



Course Regime

Course: **SKIN AND VENEREAL DISEASES**

Study Programme:
Medicine

Year of the Course: 4th study year

Semester: Winter

Course type: Compulsory

Number of ECTS credits: 6

Lecturers: prof. dr. Tomaž Lunder, izr. prof. dr. Mateja Dolenc-Voljč

Participating Organisational Units (Departments and Institutes):

Institute of Microbiology and Immunology
Institute of Pathology
Institute of Pharmacology and Experimental Toxicology
Department of Public Health

Date of Issue: September 12, 2018

1. Course objectives

Students will acquire basic knowledge on the most common skin and sexual transmitted diseases. They will be able to recognise various skin lesions and to understand their aetiology and pathogenesis. Students will learn about differential diagnosis of the most common skin diseases, basic diagnostic tests and topical and systemic treatment in dermatology and venereology, epidemiology and preventive measures. Based on this knowledge, they will be able to create a diagnosis of skin diseases on the basis of patient's history, clinical presentation and the course of the disease.

Students will acquire knowledge of the most common skin manifestations of systemic diseases and influence of skin disease on the whole organism in physical and psycho-social meaning.

They will be informed about new topical and systemic treatment approaches and research in dermatology. They will be able to assess when specialist's treatment is needed.

2. Comprehensive outline of the course organisation

LECTURES

Lectures constitute of 16 hours of dermatovenereology and 4 hours of dermatologic surgery. Lectures are not obligatory for students, but are highly recommended, since the main topics of dermatovenereology will be presented with plenty of photographs of clinical pictures. Attending the lectures will make preparing for the exam easier and will help students to recognise skin diseases later on in their profession.

The following topics will be presented:

- Types of skin lesions
- Bacterial and viral skin infections
- Fungal and parasitic skin infections
- Allergic skin diseases
- Erythematous squamous skin disorders
- Seborrheic skin diseases
- Melanocytic nevi
- Precancerous skin lesions
- Malignant skin tumours
- Autoimmune bullous diseases
- Chronic venous insufficiency
- Sexually transmitted diseases

The content of the lectures concerning Plastic surgery will be provided by the Professor from the Department of surgery. Surgical treatment of malignant skin tumours, burn injuries, laser and aesthetic surgery will be presented.

SEMINARS

Seminars are obligatory. At least 80% of attendance is necessary to approach the written exam. Students will participate actively by preparing a specific topic in a group of students under the mentor's guidance. Some of the seminars are organised interdisciplinary in cooperation with invited teachers from the Institute of Microbiology and Immunology, Institute of Pathology,

Institute of Pharmacology and Experimental Toxicology and from the Department of Public Health.

The following topics will be presented:

- Herpes viruses and skin diseases
- Impetigo, cellulitis
- Acne
- Topical treatment in dermatology
- Systemic treatment in dermatology
- Melanoma
- Skin and UV radiation
- Lupus erythematosus, scleroderma, dermatomyositis
- Purpura and cutaneous vasculitis
- Venous ulcer
- Diseases of hair
- Syphilis
- Gonorrhoea
- Skin diseases in pregnancy
- Skin diseases in childhood
- Nail diseases
- Paraneoplastic skin diseases
- Skin manifestations of common internal diseases

All lectures and seminars will be presented in English.

CLINICAL ROTATIONS

Clinical rotations are obligatory for the whole extent (40 hours). They will take place at the Department of Dermatovenereology. Students will be divided into smaller groups and will attend the outpatient department and hospital wards, department for phototherapy, mycological and allergological laboratories, in order to see dermatological diseases in everyday clinical practise. Attendance at clinical rotations is necessary to approach the written exam.

3. Description of on-going assessment of knowledge and skills

Assessment of knowledge will take part while preparing and presentation of the seminars, and during clinical rotations, however it does not influence the final evaluation of the exam.

4. Required conditions for the final examination (Course Exam)

Requirements for the course exam are attendance at seminars (at least 80% of seminars), active participation in one seminar, and clinical rotations.

5. Final assessment and examination of knowledge and skills (Course Exam)

Exam is divided into written and oral part. Written exam includes 40 questions with a single correct answer and takes 40 minutes. Each correct answer value is 1 point. Positive assessment means, that at least 22 questions were answered correctly. Grade marks are as follows:

- 22 – 25 points: 6
- 26 – 29 points: 7
- 30 – 33 points: 8

- 34 – 37 points: 9
38 – 40 points: 10

Only students with positive marks at the written part of the exam can attend the oral exam. There are no partial exams.

Oral exams will be organised within four working days after the written part of the exam. Dates of the exams are stated in the Curriculum.

For the improvement of the grade mark, it is necessary to repeat the written and oral parts of the exam.

6. Other provisions

During the written exam it is not allowed to use:

- electronic devices, such as mobile phones, calculators, photographic cameras or other scanners, tablets, laptops, and other electronic devices,
- books, note-books and other written materials,
- bags, backpacks, jackets, coats and food.

It is not allowed to write down the written questions. Communication with other students and other ways of cheating is not allowed. The staff will take off the question form if students will not respect these rules. In this case it is not possible to proceed to oral exam.

If the exam will be performed for the fourth time and fifthly, the exam will be provided with a commission. If the exam will be performed for the sixth time, one of the members of the commission will be from other institute or department.

7. Fundamental study material and Supplement reading

Weller R, Hunter H, Mann M. CLINICAL DERMATOLOGY. Oxford: Blackwell, 2015.

8. Exam topics, clinical presentations and skills

Topics for the exam:

Bacterial skin infections

- Impetigo
- Folliculitis
- Furunculosis
- Carbuncle
- Paronychia
- Ecthyma
- Erythrasma
- Skin manifestations of borreliosis

Leprosy

Viral skin infections

- Herpes simplex
- Zoster
- Eczema herpeticatum
- Molluscum contagiosum

Condylomata acuminata

Fungal skin infections

- Pityriasis versicolor
- Infections caused by yeasts (Candidosis)
- Dermatophyte infections (Tinea)

Parasitic skin infections

- Scabies
- Pediculosis
- Demodicosis

Erythematous skin diseases

- Psoriasis vulgaris
- Pityriasis rosea
- Lichen ruber planus
- Parapsoriasis

Allergic skin diseases

- Allergic contact dermatitis (Eczema vulgare)
- Irritant contact dermatitis
- Atopic dermatitis
- Urticaria
- Angioedema
- Medicamentous exanthema
- Prurigo

Autoimmune bullous dermatosis

- Pemphigus vulgaris
- Bullous pemphigoid
- Dermatitis herpetiformis Duhring

Seborrheic skin diseases

- Seborrhoea
- Seborrheic dermatitis
- Rosacea
- Dermatitis perioralis
- Acne
- Demodicosis

Connective tissue diseases

- Scleroderma (morphea)
- Lichen sclerosus et atrophicus
- Lupus erythematosus
- Dermatomyositis
- Cutaneous vasculitis

Reactive erythema

- Erythema nodosum
- Erythema exudativum multiforme
- Figurate erythema
- Nummular dermatitis

Photodermatosis

Benign skin tumors

- Lipoma
- Keloid
- Dermatofibroma
- Lentigo simplex

- Melanocytic nevi
- Haemangioma
- Nevus flammeus
- Seborrheic keratosis
- Sebaceous hyperplasia
- Fibroma molle
- Lentigo solaris
- Precancerous skin lesions
 - Mb. Bowen
 - Mb. Paget
 - Lentigo maligna
 - Keratosis actinica
 - Leukoplakia
- Malignant skin tumors
 - Carcinoma basocellulare
 - Carcinoma spinocellulare
 - Melanoma malignum
 - Keratoacanthoma
 - Kaposi sarcoma
 - Cutaneous lymphoma
- Hair diseases
 - Alopecia areata
 - Effluvium
 - Androgenetic alopecia
 - Scar alopecia (Pseudopelade)
 - Hidradenitis suppurativa
- Phlebology
 - Chronic venous insufficiency
 - Dermatitis hypostatica
 - Ulcus cruris (venous, arterial)
 - Thrombophlebitis
 - Lymphedema
 - Lymphangitis
 - Venous thrombosis
- Sexual transmitted diseases
 - Syphilis
 - Gonorrhoea
 - Ulcus molle
 - Genital herpes
 - Nongonococcal urethritis
- Skin manifestations of internal diseases
 - Pruritus
 - Skin manifestations of diabetes mellitus
 - Xanthomas
- Paraneoplastic skin diseases
- Granulomatous skin diseases
 - Granuloma annulare
 - Skin sarcoidosis
- Psychodermatology
 - Hyperhidrosis
 - Psychogenic pruritus

Dermatitis artefacta