University in Rijeka
Faculty of Dental Medicine

Course: Dermatovenereology
Course coordinator: Professor Ines Brajac, MD, PhD
Department: Department of Dermatovenerology
Study programme: Integrated Undergraduate and Graduate University Study of Dental medicine in English
Study year: 3rd year
Academic year: 2023/2024

SYLABBUS

Information about the course (brief description of the course, general instructions, where and in what form the classes are organized, necessary accessories, instructions on attendance and preparation for classes, student obligations, etc.):

The **Dermatovenerology** is the third-year compulsory course of the Integrated Undergraduate and Graduate University Study of Dental Medicine and consists of 10 hours of lectures and 5 hours of practicals, a total of 15 hours (1.5 ECTS). The course is held in the premises of the Dental Medicine Faculty and Dermatovenerology Clinic of the Rijeka Clinical Hospital Center.
The course is part of Clinical Medicine 1.

The **aim of the dermatovenerology course** is to define and describe the basic dermatovenerological diseases and the basic concepts of dermatological propaedeutics, as well as to describe and perform the usual dermatological laboratory diagnostic tests (mycological analysis, allergological tests, serological and immunofluorescent tests). A special emphasis will be placed on certain groups of dermatoses and dermatovenerological diseases that are manifested by the changes of the oral cavity mucous membranes.

The course content as follows:
Meaning of dermatology in dental medicine, skin structure and efflorescence (introductory part). Diseases of the mucous membrane of the oral cavity. Sexually transmitted diseases. Infectious diseases (selected viral, fungal and bacterial skin diseases). Autoimmune and bullous dermatoses. Erythematosquamous skin diseases. Allergic diseases. Benign and malignant skin tumors (carcinomas, melanoma).

Course description:
The course is conducted in the form of lectures and practicals. The expected total duration of the course is one week. During the practicals, the instructor demonstrates the given subjects and supervises the students´s active participation in the practicals. Instructors discuss with students the specifics of performing individual practical. During the class there will be a midterm written exam, and at the end of the class there will be a final written exam. By completing all teaching activities and taking the mid-term and final exams, the student earns 1.5 ECTS credits.

Assigned reading:

Gawkrodger DJ. Dermatology: An Illustrated Colour Text. 7th Edition, Elsevier Ltd., 2021.
Stoopler E, Sollecito T. Oral Medicine in Dermatology. 1st Edition, Elsevier Ltd., 2020.

Optional reading:

Fakhry C et al. Oral cancer. Evaluation, Therapy, and Rehabilitation. Thieme, 2020.
Surber C et al. Topical Applications and the Mucosa. Karger, 2011.

COURSE TEACHING PLAN:

The list of lectures (topics and description):

1. Skin structure and efflorescences
Learning outcomes:
- to classify, define and describe skin efflorescences
- to explain the basic structure and function of the skin and mucous membranes

2. Diseases of the mucous membrane of the oral cavity
Learning outcomes:
- to explain the characteristics of the mucous membrane of the oral cavity
- to list and explain the dermatoses that manifest on the mucous membrane of the oral cavity
- to list the most common syndromes related to the oral mucosa and tongue
- to list and explain the diagnostic procedures for the most common diseases of the mucous membrane of the oral cavity
- to explain the treatment of the most common diseases of the mucous membrane of the oral cavity (cheilitis, glossitis, gingivitis)

3. Sexually transmited diseases
Learning outcomes:
- to classify the most common sexually transmitted diseases
- to define the basic principles of approach to a patient with a sexually transmitted disease
- to explain the oral manifestations of sexually transmitted diseases
- to define and describe diagnostic and therapeutic algorithms of sexually transmitted diseases

4. Infectious diseases (herpes simplex, herpes zoster, candidiasis, impetigo, furunculus, erysipelas)
Learning outcomes:
- to define and describe selected viral, fungal and bacterial skin diseases
- to define the basic principles of approach to a patient with an infectious disease
- to list and explain diagnostic procedures and modern methods of treatment

5. Autoimmune disease
Learning outcomes:
- to classify autoimmune skin diseases
- to explain the mechanisms of autoimmune skin diseases
- to define and describe the most common autoimmune skin diseases
- to list and explain the diagnostic procedures for the most common autoimmune skin diseases (lupus, scleroderma, dermatomyositis)
- to explain the treatment of autoimmune skin diseases

6. Erythematosquamous diseases
Learning outcomes:
- to classify erythematosquamous skin diseases
- to define and describe the most significant erythematosquamous skin diseases (psoriasis and lichen

planus)
- to list and explain the physical phenomena that appear on the skin in patients with psoriasis
- to explain the treatment of erythematosquamous skin diseases

7. Bullous dermatoses

Learning outcomes:

- to classify bullous skin diseases
- to define and describe the most significant bullous skin diseases
- to list and explain the diagnostic procedures for the most significant bullous skin diseases (pemphigus vulgaris, bullous pemphigoid, dermatitis herpetiformis)
- to list and explain the diagnostic procedures for the most common bullous skin diseases
- to explain the treatment of bullous skin diseases

8. Allergic diseases

Learning outcomes:

- to classify allergic reactions
- to define and describe allergic diseases
- to list emergency conditions in dermatology (anaphylactic shock, acute urticaria, Quincke's edema)
- to explain the basic principles of treating emergency conditions in dermatology
- to state and explain diagnostic procedures for contact allergic dermatitis and atopic dermatitis
- to explain the treatment of allergic dermatoses

9. Benign tumors

Learning outcomes:

- to classify, define and describe the most common benign skin tumors (fibromas, hemangiomas, seborrheic keratoses)
- to explain the treatment of benign skin tumors

10. Malignant tumors

Learning outcomes:

- to classify, define and describe the most common malignant skin tumors (basal cell and squamous cell carcinoma, melanoma)
- to list and explain the diagnostic procedures for the most common malignant skin tumors
- to explain the therapeutic algorithms of the most common malignant skin tumors

The list of practicals (description):

1. Patient´s history and dermatological status (inpatient department)

- to explain history taking and dermatological status
- to define and describe skin efflorescences
- to list and explain the changes on the visible mucous membranes
- to explain the physical-diagnostic procedures of dermatosis (inspection, palpation, scraping of skin changes, vitropression, examination of the skin with a dermatoscope)
- to classify and explain local and systemic therapy in dermatology

2. Developing specific competencies in dermatovenereology field (inpatient department, surgical office)

- to explain the specific physical-diagnostic procedures of individual dermatoses (Koebner phenomenon, Nikolsky phenomenon, Darrier phenomenon)
- to explain the use of cryotherapy, electrocautery and electrocoagulation in the treatment of benign skin tumors, warts and keratoses

- to list and explain basic dermatosurgical procedures (biopsy, excision, applanation, incision, drainage)

3. Diagnostics of infectious diseases (laboratory for microbiology, mycology and parasitology)
- to describe and explain the identification of mycelia in the native preparation (identification of fungi)
- to describe and explain the macromorphological characteristics of the most common mushrooms in culture
- to describe and explain Wood's lamp examination
- to describe and explain the identification of the causative agent of itching in the native preparation

4. Diagnosis and treatment of chronic wounds (inpatient department, chronic wounds office, cabinet for Doppler diagnostics). - to classify vein diseases
- to describe and explain diagnostic procedures for venous diseases with an emphasis on Doppler ultrasound of the blood vessels of the lower extremities.
- to describe and explain the treatment of venous ulcers using dressings for moist wound healing

Diagnosis of allergic diseases (allergology office).
- to list and explain the diagnostic algorithms of allergic diseases (prick and epicutaneous allergy testing)
- to explain the emergency therapeutic procedure in case of anaphylactic shock

5. Diagnostics of autoimmune diseases (inpatient department, laboratory for immunofluorescence diagnostics)
- to list and explain diagnostic procedures for autoimmune and bullous skin diseases (direct and indirect immunofluorescence, ELISA)

Students obligations:

Students are required to attend and actively participate in all forms of classes regularly.

Assessment (exams, description of colloquium and written exam, the scoring criteria):

ECTS credit rating system:

Evaluation of students is carried out according to the valid **Rulebook on studies of the University of Rije**ka, and according to the **Rulebook on evaluation of students at the Faculty of Medicine in Rijeka** (adopted by the Faculty Council of the Faculty of Medicine in Rijeka).

The students' work will be evaluated during the course and in the final exam. Out of a total of **100 points**, a student can get **70 points** during classes, and **30 points** in the final exam.

Students are graded using the ECTS system (A-F). Grading in the ECTS system is carried out by **absolute distribution**.

The course Dermatovenerology will be held in the form of lectures and practicals. During the course, there will be one written mid-term exam and a written final exam at the end of the course. By completing all teaching activities and taking the mid-term and final exams, the student gains 1.5 ECTS points.

Students' work is evaluated during classes and on the final exam. By actively participating in classes and taking the mid-term exam, a student can collect a maximum of 70 grade points (70%). An additional 30 evaluation points (30%) are earned by the student in the final exam. Students are evaluated using the ECTS (A-F) system. Grading in the ECTS system is carried out by absolute distribution.

Out of the maximum 70 grade points that can be obtained during classes, the student must collect at least 30 grade points in order to take the final exam.

Students who collect 40 or more points during classes receive a final grade based on the sum of the points collected during classes and the points achieved on the final exam.

Students who collect between 30 and 39 grade points during classes (FX grade category) have the right to take the final exam, which is then considered a remedial exam and is not scored, and in that case the final

grade can only be sufficient - 2 E (50%).

Students who collect less than 30 evaluation points will have the opportunity after the first exam period for one additional attempt to access the intermediate exam. The achieved grade points are added up in the same way and the same rules apply as for students who have accumulated grade points during classes. If students do not achieve at least 30 grade points even with a second attempt to pass the intermediate exam, do not have the right to take the final exam and have to re-enroll in the course (grade category F).

A student can miss a maximum of 30% of each form of teaching solely for **health reasons**, which is justified by a medical certificate (excuse letter). Compensation of practicals is not possible. If a student, justified or unjustified, misses more than 30% of classes, he cannot continue attending the course and loses the opportunity to take the final exam. With this, he will collect 0 ECTS points and will be graded F.

EVALUATION OF STUDENT ACTIVITIES AND METHOD OF ACQUIRING GRADE POINTS

The student is obliged to prepare material for individual **practical** in order to actively discuss the given topic with the instructor and other students. The instructor evaluates the demonstrated activity and knowledge of the student during the exercises with a maximum of **10 evaluation points** (range 0-10 evaluation points).

During the course, a mandatory **mid-term exam** is taken in the form of a written test, which checks the knowledge acquired during the lectures and practicals. The test has 60 questions and carries a **maximum of 60 points**. The criterion for obtaining evaluation points is 50% of correct answers (≥30). The number of correct answers achieved, from 30 upwards, corresponds to the number of grade points achieved. The passed intermediate exam is not transferable, that is, it is valid only for the current academic year. The points obtained in the written test are converted into grade points in the following way:

Number of correct answers	Evaluation points
≤29	0
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47

48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60

The **final exam** is in the form of a written test. The test consists of 60 questions and carries **a maximum of 30 points**. The criterion for passing the exam and obtaining grade points is 50% of correct answers (≥30). The points obtained in the written test are converted into grade points in the following way:

Number of correct answers	**Evaluation points**
≤29	0
30	1
31	2
32	3
33	4
34	5
35	6
36	7
37	8
38	9
39	10
40	11
41	12
42	13
43	14
44	15
45	16
46	17
47	18
48	19
49	20

50	21
51	22
52	23
53	24
54	25
55	26
56	27
57	28
58	29
59	30
60	30

Grading in the ECTS system is done by absolute distribution, that is, based on the final achievement:
A – 80 - 100% points
B – 70 – 79,9%
C – 60 – 69,9%
D – 50 – 59,9%
F – 40 – 49,9%

Final score as follows:
A = excellent (5)
B = very good (4)
C = good (3)
D = sufficient (2)
F = insufficient (1)

Scoring criteria	**Specific student´s activity**	**Scoring**
Activity during the practicals	Active monitoring of classes, activity and knowledge during practicals	10
Mid-term exam	Test with multiple choice tasks (written exam)	60
Final exam	Test with multiple choice tasks (written exam)	30
Total		**100**

Other important information regarding to the course:

Teaching contents and all information related to the course as well as exam dates are available on the web sites of the Department of Dermatovenerology.

COURSE SCHEDULE (for Academic year 2022/2023)

Date	Lectures (time and place)	Exams (time and place)	Practicals (time and place)	Instructor
16.10.2023. Monday	15.30-17.45 h **L1-2** **L3** Dermatology Clinic Seminar room Clinical Hospital Centre Rijeka (main building), 1st floor Krešimirova 42			Prof. Marija Kaštelan, MD, PhD Prof. Larisa Prpić Massari, MD, PhD
17.10.2023. Tuesday	14.00-18.00 h **L4, L6** **L5, L7** Dermatology Clinic Seminar room CHC Rijeka (main building), 1st floor Krešimirova 42			Prof. Marija Kaštelan, MD, PhD Prof. Larisa Prpić Massari, MD, PhD
18.10.2023. Wednesday	08.15-09.45 h **L8** **L9-10** Dermatology Clinic Seminar room CHC Rijeka (main building), 1st floor Krešimirova 42	11.15-12.15 h **Mid-term exam** Dermatology Clinic Seminar room CHC Rijeka (main building), 1st floor Krešimirova 42		Prof. Marija Kaštelan, MD, PhD Prof. Larisa Prpić Massari, MD, PhD
19.10.2023. Thursday			09.00-13.00 h **P1-5** Department of Dermatovenereology, CHC Rijeka, 1st floor	Marijana Vičić, MD, PhD Nika Hlača, MD
20.10.2023. Friday		15.30 h **Final exam** Dermatology Clinic Seminar room CHC Rijeka (main building), 1st floor Krešimirova 42		Marijana Vičić, MD, PhD Nika Hlača, MD .

List of lectures and practicals:

	LECTURES (topics)	Number of teaching hours	Place
L1	**Skin structure and efflorescences**	1	Dermatology Clinic Seminar room CHC Rijeka (main building), 1st floor Krešimirova 42
L2	**Diseases of the mucous membrane of the oral cavity**	1	-II-
L3	**Sexually transmitted diseases**	1	-II-
L4	**Infectious diseases**	1	-II-
L5	**Autoimmune disease**	1	-II-
L6	**Erythematosquamous diseases**	1	-II-
L7	**Bullous dermatoses**	1	-II-
L8	**Allergic diseases**	1	-II-
L9	**Benign tumors**	1	-II-
L10	**Malignant tumors**	1	-II-
	Total number of lectures	**10**	

	PRACTICALS (topics)	Number of teaching hours	Place
P1	**Patient´s history and dermatological status**	1	**Dpt. of Dermatovenereology – Inpatient ward**
P2	**Developing specific competencies in dermatovenereology field**	1	**Dpt. of Dermatovenereology - Inpatient ward, Surgical office**
P3	**Diagnostics of infectious diseases**	1	**Dpt. of Dermatovenereology, Laboratory for microbiology, mycology and parasitology**
P4	**Diagnosis and treatment of chronic wounds**	1	**Dpt. of Dermatovenereology - Inpatient ward, Chronic wounds office, Cabinet for Doppler diagnostics**

	Diagnosis of allergic diseases		**Allergology office**
P5	**Diagnostics of autoimmune diseases**	1	**Dpt. of Dermatovenereology - Inpatient ward, Laboratory for immunofluorescence diagnostics**
	Total number of practicals	**5**	

	Exam dates (final exam)
1.	**20.10.2023. (3.30 PM)**
2.	**12.02.2023. (4.30 PM)**
3.	**12.06.2023. (4.30 PM)**
4.	**04.09.2023. (4.30 PM)**
5.	
6.	
7.	