



## Course Regime

Course: SKIN AND VENEREAL DISEASES

Study Programme:  
Medicine

Year of the Course: 4<sup>th</sup> study year

Semester:  
Winter                      Summer

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  
Department of Surgery

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## 1. Course objectives

Students will acquire basic knowledge about the most common skin and sexual transmitted diseases. They will be able to recognise various types of skin lesions and to understand their aetiology and pathogenesis. Students will learn about diagnostic tests, topical and systemic treatment, differential diagnosis of the most common skin and venereal diseases, epidemiology and preventive measures.

They will get familiar with the most common skin manifestations of non-dermatological systemic diseases and the influence of skin diseases on the whole organism in physical and psycho-social meaning.

Based on this knowledge, they will be able to create a diagnosis of skin and venereal diseases based on patient's history, clinical presentation, the course of the disease and diagnostic methods. Students will be able to use the knowledge acquired later in clinical practice and to assess when they can treat alone and 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 topics will be presented with plenty of clinical photographs.

The following topics will be presented:

- Types of skin lesions
- Bacterial and viral skin infections
- Fungal and parasitic skin infections
- Allergic skin diseases
- Erythemasquamous 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 include surgical treatment of malignant skin tumours, burn injuries, laser and aesthetic surgery. It will be organised by the Department of surgery.

### SEMINARS

Seminars constitute of 20 hours of dermatovenereology. Specific topics of skin and venereal diseases and skin diseases in different ages will be presented. Some of the seminars are organised interdisciplinary in cooperation with invited participating departments. Students will participate actively by preparing a specific topic under the mentor's guidance. At least 80% of attendance is necessary to approach the written exam.

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. Attendance at clinical rotations is necessary to approach the written exam.

In case of justified absence, the student will have to replace or substitute missing obligations, according to agreement with the head of the department.

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

On-going assessment of knowledge will take part while preparing and presentation of the seminars and during clinical rotations. 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 attendance at 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 mark at the written 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, it 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 another 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
- Erysipelas
- Ecthyma
- Erythrasma
- Skin manifestations of borreliosis
- Leprosy

Viral skin infections

- Herpes simplex
- Zoster
- Eczema herpeticum
- 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
  - Erythroderma
- Allergic skin diseases
  - Allergic contact dermatitis (Eczema vulgare)
  - Irritant contact dermatitis
  - Atopic dermatitis
  - Urticaria
  - Angioedema
  - Drug eruption
  - Prurigo
- Autoimmune bullous dermatosis
  - Pemphigus vulgaris
  - Bullous pemphigoid
  - Dermatitis herpetiformis Duhring
- Seborrheic skin diseases
  - Seborrhoea
  - Seborrheic dermatitis
  - Rosacea
  - Perioral dermatitis
  - Acne
  - Demodicosis
- Diseases of sweat glands
  - Diseases of eccrine glands (hyperhidrosis, miliaria)
  - Diseases of apocrine glands
- Connective tissue diseases
  - Scleroderma (morphea)
  - Lichen sclerosus et atrophicus
  - Lupus erythematosus
  - Dermatomyositis
  - Systemic scleroderma
- Cutaneous vasculitis
- Reactive erythema
  - Erythema nodosum
  - Erythema exudativum multiforme
  - Figurate erythema
  - Nummular dermatitis
- Photodermatoses
  - Polymorphous light eruption
  - Phototoxic dermatitis
  - Photoallergic dermatitis

#### Benign skin tumors

- Lipoma
- Keloid
- Dermatofibroma
- Neurofibroma
- 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
- Leucoplakia

#### Malignant skin tumors

- Carcinoma basocellulare
- Carcinoma spinocellulare
- Melanoma
- Keratoacanthoma
- Cutaneous lymphoma
- Kaposi sarcoma
- Cutaneous metastases

#### Hair diseases

- Alopecia areata
- Effluvium
- Androgenetic alopecia
- Scar alopecia (Pseudopelade)
- Hidradenitis suppurativa

#### Phlebology

- Chronic venous insufficiency
- Dermatitis hypostatica
- Ulcus cruris (venous, arterial)
- Thrombophlebitis
- Venous thrombosis
- Lymphedema
- Lymphangitis

#### Sexual transmitted diseases

- Syphilis
- Gonorrhoea
- Ulcus molle
- Genital herpes
- Nongonococcal urethritis
- Lymphogranuloma venereum
- Granuloma inguinale
- Skin manifestations in AIDS

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

- Trichotillomania

Other topics

- Disorders caused by mechanical and physical damage

- Skin diseases in childhood

- Skin diseases in pregnancy

- Skin diseases in elderly

## **9. Other information**

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