

COURSE SYLLABUS

ORAL AND MAXILLOFACIAL SURGERY II.

Semmelweis University Faculty of Dentistry, Dentistry
Name of the course: Oral and Maxillofacial Surgery II. Credit value: 4 Lessons (in hours in the whole semester): 56, from this lectures: 14 practice: 42 seminars: 0 Type of the course: compulsory Semester in which it is announced according to the curriculum: 7th 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: 2025/2026 I. semester
Subject code¹: FOKOSZB353_2A
Lecturer of the course: Prof. Zsolt Németh, director Academic position: 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 for future dentists all the necessary skills and knowledge, which are enables them to perform basic oral surgical procedures under supervisory control.
Location of the course (address of lecture hall, seminar room etc.): 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 solutions of simple cases.
Pre-study requirements and prerequisites of course registration and completion: Oral and maxillofacial surgery I., Oral pathology, Radiation protection 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: (to facilitate credit recognition in other institutions) Lectures: <ol style="list-style-type: none"> 1. Odontogenic inflammation I. Pathology, pathophysiology, and microbiology of pyogenic inflammation. Work safety protection training. 2. Odontogenic inflammation II. Clinical features, diagnosis, therapy. The question of dental foci. 3. Odontogenic inflammation III. Maxillofacial inflammation. 4. Odontogenic cysts I. Clinical classification of odontogenic cysts, the pathomechanism of their formation. Diagnosis, differential diagnosis. 5. Odontogenic cysts II. The surgery of odontogenic cysts. Cystectomy, cystostomy, decompression methods. 6. Non-odontogenic cysts. Developmental cysts. Pseudocysts. Soft tissue cysts. 7. Endodontic surgery. Indications and operative technique of apicectomy. Retrograde root filling. The hemisection of teeth.

8. Written midterm.
9. The surgery of impacted teeth I. Disorders of the eruption of third molars. Clinical aspects of the prognosis of third molars. Diagnostics of mandibular third molars.
10. The surgery of impacted teeth II. Surgical technique of the removal of mandibular third molars. Post-operative follow-up treatment of mandibular third molars, complications of their removal. Clinical features of maxillary third molars.
11. The surgery of impacted teeth III. Disorders of the eruption of upper canines. Prognosis, diagnosis and surgical treatment. Clinical features of other impacted and supernumerary teeth.
12. Special needs dentistry.
13. Emergency medicine in dental surgery. Emergencies in the dental practice. Management of “high risk” patients.
14. Consultation.

Practices:

Practicing simple and complex tooth extractions. Assistance in various dentoalveolar surgical operations. Discussing the topics of the lectures. Regularly checking of the acquired theory.

Lecturers and practice teachers:

Dentoalveolar surgery:

Specialists in dentoalveolar surgery:

Dr. Amir Hossein Ashourioun
 Dr. Kinga Bérczy
 Dr. Katalin Csurgay
 Dr. Attila Iványi
 Dr. Árpád Joób Fancsaly
 Dr. István Kaposvári
 Dr. Dorottya Kiss
 Dr. György Komlós
 Dr. Ferenc Koppány
 Dr. Noémi Kovács
 Dr. Kinga Renáta Körmöczi
 Dr. Petra Papócsi
 Dr. György Szmironov
 Dr. Ilona Szmironova
 Dr. Attila Szűcs

Residents:

Dr. Márton Ács
 Dr. Adrienn Beszedics
 Dr. Zita Biczó
 Dr. Emese Sarolta Dora
 Dr. Patrik István Füzes
 Dr. Emma Horváth
 Dr. Huba Donát Juhász
 Dr. Gábor Kammerhofer
 Dr. Eva Alexia Klenk
 Dr. Ábel Major
 Dr. Barnabás Oláh
 Dr. Anna Boglárka Tóth
 Dr. Botond Veres
 Dr. Huy Viet
 Dr. Réka Zsemberi

Maxillofacial surgery:

Specialists in maxillofacial surgery:

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

Residents:

Dr. Lőrinc Zatik
 Dr. Ákos Dora
 Dr. Anita Györffi

Courses (<i>obligatory and optional</i>) 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
The use of Artificial Intelligence (AI) in teaching the subject: AI does not replace medical literature, textbooks, lecture materials, or clinical practice. All AI-generated information must be evaluated with critical thinking.
Attendance on practices and lectures, make-ups in case of missed sessions: See in 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: Oral semi-final
<p>Requirements of the exam⁵: Oral semi-final from the semester materials. The semester's material includes the theoretical and practical content from the textbooks, lectures, and practical sessions. The use of any aids during the examination is strictly prohibited. During assessments (exams, midterms), it is not permitted to rely solely on AI-generated information or statements. AI alone is not considered a scientific source, as the source of a given response cannot be reliably traced or verified.</p> <p>Exam topics:</p> <ol style="list-style-type: none"> 1. Pathology of purulent inflammation, spread of odontogenic inflammations (microbiology of pus-causing bacteria) 2. Pulpitis, periodontitis (types, symptoms, diagnosis) 3. Odontogenic periostitis, periostitis (types, origin, symptoms, treatment, differential diagnosis) 4. Phlegmone (types, origin, symptoms, treatment, differential diagnosis) 5. Osteomyelitis (types, origin, symptoms, treatment, differential diagnosis) 6. Pericoronitis (types, origin, symptoms, treatment, differential diagnosis) 7. Alveolitis (types, origin, symptoms, treatment, differential diagnosis) 8. Specific inflammations in the maxillofacial region (actinomycosis, tuberculosis, syphilis, toxoplasmosis, AIDS) 9. Dental foci (the role of dentist exploring and treating the dental foci) 10. Odontogen cysts (classification, pathomechanism, diagnosis, differential diagnosis) 11. Surgical treatment of odontogenic cysts (cystectomy, cystostomy, decompression treatment) 12. Non-odontogenic cysts. Developmental cysts. Pseudocysts. Soft tissue cysts. 13. Intra-oral flaps (requirements and types) 14. Treatment of abscesses in the head and neck region (indication, anaesthesia, instruments, surgical method) 15. Definition of retained and impacted tooth and their removal (indications, instruments, surgical method) 16. Management of patients with bleeding disorder: platelet aggregation inhibitors 17. Management of patients with bleeding disorder: anticoagulant drugs 18. Endodontic surgery (indications, contraindications, surgical method) 19. Endodontic microsurgery (instruments and materials) 20. Perioperative complications of tooth removal 21. Postoperative complications of tooth removal 22. Medical emergencies in the dental practice: Hyper-, és Hypoglycaemia, Syncope 23. Medical emergencies in the dental practice: Hypertensive crisis and Epilepsy 24. Medical emergencies in the dental practice: Anaphylaxis and respiratory obstruction. Treatment considerations during pregnancy in oral surgical practice.
Grading of courses⁶: See in appendix No. 1.
The possibility and requirements of an offered grade: It is not possible.
Exam registration: via the Neptun system
Rules of repeating exams: applies based on The Studies and Examination Regulation

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, Mosby, 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 II. 2025/2026/I. semester

- a. You may check the topics of the practices on separate sheet of paper.
- b. Attendance of 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. A written midterm test will be held on *week 8 (22.10.2025, supervisor: Dr. Bérczy)* at the venue and time of the lecture (material of the semester), passing the midterm is a requirement for the acceptance of the semester.
- g. Absences from midterms are only accepted in case of presenting a valid certificate. In case of uncertified absence the mark of that midterm would be considered as „failed”. In case of failed midterm there are two possibilities to retake it. This mark determines the final grade.
- h. The signature at the end of the term may be denied if a student:
 - misses more than 3 practices.
 - shows ignorance or inappropriate behaviour on the practices
 - insufficient theoretical knowledge
 - the average of the midterm grades is below 2

The student will be notified about the denial of the signature no later than week 13.

- i. An oral exam should be taken at the end of the semester of the materials given during lectures and practices during the 7th semester.
- j. Usage of cell phones during the time of the practices is prohibited. If the student uses a mobile phone despite the warning of the practice leader, they cannot continue the given practice and have to leave the practice hall immediately. This dismissal equals to with an absence which takes into account of the permitted (maximum 3) absences in a semester. For taking notes during the time of the practices students can use: tablets, notebooks, small laptops.
- k. It is not allowed to take photos and audio recording 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.

⁵ List of topics in case of theoretical exam, thematic and method in case of practical exam.

⁶ Method of inclusion of theoretical and practical exams. Method of inclusion of midterm assessments.