

REQUIREMENTS

Semmelweis University, Faculty of General Medicine – single, long-cycle medical training programme

Name of the host institution (and any contributing institutions):

Semmelweis University, Faculty of Dentistry,

Department of Oro-Maxillofacial Surgery and Stomatology

Departments of Dental Clinical and Training Center

Department of Community Dentistry

Name of the subject: Szájsebészet és fogászat

in English: Oral Surgery and Dentistry

in German: Stomatologie

Credit value: 2

Semester: 7th or 8th

(as defined in the curriculum)

Total number of classes per week: 28	lectures: 0	practical lessons: 20	seminars: 8
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Type of subject: compulsory optional elective

(PLEASE UNDERLINE AS APPLICABLE)

Academic year: 2023-24

Language of instruction, for optional or elective subjects: -----

Course code:

AOKSZB976_1A

(In the case of a new subject, this cell is filled in by the Dean's Office, following approval)

Course coordinator: Dr. Zsolt Németh med. habil. PhD

Place of work, phone number: Semmelweis University, Faculty of Dentistry, Department of Oro-Maxillofacial Surgery and Stomatology, Phone number: 00 36 1 266 0456

Position: professor, Head of Department

Date and number of habilitation: 07.06.2010., No: 305

Objectives of the course and its place in the medical curriculum:

The main aim of the „Oral surgery and Dentistry” course for 4th year medical students is to introduce the most specific symptoms, recognition and treatment of the most common dental, oral and maxillofacial diseases. In addition, the knowledge of various specialisations of dentistry is important to medical students because later, as specialized medical doctors - regardless of their specialization – they will find numerous correlations and these skills will prove to be essential in case of many borderline diseases and to face diagnostic difficulties.

During the course students learn about the method of oral examination and stomato-oncological screening. The practice focuses on the oral and dental contexts of disciplines of medicine. It is extremely important for future medical doctors to be aware of the symptoms of systemic diseases in the oral cavity and know which dental and oral diseases may lead to systemic diseases.

Place of instruction (address of lecture hall or seminar room etc.):

Semmelweis University, Faculty of Dentistry,

Department of Oro-Maxillofacial Surgery and Stomatology

1085 Budapest, Mária utca 52.

Dental Clinical and Training Center

1088 Budapest, Szentkirályi utca 47.

Department of Community Dentistry

1088 Budapest, Szentkirályi utca 40.

Competencies acquired through the completion of the course:

As practicing physicians they will be in the possession of modern theoretical and practical skills and will be able to perform medical practice on their own and build correct human relationships with their patients and family members as well as other health professionals. It is important that they will receive a comprehensive picture of the concept of oral health. As practicing physicians they will be able to examine the oral cavity and the head and neck region, and interpret the lesions and altered functions, initiate the diagnostic and therapeutic process. In accordance with the preventive approach that is characteristic for today's medicine, they will be able to prevent and detect teeth (oral) diseases with systemic effect in their early stage.

Prerequisites for course registration and completion:

Pathology II., Basic surgical techniques

Conditions for concurrent course registration and permission thereof in the case of a multi-semester subject: -----

Student headcount conditions for starting the course (minimum, maximum) and method of student selection:

Based on registration in the Neptun system.

Detailed course description:

(Theoretical and practical instruction must be broken down into lessons (weeks), numbered separately. Please provide the names of lecturers in both types of lessons, indicating guest lecturers. This information is not to be attached separately. CVs of guest lecturers, however, must be attached.)

The course is educated in block system; the duration of the course is 1 week.

The English language practices will take place according to the schedule of the blocked education in 2023/2024 academic year.

The courses take place in the building of Department of Oro-Maxillofacial Surgery and Stomatology and in the Dental Training Centre of the Faculty of Dentistry during the

educational period (according to the schedule of academic year in Faculty of Dentistry) based on the registration and group assignment in Neptun system.

The courses take place in the building of Department of Oro-Maxillofacial Surgery and Stomatology and in the Department of Community Dentistry of the Semmelweis University, Faculty of Dentistry during the exam period (according to the schedule of academic year in Faculty of Dentistry) based on the registration and group assignment in Neptun system.

The schedule of the one-week block:

one - week block					
	Monday	Tuesday	Wednesday	Thursday	Friday
from 8:00 am to 1:00 pm	education	education	education	day off (obligatory)	seminar
from 1:00 pm to 2:00 pm	lunch break	lunch break	lunch break		lunch break
from 2:00 pm to 3:00 pm	break	education	break		exam

About 18-25 students attends to the clinics weekly. The students are divided into six groups (3-4 students per little group) based on the registration and group assignment in Neptun system. The small groups of students (3-4 person) take part on practice on Monday, Tuesday and Wednesday. The practices and seminar are held in educational period (according to the schedule of academic year in Faculty of Dentistry) in the Department of Oro-Maxillofacial Surgery and Stomatology and at the Clinics of Dental Training Centre of the Faculty of Dentistry, in the exam period (according to the schedule of academic year in Faculty of Dentistry) in the Department of Oro-Maxillofacial Surgery and the Department of Community Dentistry.

The schedule of the small (3-4 person) student groups in the educational period (according to the schedule of academic year in Faculty of Dentistry):

- /1 – Department of Oro-Maxillofacial Surgery and Stomatology
- /2 – Department of Restorative Dentistry and Endodontics
- /3 – Department of Prosthodontics
- /4 – Department of Pediatric Dentistry and Orthodontics
- /5 – Department of Periodontology
- /6 – Department of Oral Diagnostics

The schedule of the small (3-4 person) student groups in the exam period (according to the schedule of the academic year in the Faculty of Dentistry):

- /1 – Department of Oro-Maxillofacial Surgery and Stomatology
- /2 – Department of Community Dentistry
- /3 – Department of Community Dentistry
- /4 – Department of Community Dentistry
- /5 – Department of Community Dentistry
- /6 – Department of Community Dentistry

The Departments and Clinics are involved in education:

Department of Oro-Maxillofacial Surgery and Stomatology (Faculty of Dentistry, educational period and exam period)

Department of Restorative Dentistry and Endodontics (Faculty of Dentistry, educational period)

Department of Prosthodontics (Faculty of Dentistry, educational period)

Department of Periodontology (Faculty of Dentistry, educational period)

Department of Pediatric Dentistry and Orthodontics (Faculty of Dentistry, educational period)

Department of Oral Diagnostics (Faculty of Dentistry, educational period)

Department of Community Dentistry (Faculty of Dentistry, exam period)

The teachers/instructors of Clinics and Departments are involved in education:

Department of Oro-Maxillofacial Surgery and Stomatology:

Sándor Bogdán, Dr., Mihály Vaszilkó Dr., Tamás Huszár Dr., Iván Decker Dr., Péter Barabás Dr., Gergely Csókay Dr., Zsófia Somogyi Dr., Tamás Würsching Dr., Gábor Pintér Dr., Szófia Szentpéteri Dr., Péter Lillik Dr., Akos Dora Dr., Lőrincz Zatik Dr. Anita Gyórfi Dr., Zsolt Németh Dr.

Department of Restorative Dentistry and Endodontics:

Sarolta Pozsgay Dr., Karolina Kőműves Dr., Kinga Sárdy Dr. Coordinator: Andrea Demeter Dr., Zsuzsanna Baráth

Department of Prosthodontics:

Máté Jász Dr.

Department of Periodontology:

Orsolya Láng Dr., Fanni Bolya – Orosz Dr., Bernát Keglevich Dr., László Márk Czumbel Dr.

Department of Pediatric Dentistry and Orthodontics:

Violetta Szabó Dr., Réka Sklánicz Dr., Réka Macsali Dr., Dr., Anna Répási – Moldován Dr., Adrienn Auth Dr., István Simon Dr., Réka Bálint Dr., Gergely Balaton Dr., Noémi Rózsa Dr., Miklós Kaán Dr., Gergely Kaán Dr., Dorottya Bányai Dr., Lili Heckenast Dr., Bálint Nemes Dr., Levente Szegedi Dr., Stefánia Radó Dr.

Department of Oral Diagnostics:

Szabolcs Gyulai-Gaál Dr., László Simonffy Dr., Éva Bartolák Dr., Fruzsina Gyekiczki Dr.,

Department of Community Dentistry:

Gergely Oláh Dr., Márk Répási Dr., Levente Palásti Dr.

Topics of the individual subfields of dentistry:

Maxillofacial and dentoalveolar surgery:

Benign neoplasms of the orofacial region. Praecancerous lesions, prevention of oral cancer, screening methods. Malignant oral tumors and its treatments. Developmental anomalies (craniofacial malformations, cleft lip and palate, dysgnathia). Reconstructive surgery. Traumatology. Inflammatory diseases and therapeutic options. Tooth extraction, dentoalveolar and preprosthetic surgery. Basics of dental implantology. Oral rehabilitation for patients with special needs.

Restorative Dentistry and Endodontics:

Medical and dental history recording. Correlations between medical conditions and dental, periodontal status. High risk patients. Examination, evaluation of clinical findings and

making diagnosis. Aspects of creating treatment plan. Prevention options of oral diseases. Age-related changes in oral condition and its results. Diagnosis and treatment methods of caries. Importance of pulpal and periodontal diseases. Types of conservative dentistry procedures. Focal (dental) infection. Use of antibiotics in the field of conservative dentistry. Importance of regular dental examination considering medical status.

Prosthodontics:

Indications and contraindications of prosthodontics treatments. Making prosthodontic treatment plan: when and which type, fixed or removable and implant retained prosthetic appliances etc. Demonstration of the most frequently used fixed and removable prosthetic appliances emphasizing which types must be removed from the oral cavity of an unconscious patient. The significance of the control and care of patients after prosthetic treatment. Examination of the temporomandibular joint, its dysfunction (TMD), diagnosis and conservative treatment options. The clinical team of treating TMD patients. Detection and treatment of early and late outcome of complete edentulousness.

Periodontology:

Survey of the patient's oral hygiene and setting professional oral hygiene. Examination of the oral mucosa and diagnosis. Opportunity to assist in subgingival debridement (in non-surgical pocket treatment) and surgical periodontic procedures.

Pediatric Dentistry and Orthodontics:

Dental examination in childhood, medical and dental history, dental screening. Opportunity to assist in paedodontic procedures e.g. sealant application, primary and permanent tooth filling, primary tooth extraction; alternative solutions to treatment of childhood caries. Characteristics of primary, mixed and permanent dentition. Difficulties and emergencies in paedodontics. Scanning and eliminating focal infections. Oral manifestations of childhood infections. Use of anaesthetics and drugs in childhood. The connection between paedodontics- orthodontics and other dentistry specialties. Opportunity to assist in activation of removable and fixed orthodontic appliances. The most frequently used orthodontic appliances.

New methods of orthodontics, digitalized procedures and esthetic appliances. The importance of age in orthodontic treatment.

Oral diagnostics:

Patient with dental symptoms, recording dental and medical history, making diagnosis. Considering correlations between medical conditions and dental problems. Examination of head and neck, stomato-oncological screening. Steps of the intraoral examination, making description of the clinical findings. Lesions of oral mucosa. Oral manifestation of systematic autoimmune diseases. Oral manifestation of infections. Symptoms of medicine side effects. Additional modalities in oral mucosa examination. Dentoalveolar and maxillofacial imaging techniques. Manifestations of medical conditions on dental X-ray. Imaging modalities in traumatic injuries. Imaging techniques in screening.

More specialties contain similar course topics:

Emergency cases and its treatments, the importance of prevention and its connection of medical specialties. Dental and dentoalveolar outpatient department connection to maxillofacial and otolaryngology departments work. Gerostomatology. Dental infectology.

The students (with the help of their tutor) are involved mainly in patient examination, elaborate and discussion of diagnostic-therapeutic plans. Related to the anamnesis and patient examination the students will discuss the general medical and interdisciplinary aspects of the given symptoms. In case of every examined patient the symptoms, conditions, diagnostic and treatment options in dental co-disciplines will be discussed. An important element of the oral surgery and dentistry education is that the tutor demonstrates the possible relationship of the symptom or condition to general medical practice.

Related subjects due to interdisciplinary fields (both compulsory and elective) and potential overlaps between subjects:

Cleft lip and cleft palate – Pediatric surgery, Otorhinolaryngology

Sinus illnesses – Otorhinolaryngology

Allergy– Dermatology

Mucosa – skin diseases – Dermatology, Internal Medicine, Immunology

Focal diseases – Internal medicine, Dermatology, Rheumatology

Hemorrhagic patients' care – Hematology

Dysgnathia – Pediatric Dentistry and Orthodontics

Head and neck medical imaging – Radiology

Interventions in general anesthesia – Anesthesiology

Transfusion – 2 week transfusion course

Sepsis – Intensive Therapy, Infectology, Microbiology

Oncologic patients' care – Oncology, Oncoradiology

Dental, oral surgical care in elder patients – Gerontology

Injuries of teeth, maxillofacial bone and soft tissue – Traumatology

Injuries of head, midface and lower jaw fractures – Traumatology, Neurosurgery

Facial pain – Neutology

Orbital diseases due to infections and traumatologic causes – Traumatology, Ophthalmology

Examination of tissue from orafacial area - Pathology

Attendance requirements; conditions under which students can make up for absences and the method of absence justification:

At least 75% participation is obligatory of the practices, according to the Study and Examination Regulations. Participation in the sessions is confirmed by the signature of both the student and the instructor on the attendance sheet.

It is possible to make up for the exercises during the exercises of the group with the same language or during other exercises educational breaks or during on-call hours on weekends, based on prior agreement. The absence from the practice is possible to confirming with a medical certificate or other valid document from the absence.

Form of assessment in the study period:

(including the number, topics and scheduling of oral and written tests, their share in the overall evaluation, make-up tests and improvement tests)

During the short moduls of education there will be no intermediate, formal inquiry. All through the interactive practices and consultations it is enabled to assess the students knowledge and the usage of the information which is available.

Number and type of assignments for individual work and the deadline for submission:

Need no individual works for students

Requirements to obtain the teacher's signature:

At least 75% participation.

Type of assessment (*comprehensive examination, end-term examination, term-grade, term-grade on a three-grade rating scale, no examination*): Written test exam at the end of the

block.
<p>Examination requirements: <i>(list of examination topics, subject areas of tests / examinations, lists of mandatory parameters, figures, concepts and calculations, practical skills)</i></p> <p>Students, who have been studied in a given week, will take an online seminar on Friday mornings between 8.00 and 13.00 for summarizing what they have learned during the week. The students will take a written exam on the E-learning platform between 14.00 and 15.00 in the afternoon. It is possible to repeat/replace the exam by previous arrangement, following the rules of Study and Examination Regulations.</p> <p>The questions of the written exam on the E- learning platform are from the seminar materials. The study materials of practices are available for student on E-learning interface. The tests are opened on the E-learning Platform on the exam's afternoon. During the exam, students have to answer 50 test questions (simple choice, choose one correct answer from 4 options) in 60 minutes.</p>
<p>Method and type of grading: <i>(Share of theoretical and practical examinations in the overall evaluation. Inclusion of the results of the end-of-term assessment. Possibilities of and conditions for offered grades.)</i></p> <p>The grade is determined based on the results of the test, in accordance with the following point limits:</p> <p>45-50 points Excellent, 40-44 points Good, 35-39 points Average, 30-34 points Fair, 0-29 points Unsatisfactory</p>
<p>List of course books, textbooks, study aids and literature facilitating the acquisition of knowledge to complete the course and included in the assessment, precisely indicating which requirement each item is related to (e.g., topic by topic) as well as a list of important technical and other applicable study aids:</p> <p>The study materials are available for students on E-learning interface: https://itc.semmelweis.hu/moodle/</p> <p>Recommended literatures: Peterson: Contemporary Oral and Maxillofacial Surgery, Mosbí, 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</p> <p>Students can find more study materials, additional resources, notes, textbooks and literature links on the website of clinics and departments participated in education.</p>
<p>Signature of habilitated instructor (course coordinator) announcing the course:</p>
<p>Signature of the director of the host institution:</p>
<p>Date of submission: 28 April 2023</p>