Sveučilište u Rijeci
University of Rijeka

Sveučilište u Rijeci • Fakultet dentalne medicine
University of Rijeka • Faculty of Dental Medicine
Krešimirova 40/42 • 51000 Rijeka • CROATIA
Phone : + 385 51 559 200; 559 202, 559 203

Course: Preclinical oral surgery
Course Coordinator: Prof. dr.sc. Tomislav Ćabov, MD.Dent
Course Collaborators: Marko Blašković , MD.Dent. , Iva Zeneral Žuža, MD.Dent.
Department: Department of Oral Surgery
Study program: University Integrated Undergraduate and Graduate Study of Dental Medicine (in English)
Study year: 4th year
Academic year: 2023./24.

SYLLABUS

The Preclinical Oral Surgery course is a mandatory course in the fourth year (7th semester) of the Integrated Undergraduate and Graduate University Study in Dental Medicine and consists of 15 hours of lectures and 10 hours of exercises and 5 hours of seminars, a total of 30 hours (1.5 ECTS). The course is held in the premises of the Faculty of Dental Medicine.

Goal:
The purpose of the course is to acquaint students with the basic goals and tasks of oral surgery as a specialist branch of dentistry, to explain the goals and tasks of the study program in oral surgery, and to train students to perform the most common procedures according to the program of clinical exercises from the oral surgery course. The student must master the theoretical and practical knowledge of local anesthesia and tooth extraction, as well as possible complications, so that after passing the exam before enrolling in the 8th semester, he will be able to participate in clinical exercises.

Course content:
Teaching is based on lectures, seminars and preclinical exercises on phantoms, and begins with an introductory lecture on oral surgery as a subject and profession. The content of the course includes lectures in the field of local anesthesia and tooth extraction, as well as complications during and after anesthesia and extraction. At the same time and in parallel with the content taught, classes are also conducted in the form of pre-clinical seminars where, along with the demonstration of local anesthesia techniques and tooth extraction instruments, the student practices tooth extraction in a phantom workplace. The student is also introduced to the possibilities of disinfection and sterilization in oral surgery, and about the necessary preparations of the patient for surgery as well as postoperative care.

Conducting classes:
Teaching is conducted in the form of lectures, exercises and seminars.

Assigned reading:

1. Hupp JR, Ellis III E, Tucker MR. Contemporary Oral and Maxillofacial Surgery. Mosby-Elsevier. St.Louis;2008.
3.-69.str. Principles of surgery
73.-126.str. Principles of Exodontia
179.-199.str. Principles of Exodontia

2. Malamed S. Handbook of Local Anesthesia. Mosby. St. Louis;1997.

3. Little JW, Falace DA, Miller CS, Rhodus NL. Dental Managment of the Medically Compromised Patient. Mosby. St. Louis;2008.

COURSE TEACHING PLAN:

The list of lectures (with topics and descriptions):

L1. Introduction to oral surgery
Learning outcomes:
Explain the basics about the development of oral surgery

L2-3. Anatomy of the oral region
Learning outcomes:
Define basic knowledge of the anatomy of the oral region

L4. Disinfection and sterilization in oral surgery
Learning outcomes:
Define basic disinfection and sterilization procedures in oral surgery.

L5-6. Local anesthesia in oral surgery and local anesthetics
Learning outcomes:
Describe and explain the possibilities of achieving analgesia.
Explain the techniques of performing local anesthesia (plexus and conduction).
Classify local anesthetics in oral surgery.

L7-8. Techniques of performing local anesthesia
Learning outcomes:
Explain all the techniques of performing local anesthesia in oral surgery.

L9. Complications of general and local anesthesia
Learning outcomes:

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Explain possible early and late complications when applying local anesthesia.

L10-11. Instruments in oral surgery

Learning outcomes:
Recognize and describe instruments used in oral surgery.

L12-13. Extraction techniques
Learning outcomes:
Explain tooth extraction techniques.

L14. Complications during and after tooth extraction
Learning outcomes:
Explain possible complications during and after tooth extraction.

L15. Risk patients in oral surgery
Learning outcomes:
Explain the procedure for preparing patients for tooth extraction who belong to the risk group (systemic diseases, premedication or reduction of certain medications).

The list of seminars with descriptions:

S1-3 Techniques of performing local anesthesia
Learning outcomes:
Explain the techniques of administering local anesthesia on a phantom.

P4-5. Tooth extraction techniques
Learning outcomes:
Explain indications and contraindications for tooth extraction, extraction techniques on a phantom for individual teeth, and recognize instrumentation.
Explain local complications during and after tooth extraction.

The list of practicals with descriptions:

Outcome of knowledge learning:
Describe the techniques of performing plexus and conductive anesthesia.
State and explain the possibilities of achieving analgesia.
State the complications when applying local anesthesia.
Explain tooth extraction techniques (instrumentation, indications and contraindications, extraction techniques for individual teeth)
List and explain local complications during and after tooth extraction.

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Describe the procedure for preparing patients who belong to the risk group of patients.

Skill learning outcome:
Practice giving local anesthesia on a phantom.
Practice recognizing instruments.
Practice tooth extraction on a phantom.

Students' obligations:

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

Assessment (exams, description of written / oral / practical exam, the scoring criteria):

ECTS credit rating system:
Student evaluation is carried out according to the valid University of Rijeka study regulations. The students' work will be evaluated and evaluated during the course and in the final exam. Students are graded using the ECTS (A-F) and numerical system (1-5). 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 a minimum of 35 grade points in order to take the final exam. Students who have less than 50% of grade points during classes must re-enroll in the course.
The student acquires grade points by actively participating in classes, completing assigned tasks and taking midterm exams as follows:

I. During the class, the following are evaluated (maximum 70 points):

a) compulsory colloquium (up to 40 points)
The colloquium is a written test consisting of 40 questions. A minimum of 20 points is required to pass. Students who get less than 20 points will be able to retake the colloquium. A student who has less than 20 grade points and does not take the remedial colloquium cannot take the final exam and must re-enroll in the course.
b) activity in exercises and seminars (30 points) is scored as follows:

Average grade on an individual exercise (5-1)	Overall mean score of all exercises	Number of evaluation points
5	4,5- 5	30
4	3,5- 4,49	25
3	2,50- 3,49	20
2	2- 2,49	15
1	0- 1,99	0

A student can miss 30% of classes solely for health reasons, which is justified by a doctor's excuse. Attendance at lectures and exercises is mandatory. Compensation for exercises is possible with prior agreement with the supervisor of the exercise.
If a student, excused or unjustified, misses more than 30% of classes, he cannot continue following the course and loses the opportunity to take the final exam. With this, he collected 0 ECTS points and was graded F.

Final exam (30 marks in total)
The final exam is an oral exam.
In order to pass the final exam and the final evaluation (including the addition of previously achieved evaluation points during classes), the student must be positively evaluated on the final exam and achieve a minimum of 15 evaluation points (50%).

Grading in the ECTS system is done by absolute distribution, that is, based on the final achievement:

A – 90-100 evaluation points
B – 75-89,9 evaluation points
C – 60-74,9 evaluation points
D – 50-59,9 evaluation points
F– 0-49,9 evaluation points

The numerical grading system is compared with the ECTS system as follows:
Grades in the ECTS system are translated into a numerical system as follows:

A – excellent (5),
B – very good (4),
C – good (3),
D – sufficient (2).
F – insufficient (1).

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 website of the Department of Oral Surgery.

COURSE SCHEDULE (for the academic year 2023/2024)

Date	Lectures (time and place)	Seminars (time and place)	Practicals (time and place)	Instructor
2.10.2023	13.30-15.00 L1			Prof.dr.sc. T. Ćabov, dr.med.dent.

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5.10.2023.				Marko Blašković, dr. med. dent.
			16:15-17:00 P1 D	Iva Žuža Zeneral , dr. med. dent.
9.10.2023.	13.30-15.00 L2			Prof.dr.sc. T. Ćabov, dr.med.dent.
12.10.2023.				Marko Blašković, dr. med. dent.
			16:15-17:00 P2 D	Iva Žuža Zeneral, dr. med. dent.
16.10.2023.	13.30-15.00 L3			Prof.dr.sc. T. Ćabov, dr.med.dent.
19.10.2023.				Marko Blašković, dr. med. dent.
			16:15-17:00 P3 D	Iva Žuža Zeneral, dr. med. dent.
23.10.2023.	13.30-15.00 L4			Prof.dr.sc. T. Ćabov, dr.med.dent.
26.10.2023.				Marko Blašković, dr. med. dent.
			16:15-17:00 P4 D	Iva Žuža Zeneral, dr. med. dent.
30.10.2023.	13.30-15.00 L5			Prof.dr.sc. T. Ćabov, dr.med.dent.
2.11.2023.				Marko Blašković, dr. med. dent.
			16:15-17:00 P5 D	Iva Žuža Zeneral, dr. med. dent.
6.11.2023.	13.30-15.00 L6			Prof.dr.sc. T. Ćabov, dr.med.dent.
9.11.2003.				Marko Blašković, dr. med. dent.
			16:15-17:00 P6 D	Iva Žuža Zeneral, dr. med. dent.
13.11.2023.	13.30-15.00 L7			Prof.dr.sc. T. Ćabov, dr.med.dent.

16.11.2023.				Marko Blašković, dr. med. dent.
			16:15-17:00 P7 D	Iva Žuža Zeneral, dr. med. dent.
20.11.2023.	13.30-15.00 L8			Prof.dr.sc. T. Ćabov, dr.med.dent.
23.11.2023.				Marko Blašković, dr. med. dent.
			16:15-17:00 P8 D	Iva Žuža Zeneral, dr. med. dent.
27.11.2023.	13.30-15.00 L9			Prof.dr.sc. T. Ćabov, dr.med.dent.
30.11.2023.				Marko Blašković, dr. med. dent.
			16:15-17:00 P9 D	Iva Žuža Zeneral, dr. med. dent.
4.12.2023.	13.30-15.00 L10			Prof.dr.sc. T. Ćabov, dr.med.dent.
7.12.2023.				Marko Blašković, dr. med. dent.
			16:15-17:00 P10 D	Iva Žuža Zeneral, dr. med. dent.
11.12.2023.	13.30-15.00 L11			Prof.dr.sc. T. Ćabov, dr.med.dent.
14.12.2023.				Marko Blašković, dr. med. dent.
		16:15-17:00 S1 D		Iva Žuža Zeneral, dr. med. dent.
18.12.2023.	13.30-15.00 L12			Prof.dr.sc. T. Ćabov, dr.med.dent.
21.12.2023.				Marko Blašković, dr. med. dent.
		16:15-17:00 S2 D		Iva Žuža Zeneral, dr. med. dent.
8.1.2023.	13.30-15.00 L13			Prof.dr.sc. T. Ćabov, dr.med.dent.

11.1.2024.				Marko Blašković, dr. med. dent.
		16:15-17:00 S2 D		Iva Žuža Zeneral, dr. med. dent.
15.01.2024.	13.30-15.00 L14			Prof.dr.sc. T. Ćabov, dr.med.dent.
18.1.2024.				Marko Blašković, dr. med. dent.
		16:15-17:00 S4 D		Iva Žuža Zeneral, dr. med. dent.
22.1.2024.	13.30-15.00 L15			Prof.dr.sc. T. Ćabov, dr.med.dent.
25.01.2024.				Marko Blašković, dr. med. dent.
		16:15-17:00 S5 D		Iva Žuža Zeneral, dr. med. dent.

List of lectures, seminars and practicals:

	LECTURES (Topics)	Teaching hours	Location/Lecture room
L1	Introduction to oral surgery	1	Krešimirova 42
L2-L3	Anatomy of the oral region	2	Krešimirova 42
L4	Disinfection and sterilization in oral surgery	1	Krešimirova 42
L5-6	Local anesthesia in oral surgery and local anesthetics	2	Krešimirova 42
L7-L8	Techniques of performing local anesthesia	2	Krešimirova 42
L9	Complications of general and local anesthesia	1	Krešimirova 42
L10-L11	Instruments in oral surgery	2	Krešimirova 42
L12-L13	Extraction techniques	2	Krešimirova 42
L14	Complications during and after tooth extraction	1	Krešimirova 42

L15	Risk patients on oral surgery	1	Krešimirova 42
	TOTAL TEACHING HOURS	**15**	

	SEMINARS (Topics)	Teaching hours	Location/Lecture room
S1-S3	Techniques of performing local anesthesia	3	Krešimirova 42
S4-S5	Tooth extraction techniques	2	Krešimirova 42
	TOTAL TEACHING HOURS	**5**	

	PRACTICALS (Topics)	Teaching hours	Location/Lecture room
P1	Getting to know the workplace	1	Krešimirova 42
P2	Demonstration of the position when working on a patient (phantom)	1	Krešimirova 42
P3	Demonstration of surface anesthesia and terminal anesthesia on the phantom	1	Krešimirova 42
P4	Demonstration of conductive local anesthesia on a model	1	Krešimirova 42
P5	Conductive anesthesia of N. alveolaris inf.	1	Krešimirova 42
P6	Complications of local anesthesia	1	Krešimirova 42
P7	Instruments for tooth extraction	1	Krešimirova 42
P8	Tooth extraction techniques	1	Krešimirova 42
P9	Complications after tooth extraction	1	Krešimirova 42
P10	Risk patients in oral surgery	1	Krešimirova 42
	TOTAL TEACHING HOURS	10	

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	FINAL EXAM DATES
1.	9.02.2024.
2.	23.02.2024.

	Lectures	Seminars	Practicals	Total
Total number	15	5	10	30
On-line				
Percentage				