

Faculty of Medicine in Rijeka

**Curriculum
2024/2025**

For course

Adverse Cutaneous Drug Eruptions

Study program: **Medical Studies in English (R)** (elective)
University integrated undergraduate and graduate study

Department: **Department of Dermatovenereology**

Course coordinator: **prof. dr. sc. Peternel Sandra, dr. med.**

Year of study: **4**

ECTS: **1.5**

Incentive ECTS: **0 (0.00%)**

Foreign language: **Possibility of teaching in a foreign language**

Course information:

The aim of the course is to acquaint students with the most diverse forms of drug-induced rashes, including those that are rare but severe and life-threatening, as well as those that are more frequent, which every doctor encounters in his clinical practice, regardless of a specialist orientation.

A further goal is to acquaint students with reactions to new classes of drugs, including biological drugs (such as TNF antagonists, and other anti-cytokines which are increasingly being used in the treatment of numerous inflammatory diseases in rheumatology, clinical immunology, gastroenterology and dermatology) and new oncological drugs (targeted therapy and tumor immunotherapy).

Course content:

- etiology and mechanisms of side effects to drugs (immunological and non-immunological, idiosyncratic)
- maculopapular exanthem, urticaria and angioedema, erythema multiforme, fixed erythema, baboon syndrome, annular erythema
- acneiform, psoriasiform and lichenoid rashes, drug-induced lupus, vasculitis, pemphigus and pemphigoid
- photosensitivity, hair and nail changes, pigmentation disorders
- life-threatening drug reactions: Stevens Johnson syndrome, toxic epidermal necrolysis, systemic drug hypersensitivity syndrome (DRESS/DIHS), acute generalized exanthematous pustulosis
- skin reactions to radiocontrast agents
- skin side effects of biological drugs (tumor necrosis factor antagonists and others)
- skin side effects of traditional and new oncology drugs (epidermal growth factor receptor antagonists, BRAF inhibitors, multikinase inhibitors, mTOR inhibitors, PD-1 antagonists)

List of assigned reading:

1. Spinčić A, Kaštelan M, Peternel S. DRESS/DIHS: teška multisistemska reakcija preosjetljivosti na lijek. *Medicina fluminensis* 2016;52(1):55-61. Dostupno na: http://hrcak.srce.hr/index.php?show=clanak&id_clanak_jezik=225244
2. Spinčić A, Kaštelan M, Peternel S. Stevens-Johnsonov sindrom i toksična epidermalna nekroliza. *Medicina fluminensis* 2016;52(2):176-184. Dostupno na: http://hrcak.srce.hr/index.php?show=clanak&id_clanak_jezik=233735
3. Blume JE. Drug Eruptions. *Medscape*. Dostupno na: <http://emedicine.medscape.com/article/1049474-overview>
4. <https://www.dermnetnz.org/topics/drug-eruptions/>
5. <https://emedicine.medscape.com/article/1063684-overview>
6. <https://www.medscape.com/viewarticle/910657>
7. <https://dermnetnz.org/topics/cutaneous-adverse-effects-of-anticonvulsant-drugs/>
8. <https://www.dermnetnz.org/topics/sulfa-drugs-and-the-skin/>
9. <https://www.dermnetnz.org/topics/cutaneous-side-effects-of-egfr-and-protein-kinase-inhibitors/>
10. <https://dermnetnz.org/topics/tumour-necrosis-factor-inhibitors/>
11. <https://dermnetnz.org/topics/drug-induced-psoriasis/>
12. <https://www.dermnetnz.org/topics/hand-foot-syndrome/>
13. <https://www.dermnetnz.org/topics/skin-toxicity-of-chemotherapy-drugs/>
14. <https://www.dermnetnz.org/topics/flagellate-erythema/>

List of optional reading:

Curriculum:

Seminars list (with titles and explanation):

S1-S5

S6-S10

S11-S15

S16-S20

S21-S25

Student obligations:

During class, each student is required to prepare and present a seminar paper on a given topic in the form of a Powerpoint presentation in front of other participants, which must also include 3 take-away messages.

Exam (exam taking, description of the written/oral/practical part of the exam, point distribution, grading criteria):

Based on the quality of the presented seminar and activity during class discussions, the student can receive a maximum of 70 points.

The final exam is a written test. It consists of 10 questions and carries a total of 30 evaluation points. The student passes the exam if he/she answers at least 8 questions correctly, i.e. obtains 16 grade points. The grade points obtained in the exam are added to the points obtained in the class, and their sum makes up the total grade.

Other notes (related to the course) important for students:

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COURSE HOURS 2024/2025

Adverse Cutaneous Drug Eruptions

Seminars (Place and time or group)
23.06.2025
S1-S5: <ul style="list-style-type: none">• Department of dermatovenerology KBC Rijeka (14:00 - 18:30) [255]<ul style="list-style-type: none">◦ ACDE
prof. dr. sc. Peternel Sandra, dr. med. [255]
24.06.2025
S6-S10: <ul style="list-style-type: none">• Department of dermatovenerology KBC Rijeka (14:00 - 18:30) [255]<ul style="list-style-type: none">◦ ACDE
prof. dr. sc. Peternel Sandra, dr. med. [255]
25.06.2025
S11-S15: <ul style="list-style-type: none">• Department of dermatovenerology KBC Rijeka (08:30 - 13:00) [255]<ul style="list-style-type: none">◦ ACDE
prof. dr. sc. Peternel Sandra, dr. med. [255]
26.06.2025
S16-S20: <ul style="list-style-type: none">• Department of dermatovenerology KBC Rijeka (14:00 - 18:30) [255]<ul style="list-style-type: none">◦ ACDE
prof. dr. sc. Peternel Sandra, dr. med. [255]
27.06.2025
S21-S25: <ul style="list-style-type: none">• Department of dermatovenerology KBC Rijeka (08:30 - 13:00) [255]<ul style="list-style-type: none">◦ ACDE
prof. dr. sc. Peternel Sandra, dr. med. [255]

List of lectures, seminars and practicals:

SEMINARS (TOPIC)	Number of hours	Location
S1-S5	5	Department of dermatovenerology KBC Rijeka
S6-S10	5	Department of dermatovenerology KBC Rijeka
S11-S15	5	Department of dermatovenerology KBC Rijeka
S16-S20	5	Department of dermatovenerology KBC Rijeka
S21-S25	5	Department of dermatovenerology KBC Rijeka

EXAM DATES (final exam):
