

REQUIREMENTS

<p>Semmelweis University, Faculty of Medicine Name of the managing institute (and any contributing institutes): Semmelweis University, Faculty of Dentistry, Department of Oro-Maxillofacial Surgery and Stomatology Dental Clinical and Training Center Department of Community Dentistry</p>
<p>Name of the subject: Szájsebészet és fogászat in English: Oral Surgery and Dentistry in German: Stomatologie Credit value: 2 Number of lessons per week: 28 hours lecture:0 practical course: 20 hours seminar:8 hours Subject type: <u>compulsory course</u> elective course optional course</p>
<p>Academic year: 2022-2023</p>
<p>Subject code: AOKSZB690_1M, AOKSZB690_1A, AOKSZB690_1N <i>(In case of a new subject, it is filled by the Dean's Office, after approval)</i></p>
<p>Name of the course leader: Dr. Zsolt Németh med. habil. PhD His/her workplace, phone number: Department of Oro-Maxillofacial Surgery and Stomatology, Phone: 00 36 1 266 0456 Position: associate professor, Head of Department Date and registration number of his habilitation: 07.06.2010., No: 305</p>
<p>Objectives of the subject, 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.</p>
<p>Place where the subject is taught (address of the auditorium, seminar room, etc.): Faculty of Dentistry: Semmelweis University, Faculty of Dentistry,</p>

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.

Successful completion of the subject results in the acquisition of the following competencies:

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.

Course prerequisites:

Pathology II., Basic surgical techniques

Number of students required for the course (minimum, maximum) and method of selecting students:

Based on registration through the Neptun system.

How to apply for the course:

Through the Neptun system

Detailed curriculum:

(Theoretical and practical lessons shall be given separately by numbering the lessons (by weeks). Please provide the names of the teachers of the lectures and practical lessons and indicate guest lecturers. Do not use attachments! Always attach a CV for guest lecturers!)

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 2022/2023 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).

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).

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	education	education	education		exam

About 18-25 students attend to the clinics weekly. The students are divided into six groups (3-4 students per little group) as the practice are taught by six disciplines of Faculty of Dentistry. 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):

- A – Department of Conservative Dentistry
- B – Department of Prosthodontics
- C – Department of Pediatric Dentistry and Orthodontics
- D – Department of Periodontology
- E – Department of Oral Diagnostics
- F – Department of Oro-Maxillofacial Surgery and Stomatology

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):

- A – Department of Community Dentistry
- B – Department of Community Dentistry
- C – Department of Community Dentistry
- D – Department of Community Dentistry
- E – Department of Community Dentistry
- F – Department of Oro-Maxillofacial Surgery and Stomatology

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 Conservative Dentistry (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., Ákos Dora Dr., Lőrincz Zatik Dr. Anita Gyórrffi Dr., Zsolt Németh Dr.

Department of Conservative Dentistry

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 Skláncz 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 each sub-practices:

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.

Conservative dentistry:

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.

The study materials of practices and other teaching aids related to the course are available to students on E-learning/Moodle interface.

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.

Other subjects concerning the border issues of the given subject (both compulsory and optional courses!). Possible overlaps of themes:

Cleft lip and cleft palate – Pediatric surgery
Sinus illnesses, head and neck cancers – Otorhinolaryngology
Allergy, mucosa – skin diseases – Dermatology, Internal Medicine
Focal diseases – Internal medicine, Dermatology, Rheumatology
Hemorrhagic patients' care – Hematology
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
Facial pain – Neutology
Orbital diseases due to infections and traumatologic causes – Traumatology, Ophthalmology
Examination of tissue from orafacial area - Pathology

Special study work required to successfully complete the course:

(E.g. field exercises, medical case analysis, test preparation, etc.)

None

Requirements for participation in classes and the possibility to make up for absences:

At least 75% participation is obligatory of the practices, according to the Study and Examination Regulations. The replacement of practices is available at the time of same language group by previous arrangement (respecting the students number).

Methods to assess knowledge acquisition during term time:

(E.g. homework, reports, mid-term test, end-term test, etc., the possibility of replacement and improvement of test results)

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.

Requirements for signature:

At least 75% participation.

Type of examination:

Written test exam on E-learning/Moodle interface.

Requirements of the examination:

(In case of a theoretical examination, please provide the topic list; in case of a practical exam, specify the topics and the method of the exam)

Written test exam on E-learning according to the practices. The study materials of practices are available for student on E-learning interface.

The test questions (simple choice – 1 correct answer from 4 options) are made up by the Departments and Clinics participated in the education.

Method and type of evaluation:

(Method of calculating the final mark based on the theoretical and practical examination. How the mid-term test results are taken into account in the final mark.)

Test exam:

40-45 points Excellent, 36-39 points Good, 31-35 points Average, 27-30 points Fair, 0-26 points Unsatisfactory

How to register for the examination:

On Neptun system.

Possibilities for exam retake:

According to the Study and Examination Regulations.

Printed, electronic and online notes, textbooks, guides and literature (URL address for online material) to aid the acquisition of the material:

The study materials are available for students on E-learning interface:
<https://itc.semmelweis.hu/moodle/>

Students can find more study materials, additional resources, notes, textbooks and literature links on the website of clinics and departments participated in education.

Signature of the habilitated instructor (course leader) who announced the subject:

Signature of the Director of the Managing Institute:

Hand-in date: 16.05.2022.

Opinion of the competent committee(s):

Comments of the Dean's Office:

Dean's signature: