

**COURSE SYLLABUS
ORAL AND MAXILLOFACIAL SURGERY I.**

Semmelweis University Faculty of Dentistry, Dentistry
Name of the course: Oral and Maxillofacial Surgery I.
Credit value: 4
Lessons (in hours in the whole semester): 56, from this lectures: 14 practicals: 42 seminars: 0
Type of the course: compulsory
Semester in which it is announced according to the curriculum: 6th
Frequency of announcement: per semester
The responsible educational and research organizational unit for teaching the subject: Department of Oro-Maxillofacial Surgery and Stomatology
Academic year: 2023/2024 II. semester
Subject (Neptun) code¹: FOKOSZB353_1A
Lecturer of the course: Dr. med. habil. Zsolt Németh, director Academic position: associate professor Telephone: 06 1 266 0456
The goals and place of the course in regards to the education of dental students: The aim of the course is to provide all the necessary skills and knowledge for future dentists, that enables them to perform basic oral surgical procedures under supervisory control.
Location of the course: Department of Oro-Maxillofacial Surgery and Stomatology, Budapest, 1085 Mária utca 52. lecture hall, seminar rooms No. I. and II.
Competences necessary to be completed for the course: Skill-level diagnosis and differential diagnosis of oral surgical diseases occurring during dental practice. Theoretical knowledge of therapeutic options and independent solution of simple cases.
Pre-study requirements and prerequisites of course registration and completion: General and Oral Pathophysiology, Pathology, Oral and maxillofacial Surgery, Pre-clinical course In case of a multi-semester subject, the standpoint of the educational-research unit on the concurrent subject registration and on the requirements of permission thereof: It is not possible
Number of students required for the course (min., max.): The number of students on each course will be determined according to the expected number of students, taking our educational capacity into consideration. Each course will be held as declared in the rules of small-group education.
Method of course registration: Via the Neptun system
Detailed course/lecture description²: Lectures: <ol style="list-style-type: none"> 1. Clinical examination, symptoms and diagnostics in oral surgery. Dentist-patient relationship. 2. Local anaesthesia I. The history of local anaesthesia. Physiological and psychological aspects of pain. Technical possibilities. 3. Local anaesthesia II. The pharmacological properties of local anaesthetic drugs. The mode of action of local anaesthetics. The composition of local anaesthetic preparations. Indications, contraindications. 4. Local anaesthesia III. The technique of local anaesthesia. Generally used techniques for terminal (infiltrative) and block anaesthesia. 5. Local anaesthesia IV. Special techniques for local anaesthesia. Ganglion blockade. Intraligamentary anaesthesia. Anaesthesia of inflamed tissues.

6. Local anaesthesia V. Complications of local anaesthesia. Active agent induced complications. Technical complications.
7. Pathology and special aspects of wound healing in the oral cavity. Characteristics of bone and soft tissue wound healing.
8. Operation technique in dentoalveolar surgery. (surgical tools, flaps, sutures)
9. Written midterm.
10. The operative technique of tooth removal I. Indications and contraindications of tooth removal. Biomechanical basis and surgical technique of tooth extraction.
11. The operative technique of tooth removal II. Surgical removal of teeth and roots.
12. The operative technique of tooth removal III. Complications.
13. The importance of various risk factors during the tooth extraction (radiotherapy, antiresorptive therapy, haemostats).
14. Consultation.

Practices:

- 1-5. week: Review of theoretical background. The theoretical background of local anaesthesia.
 6. week: Oral test.
 7-14. weeks: Anaesthesia, simple tooth removals (with forceps). Discussing the topics of the lectures.
 Continuous tracking of the students' progress (written and oral tests).

Lecturers and practice teachers:

Dentoalveolar surgery:

Specialists in dentoalveolar surgery:

Dr. Janka Bécser
 Dr. Kinga Bérczy
 Dr. Katalin Csurgay
 Dr. Attila Iványi
 Dr. Árpád F-Joób
 Dr. Dorottya Kiss
 Dr. György Komlós
 Dr. Szilvia Koncz
 Dr. Ferenc Koppány
 Dr. Petra Papócsi
 Dr. Kinga Renáta Körmöczi
 Dr. Attila Szűcs

Residentens:

Dr. Márton Ács
 Dr. Adrienn Beszedics
 Dr. Zitó Biczó
 Dr. Petra Bucsi
 Dr. Roland Decker
 Dr. Eszter Hardi
 Dr. Huba Donát Juhász
 Dr. Gábor Kammerhoffer
 Dr. Viet Huy Nguien
 Dr. Nóra Magyar
 Dr. Béla Régeni

Maxillofacial surgery:

Specialists in maxillofacial surgery:

Dr. Péter Barabás
 Dr. Sándor Bogdán
 Dr. Gergely Soma Csókay
 Dr. Tamás Huszár
 Dr. Péter Lilik
 Dr. Zsolt Németh
 Dr. Zsófia Somogyi
 Dr. Szófia Katalin Szentpéteri
 Dr. György Szabó
 Dr. Mihály Tamás Vaszilko
 Dr. Tamás Würsching

Residents:

Dr. Zatik Lőrinc
 Dr. Dora Ákos
 Dr. Györffy Anita
 Dr. Réka Stefanics

Lecturers from other institutions of Semmelweis University:

Dr. Tamás Vízkelety
Dr. Péter Magyar
Dr. Noémi Rózsa

Courses (*obligatory and optional*) which partially or entirely overlap the topics of the below listed courses:
Macroscopic anatomy, Periodontology, Oral Implantology

Required special academic work for completing the course³: None

Attendance on practices and lectures, make-ups in case of missed sessions: See appendix No. 1.

Method of checking acquired knowledge during the study period⁴: See in appendix No. 1.

Requirements of an accepted semester: See in appendix No. 1.

Type of the exam: Practice mark

Grading of courses⁴: The evaluation of the practice mark is described in subject requirement appendix No. 1. Practical course grades vary between 1 and 5.

The possibility and requirements of an offered grade: It is not possible

List of textbooks, lecture notes and recommended textbooks:

List of compulsory textbooks:

György Szabó: Oral and Maxillofacial Surgery, Semmelweis Kiadó Budapest, 2001

Recommended literature:

Howe. A Minor Oral Surgery, Wright, 1987

Howe: The Extraction of Teeth, Wright, 1990

Steward et al.: An Outline of Oral Surgery, Wright, 1998

Peterson: Contemporary Oral and Maxillofacial Surgery, Mosbı, 2003

Peterson: Principles of Oral and Maxillofacial Surgery, Decker, 2004

Robinson, Howe: Tooth Extraction. A practical guide, Oxford, 2000

Ward Booth, Hausamen, Schendel: Maxillofacial Surgery, C. Livingston Elsevier, 2007

No 1. appendix to Requirements in Oral and Maxillofacial Surgery I. 2023/2024/II. semester

- a. You may check the topics of the practices on separate sheet of paper.
- b. Attendance at the practices is obligatory and will be regularly checked. Attendance of the lectures is not mandatory and will be randomly checked but the absences does not affect the final grade of the semester.
- c. Absences from the practical courses attested with sick note still counts as an absence, but in this case the missed class can be made up with other groups.
- d. The lecture material will be available on the Moodle platform. The study materials, videos and audio files are owned by the Department of Oro-Maxillofacial Surgery and Stomatology. Sharing and any further utilisation is not allowed. For violation of the data management regulations the students are legally and ethically liable.
- e. Throughout the semester the acquired material of the lectures and practices will be regularly tested either orally or in a written form. The time of the midterms will be assigned by the practice leaders.
- f. An oral test will take place on the 6th week on practical classes. Passing this midterm is mandatory in order to treat patients on the practices. The midterm on the 6th week will be

conducted by the group supervisor during the time of the practice. The topic of the midterm encompasses the theoretical and practical material of the first six weeks of this semester and the study material of the previous semester. In case of failing the midterm 3 retakes are provided. The examiner will be the group supervisor for the first two occasions. The third time the examiner will be the head of the Outpatient ward, (Dr. Árpád Joób-F.) or his vice-head (Dr. Kinga Bérczy). After 3 failed retakes, the semester will not be accepted and must be repeated.

- g. A written midterm will be on *week 9 (09 April 2024, supervisor: Dr. György Komlós)* at the venue and time of the lecture. The material includes the 5th and 6th semesters study material (lectures and practices). Passing both midterms is mandatory.
- h. The absences from the midterms have to be certified. In case of uncertified absences, the mark of the midterm would be considered as a fail. This mark significantly determines the final grade. In case of failing the midterm there are three retakes provided (except: "point f").
- i. The signature at the end of the term may be denied if a student:
- misses more than 3 classes
 - shows ignorance or inappropriate behaviour on the practices
 - insufficient theoretical knowledge
 - the average of the midterm grades is below 2

The student will be given a notice of the denial by week 13.

- j. There is no exam at the end of the 6th semester. The practical marks will be based on the attendance, diligence, and the results of the midterms. The final mark will be announced during week 13. According to the decision of the practice leader, improving the final mark during the last week of the semester may be possible. Changes to the practical mark cannot be made after the end of the semester.
- k. Using cell phones during the practices are strictly prohibited. If the student uses a mobile phone despite of the warning of the practice leader, they may be asked to leave the practice. This dismissal equals to an absence; thus, the student will lose one of the 3 possible absences of the semester. For taking notes during the time of the practice students can use tablets, notebooks, small laptops.
- l. It is not allowed to take photos audio/video recordings during lectures and practices.

Signature of course lecturer:

Signature of head of department:

Date of submission:

Opinion of OKB:

Notes from the Dean's Office:

Signature of Dean:

¹ Filled out by the Dean's Office following approval

² Detailed and numbered for each week of theoretical and practical lessons one by one, indicating the names of lecturers and instructors

³ Eg. field practice, medical chart analysis, survey conducting, etc.

⁴ Eg. homework, report, midterm exam etc. Topics, dates, method of retake and replacement.