

ORAL AND MAXILLOFACIAL SURGERY, PRE-CLINICAL COURSE REQUIREMENTS

Semmelweis University Faculty of Dentistry
Name of the course: Oral and Maxillofacial Surgery, Pre-clinical course
Credit value: 2
Lessons (<i>in hours</i>): lectures: 0 practicals: 2 seminars: 0
Type of the course: compulsory
Frequency of announcement: per year
Academic year: 2022/2023 I. semester
Subject code¹: FOKOSZB041_1A
Lecturer of the course: Dr. Zsolt Németh, Head of Department
Contact: Department of Oro-Maxillofacial Surgery and Stomatology, 1085 Budapest, Mária utca 52.
Phone number: 00 36 1 266 0456
The goals of the course and its place in the doctors training curriculum: The aim of the training is to provide all the necessary knowledge and basic skills for future dentists, that enables them to perform basic oral surgical procedures under supervisory control. The students become acquainted with all the necessary instruments, anaesthetic equipments and the steps of tooth extraction which they perform on extraction phantoms.
Location of the course (<i>address of lecture hall, seminar room etc.</i>): Lecture hall, Dept. of Oro-Maxillofacial Surgery and Stomatology, 1085 Budapest, Mária utca 52.
Competences acquired by completion of the course: After the training, the students know the relevant instrument sets of tooth extraction and they can carry out the basic steps of tooth extraction. They also learn the instruments of dental anaesthesia. They can secure a hygienic work environment and acquire a basic diagnostic knowledge.
Pre-study requirements and prerequisites of course registration and completion: General and Oral Microbiology, Molecular Cell Biology II, Medical and Dental Physiology II.
Number of students required for announcement of course (<i>min., max.</i>): Students who accomplished the prerequisite courses are allowed to sign up. The number of students on each course will be determined according to the expected number of students and by our educational capacity. Each course will be filled up as declared in the rules of small-group education.
Method of course registration: via the Neptun system
Detailed course/lecture description²: (<i>to facilitate credit recognition in other institutions</i>) Sterilization, disinfection and infection control of dental and operative dental equipments. Skin sterilization, surgical hand scrub and avoidance of iatrogenic infection. Surgical anatomy of teeth. The different types of local anaesthetics, indication and contraindication of their application. The instruments and steps of dental extraction. Practices: <ol style="list-style-type: none">1. Introductory lecture: requirements of the course. Topic list. Surgical instruments I. 90 min.2. Surgical instruments II. 45 min. <i>Practice: instruments 45 min.</i>3. Routes of drug administration, syringes, needles. Principles of local anaesthesia. The 'geometry' of local anaesthesia. 45 min. <i>Practice: instruments 45 min.</i>4. History of oral surgery, surgical-medical diseases, features of oral surgery. Types of different personalities. 45 min.

Practice: instruments 45 min.

5. Asepsis - antisepsis. Disinfection, sterilization. 45 min.

Steps of tooth removal (video)

6. The operating theatre. Behaviour in the operating theatre. 45 min.

Practice: extraction on dental phantom head 45 min.

7. Surgical anatomy of the maxillary nerve. 45 min.

Practice: extraction on dental phantom head 45 min.

8. Surgical anatomy of the mandibular nerve. 45 min.

Practice: extraction on dental phantom head 45 min.

9. Holiday

10. Anamnesis, patient examination, communication, diagnosis. Diagnostic algorithm. 45 min.

Practice: extraction on dental phantom head 45 min.

11. *Practice: extraction on dental phantom head*

12. Demonstration (written). 45 min.

Practice: extraction on dental phantom head 45 min.

13. Diagnostic and therapeutic protocols. Informed consent. Documentation. 45 min.

Practical demonstration. 45 min.

14. Suture materials, types and instruments. 45 min.

Lecturers of the course:

Specialists:

Dr. Amir Hossein Ashourioun
Dr. Janka Bécsér
Dr. Kinga Bérczy
Dr. Norbert Cziriák
Dr. Fanny Fadgyas
Dr. Attila Iványi
Dr. Árpád Joób Fancsaly
Dr. István Kaposvári
Dr. Dorottya Kiss
Dr. György Komlós
Dr. Szilvia Koncz
Dr. Ferenc Koppány
Dr. Noémi Kovács
Dr. Kinga Renáta Körmöczi
Dr. Rita Margita Marton
Dr. Dorottya Mezei
Dr. György Szmirnov
Dr. Attila Szűcs

Residents:

Dr. Zita Biczó
Dr. Roland Decker
Dr. Eszter Hardi
Dr. Gábor Kammerhofer
Dr. Nóra Magyar
Dr. Petra Papócsi
Dr. Béla Régeni
Dr. Edvárd Márton Varmuzsa

Courses (*obligatory and elective*) which in part or entirely overlap the topics of above course: Macroscopic anatomy, General dental pre-clinical course, History of Medicine

Special academic work required for completion of the course³: none

Attendance on practices and lectures, replacement in case of missed sessions: see in appendix No. 1.

Consequences of absence from sessions and exams: See course requirements as per above: see in appendix No. 1.

Method of checking acquired knowledge during the study period⁴: We plan to perform a written and a practical midterm on the 12th and 13th week. The topics of the midterms are the topics of the practices of this semester prior to the 12th week. During the midterms we require theoretical knowledge, instrument recognition, and the demonstration of extraction performed on a phantom head. In case of certified absence there are 2 retake opportunities. The first retake option is in the form of an oral examination with one of the lecturers of the subject. The second retake is conducted by the head of Dentoalveolar Surgery Department (Dr. Árpád Joób-Fancsaly) or his deputy (Dr. Kinga Bérczy). So there are a total of 3 options to absolve the midterms, including the not certificated absence.

Requirements of an accepted semester (*signature of the lecturer*): see in appendix No. 1.

Type of the exam: practice mark

Requirements of the exam⁵: conditions of completing the practical course is presented in subject requirement appendix No. 1. Practical course grade varies between 1 and 5.

Grading of courses⁶: see in appendix No. 1.

List of textbooks, lecture notes and recommended textbooks:

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

The textbook is recommended together with notes made at the practicals.

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 Requirements in Oral Surgery Pre-clinical course 2022/2023 I. semester

- a. You may check the topics of the practices on separate sheet of paper.
- b. 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.
- c. In the first half of the practical lessons we give theoretical education for the entire semester. In the second half of the practice the semester will be split into smaller groups by the assignment announced during the first practice.
- d. The theoretical material of the semester will be examined in the form of a written midterm *on the 12th week (23.11.2022)*. The practical midterm will be on the 12th week for one half of the semester and on the 13th week of the other half. A successful completion of the midterms is a condition semester acceptance. Only certified absence from the midterm is accepted. In case

of uncertified absence, the midterm will be regarded as failure. In case of failed midterms there are 2 occasions for a retake. The first midterm is performed by a practice teacher, the second is with the head of the Dentoalveolar Surgery Department (Dr. Árpád Joób-Fancsaly) or with the deputy Head of Unit (Dr. Kinga Bérczy).

- e. The signature at the end of the term may be denied if the student (we'll inform on the 13th week at latest)
- missed more than 3 classes
 - shows ignorance in the material presented at the classes
 - the average of the midterm grades is below 2
- f. There is no exam at the end of the first term of the third year. The practical grade will be assigned on the basis of attendance, diligence and the result of the midterms. The practice mark will be announced during week 13. The last opportunity to improve this mark is during the last week of the term at the discretion of the teacher. No changes can be made to the practical mark after the end of the term.
- g. 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 is equal with an absence which is taken into account of the permitted (maximum 3) absences during the semester. For taking notes during the time of the practice students can use tablets, notebooks, small laptops.
- h. It is not allowed to take photos audio/video recordings during lectures and practices.
- i. The textbook 'Oral Surgery, Maxillofacial Surgery' is recommended together with notes made at the practicals.

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.