauhan</td>
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1. Postgraduate residents will be joining the OPD’s immediately after the ward work and will be posted in different consultant OPDs for wider learning.

2. The postgraduate resident will be posted in clinical side lab and learn to perform and interpret special tests in relation to the specialty.

3. The postgraduate resident will perform dermatosurgery procedures under guidance.

4. The postgraduate resident will be given independent charge of indoor patients and will plan all the relevant investigations and treatment under the guidance of consultants /senior residents.

5. The postgraduate resident will submit their plan of thesis for approval before the end of 1st semester.

6. The postgraduate resident will teach the undergraduate students from 4th semester onwards.

7. The postgraduate resident will submit thesis before the end of 4th semester.

8. The postgraduate resident will be posted in rotation in the dept of medicine including psychiatry, pathology and microbiology in 5th semester.

9. The postgraduate residents will participate in NRHM’s multispecialty camps as a service to the rural community.

10. The postgraduate resident will participate in Scientific Conferences, CMEs, Workshops held by IADVL.

**Scheme of examination**

1. Part A Thesis

2. Part B Written papers (Theory)

3. Clinical and practical

4. Written papers (4 numbers each carrying 100 marks; Duration 3hours)

5. Paper 1 Basic sciences applied to the subject

6. Paper 2 Dermatology, Venereology and Leprosy

7. Paper 3 Recent advances
8. Paper 4 MCQs and short notes covering all of above

Details of syllabus

1. Paper 1 Paper 1 will contain questions from basic sciences as applied to the specialty covering Dermatology, Venereology and Leprosy. The component of Dermatology will be roughly 80% while of Venereology & Leprosy will be 20 %. Paper will be in the form of short notes, covering maximum number of topics

2. Paper 2 Paper 2 will contain clinical Dermatology component 60 % and Venereology & Leprosy 40%. This paper will contain 1 long question which should be clinical problem oriented.

3. Paper 3 Paper 3 will contain recent advances with Dermatology component 80% & Venereology & Leprosy 20 %.

4. Paper 4 Paper 4 will contain and at least 30 MCQ type questions covering all of above with single response type of one mark each and no negative marking and 7 Short notes of 10 marks each.