

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

<b>Semmelweis University Faculty of Dentistry, Dentistry</b>
<b>Name of the course: Oral and Maxillofacial Surgery V.</b>
<b>Credit value:</b> 4
<b>Lessons (in hours in the whole semester):</b> 48, from this                      lectures: 12                      practice 36                      seminars 0
<b>Type of the course:</b> compulsory
<b>Semester in which it is announced according to the curriculum:</b> 10th
<b>Frequency of announcement:</b> per semester
<b>The responsible educational and research organizational unit for teaching the subject:</b> Department of Oro-Maxillofacial Surgery and Stomatology
<b>Academic year:</b> 2023/2024 II. semester
<b>Subject (Neptun) code<sup>1</sup>:</b> FOKOSZB353_5A
<b>Lecturer of the course:</b> Dr. med. habil. Zsolt Németh, director <b>Academic position:</b> associate professor <b>Telephone:</b> 06 1 266 0456
<b>The goals and place of the course in regards to the education of dental students:</b> 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.
<b>Location of the course (address of lecture hall, seminar room etc.):</b> Department of Oro-Maxillofacial Surgery and Stomatology, Budapest, 1085 Mária utca 52. Lecture hall, dental office No. I., II.
<b>Competences necessary to be completed for the course:</b> Skill-level diagnosis and differential diagnosis of oral surgical diseases occurring during dental practice. Theoretical knowledge of therapeutic options and independent solution of simpler cases.
<b>Pre-study requirements and prerequisites of course registration and completion:</b> Implantology II., Oral and maxillofacial surgery IV., Periodontology III. <b>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:</b> It is not possible.
<b>Number of students required for the course (min., max.):</b> 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 held as declared in the rules of small-group education.
<b>Method of course registration:</b> via the Neptun system
<b>Detailed course/lecture description<sup>2</sup>:</b> <b>Lectures:</b> <ol style="list-style-type: none"> <li>1. Collaboration in orthodontic surgery.</li> <li>2. The role of digital planning in the treatment of maxillofacial malformations.</li> <li>3. Role of modern imaging methods in maxillofacial diagnostics.</li> <li>4. The design and implication of patient-specific implants in oral and maxillofacial surgery.</li> <li>5. Plastic and reconstructive surgery in head and neck region.</li> <li>6. Distraction osteogenesis.</li> <li>7. Septic surgery.</li> <li>8. The risk and prevention of the burn-out syndrome in the oral surgery.</li> <li>9. Easter Monday.</li> <li>10. Modern diagnostic and therapeutic possibilities in the field of oral surgery</li> <li>11. Pharmaceutical support of dental surgery (antibiotics, pain-killers, endocarditis prophylaxis).</li> </ol>

12. Lesions requiring surgical treatment in the oral cavity in childhood.

**Practices:** 1 week practice at in-patient ward. Getting insight in to the work of the Maxillofacial department.  
Surgical assistance in head and neck surgeries.

**Lecturers and practice teachers:**

**Dentoalveolar surgery:**

**Specialists**

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. Kinga Renáta Körmöczi  
Dr. Petra Papócsi  
Dr. Attila Szűcs

**Residents:**

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 Vaszilkó  
Dr. Tamás Würsching

**Residents:**

Dr. Zatik Lőrinc  
Dr. Dora Ákos  
Dr. Györffi 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 course<sup>3</sup>:** 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 period<sup>4</sup>:** see appendix No. 1.

**Requirements of an accepted semester:** see appendix No. 1.

**Type of the exam:** final exam

**Requirements of the exam<sup>5</sup>:** final exam (oral)

Final exam topics:

Topics "A":

1. The anatomy of the maxillofacial region.
2. The history of local anesthesia, the up-to-date anesthetics and methods used in dentistry.
3. The spatiae of the head and neck region. Phlegmone.
4. The complications of tooth extraction, management.
5. Dental infections and their management.
6. Diagnosis of impacted and unerupted teeth. Surgery and complications.
7. The types of cyst operations, the surgical techniques.
8. The anatomy of the maxillary sinus. Diseases, treatment.
9. Dental traumatology.
10. Tooth-maintaining surgical procedures.
11. The adverse events occurring in the dental operator, their aetiology and therapy.
12. Antibiotics, painkillers in dentoalveolar surgery.
13. The indications and technique of apicoectomy.
14. Periostitis cellulitis, – differences between them.
15. Trigeminal neuralgia, facial pain conditions.
16. Differential diagnosis of lymph nodes in the neck.
17. The temporomandibular joint (anatomy, examination, diseases).
18. Antiresorptive drug-related osteonecrosis of the jaws.
19. Flaps and suture-techniques in dentoalveolar surgery.
20. Osteomyelitis of the jaws. Types, symptoms, treatment.
21. Oral surgical aspects of antiresorptive therapy and irradiation.

Topics „B”:

22. Orthodontic aspects of oral and maxillofacial surgery, the most common surgical techniques.
23. Salivary gland infections.
24. The combined therapy of the malignant tumors of the oral cavity.
25. Sialolithiasis of the salivary glands.
26. Mandibular fractures. Types, diagnosis, therapy.
27. Midfacial fractures. Types, diagnosis, therapy.
28. Developmental anomalies and malformations in the maxillofacial region. Aspects of the surgical therapy.
29. The dental-surgical management of a patient with bleeding and clotting disorders.
30. The differential diagnosis of orofacial pain.
31. Special diagnostic methods in oral-maxillofacial surgery (CT, MRI, CBCT, PET, US, angiography).
32. Malignant tumors in the maxillofacial region.
33. Precancerous lesions in the oral cavity.
34. Hemangiomas of the maxillofacial region and their combined therapy.
35. The possibilities of reconstruction after major head and neck tumor surgery.
36. Lateral and medial neck cysts.
37. TMJ ankylosis. Etiology and therapy.
38. Actinomycosis. Types, symptoms, therapy.
39. Lipoma, symmetrical benign lipomatosis.
40. Chemotherapy of malignant tumors in the head and neck region.
41. Biomaterials.
42. Xerostomia, Sjögren's syndrome

**Grading of courses<sup>6</sup>:** See 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:** See appendix No. 1.

**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 V. 2023/2024/II. 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. Practices: one week practice in the inpatient wards: see on a separate sheet.
- d. Absences from the practical class attested with sick note still counts as an absence, but in this case the missed class can be made up with other groups.
- e. 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
- f. Throughout the semester the acquired material of the lectures and practices will be regularly tested.
- g. The signature at the end of the term may be denied if student (we'll inform on the 13<sup>th</sup> week at latest):
  - misses more than 30% of practices.
  - shows ignorance of the material presented at the lectures and the practices- this is evaluated by the practice leader.

The student will be notified about the denial of the signature no later than week 11.

- h. There is a final examination at the end of the second term of the fifth year (topic list will be given previously).
- i. 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 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.
- j. It is not allowed to take photos and audio recording during lectures and practices.

<b>Signature of course lecturer:</b>
<b>Signature of head of department:</b>
<b>Date of submission:</b>
<b>Opinion of OKB:</b>
<b>Notes from the Dean's Office:</b>
<b>Signature of Dean:</b>

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<sup>1</sup> Filled out by the Dean's Office following approval

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

<sup>3</sup> Eg. field practice, medical chart analysis, survey conducting, etc.

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

<sup>5</sup> List of topics in case of theoretical exam, thematic and method in case of practical exam.

<sup>6</sup> Method of inclusion of theoretical and practical exams. Method of inclusion of midterm assessments.