



COURSE UNIT DESCRIPTION

Course unit title	Code
Oral surgery II/III	BCHI 3215

Lecturer(s)	Department(s)
Coordinating: Assist. Dr. Rūta Rasteniene, PhD Others: Assoc. Prof. Linas Zaleckas, PhD, Asist Ieva Gendvilienė, Asist Saulius Žukauskas, lect Dalius Matkevičius	Institute of Odontology, Faculty of Medicine, Vilnius University

Cycle	Level of the course unit	Type of the course unit
Full-time studies	2 of 3	Compulsory

Mode of delivery	Period of delivery	Language of instruction
Auditorial, face to face	6 th semester	English

Prerequisites and corequisites	
Prerequisites: A student must have completed the following courses and passed examinations: human anatomy, physiology, human biology and genetics in dentistry, latin and professional language, introduction to dentistry, legal aspects and management of dental care, ethics, fundamentals of microbiology, the Ecosystem, fundamentals of anesthetics and reanimatology, first aid, fundamentals of anesthetics and reanimatology, first aid, oral surgery 5th semester materials and practice requirements.	Corequisites (if any): Fundamentals of diagnosis and treatment of dental and oral diseases, basic neuroscience, prosthetic dentistry.

Number of ECTS credits allocated to the course unit	Total student's workload	Contact hours	Self-study hours
5	134	80	54

Purpose of the course unit Program competences to be developed		
The aim is to develop the professionalism and independence of a dental student; to provide knowledge of head and neck oncology, to develop the student's ability to diagnose tumors in a timely and appropriate manner, to provide necessary and emergency treatment in the presence of head and neck tumors. The student will be able to diagnose the pathology of the temporomandibular joint, neurological diseases of the head and neck, properly apply the restoration of dental defects with dental implants. Work in an interdisciplinary team and pursue professional development throughout professional career. Students will acquire principles of medical ethics and will be able to apply them in communication with patients and their relatives in cases of head and neck malignant diseases. Develop the ability to organize one's work and learning by choosing the right strategies for the tasks.		
Learning outcomes of the course unit	Teaching and learning methods	Assessment methods*
Will be able to collect and effectively use information from different sources of information, will be able to evaluate this information in a critical and scientific aspect, will be able to apply it in the diagnosis and treatment of diseases of the face, jaw and neck that require surgical treatment. Will be able to collect and document a detailed medical and dental history of the surgical patient; will be able to perform examination of oral, facial and neck organs, interpret the examination data and, if indicated, prescribe additional tests and examinations. Will be	Lectures, analysis of clinical cases, discussions in small groups, self-study, consultations at the departments of oral and maxillofacial surgery and emergency department, clinical practice	Multiple choice and short notes tests during seminars, analysis of clinical case and discussion and presentation

able to: communicate with patients respectively and constructively, according to medical ethics and law requirements; manage all medical records, to inform patients about diagnostic procedures and prognosis of oral and maxillofacial diseases. Recommend a few treatment options.		
Will be able to make diagnosis and treatment of patients with TMJ disorders, diseases of cranial nerves, will be able to plan treatment and will have knowledge in implant dentistry.		
Students are able to diagnose and differentiate salivary gland oncological diseases.		
Will be able to collect and analyze scientific literature about oral and maxillofacial tumors and use this information for practical reasons. Will know the stages of examination of a patient with head and neck malignant and non-malignant tumors, will know basic diagnostic principles, applied research methods, rational treatment planning, application of treatment methods, possible complications, prognosis of oncological diseases and prevention measures.		
Will be able to collect medical anamnesis, to perform a comprehensive examination of maxillofacial malignant tumors, perform differential diagnosis, to present preliminary and alternative treatment plans to the patient. Will know the principles of teamwork of specialists, ensuring the diagnosis, treatment and further care of the patient with head and neck cancer and will be able to apply them in practice.		
Will be able to effectively cooperate with specialists in other fields in the diagnosis, differentiation, planning and application of treatment in the presence of pathology of the trigeminal, facial and other cranial nerves, and temporomandibular joint disorders.		

Topics	Contact working hours				Self-study time and task	
	Lectures	Seminars	Practise	Total contact hours	Self-study	Tasks
1. Classification and diagnosis of oral and maxillofacial tumors. Malignant and non-malignant maxillofacial tumors, cysts in the oral and maxillofacial region.	2		8	10	8	TNM classification, basic steps in cancer diagnosis and treatment.
2. Etiology and pathogenesis oral and maxillofacial tumors	2		8	10	10	Preparation of presentation about maxillofacial cancer etiology, diagnosis and treatment.
3. Malignant and non malignant tumors in jaws, granulomas and other tumor-like lesions of maxillofacial region.	2		8	10	6	Analysis and presentation of medical histories of patients with maxillofacial tumors and / or cysts. (collection of

4. Tumors of salivary glands. Treatment of maxillofacial malignant tumors. Prevention.	2	1	7	10	6	medical history, examination of the patient, analysis of radiographs, preparation of treatment plan, interpretation of examinations). Analysis of clinical situations in groups. Analysis of clinical situations.
5. Temporomandibular joint anatomy, biomechanics. Classification of TMJ disorders, treatment, complications and rehabilitation of patients with TMJ disorders. (Ankylosis, arthritis, TMJ dysfunction, arthrosis).	2	1	7	10	6	
6. Innervation disorders of oral and maxillofacial region, classification, trigeminal nerve disorders, differential diagnosis, treatment principles. Facial pain, and facial nerve disorders. Differential diagnosis of facial nerve disorders. Other diseases of cranial nerves	2		8	10	6	To prepare a presentation about glossopharyngeal neuralgia, and styloid (Eagle) syndrome
7. Basics in implant dentistry. Indications and contraindications for implant placement, patient evaluation and preparation for implantation. Surgical steps in implant dentistry	2	1	7	10	6	Preparation of presentation about different implant systems, basic steps in implant dentistry and patients selection.
8. Complications and complication management in implant dentistry. Bone augmentation procedures before implantation. Steps, materials, indications and contraindications.	2	1	7	10	6	Bone graft material, different types of bone grafting material and techniques. Discussion in small groups
In general	16	4	60	80	54	

Assessment strategy	Weight (%)	Assessment period	Assessment criteria
Accumulative assessment (all components of the cumulative score must be passed no less than score 5) Obligatory attendance of seminars and practice			
Test (3 written interview during practice)	60%	During semester	The test consists of open-ended questions or a clinical situation or definition. The test is carried out during the practice, at least 1 week after the lecture corresponding to the test questions. Students are introduced to the subject of written tests and lectures in advance. The overall test score is written by summing up the points of the individual questions and dividing it by the number of questions. The minimum passing score for each test is 5. Failed tests are allowed to be retaken once during the semester. The total score of the test is written at the end of the semester, summing up the average of all the test scores performed and dividing it by the number.
Presentation/literature review	10%		<ul style="list-style-type: none"> - clarity of ideas, quality of arguments (2 points); - structure of presentation/review (2 points); - style and quality of scientific language (2 points); - quality (valid and reasonable) of conclusions (2 points). - visual quality of material presented (2 points). <p>A presentation is prepared on a given topic. Teacher assesses the presentation/ review and it is presented in cyberspace. The final score is written at the end of the semester as an average score of all works prepared.</p>
Assessment of practical	30%		Assessment methods and minimal requirements of

work and duties evaluation			practical work please find in the attachment To observe oral and maxillofacial surgeons work during duties in the emergency room. To get the signature of the surgeon.
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Author	Year of publication	Title	No of periodical or vol. of publication	Publication place and publisher or Internet link
Required reading				
Pogrel M, Anthony Kahnberg, Karl-Erik. Andersson Lars.	2014	Essentials of Oral and Maxillofacial Surgery		https://virtualbiblioteka.vu.lt/permalink/f/oik4r4/TN_pg_ebook_centralEBC1652054
Byrne Gerard	2014	Fundamentals of Implant Dentistry	1st edition	https://virtualbiblioteka.vu.lt/permalink/f/oik4r4/TN_pg_ebook_centralEBC1690923
Gremillion, Henry A; Klasser, Gary D.	2019	Temporomandibular Disorders: A Translational Approach from Basic Science to Clinical Applicability.		https://virtualbiblioteka.vu.lt/permalink/f/oik4r4/TN_pg_ebook_centralEBC5111463
Woo, Sook-Bin	2017	Oral Pathology E-Book: A Comprehensive Atlas and Text		https://virtualbiblioteka.vu.lt/permalink/f/oik4r4/TN_pg_ebook_centralEBC4677017
Recommended reading				
Kuriakose Moni, Abraham Kuriakose, Moni Abraham	2017	Contemporary Oral Oncology: Diagnosis and Management		https://virtualbiblioteka.vu.lt/permalink/f/oik4r4/TN_springer_s978-3-319-14917-2_325459
Ellis E, Hupp RJ, Tucker RM.	2002	Contemporary Oral and Maxillofacial Surgery.		Mosby leidykla
Kuriakose, Moni Abraham	2019	Contemporary Oral Oncology: Biology, Epidemiology, Etiology, and Prevention		https://virtualbiblioteka.vu.lt/permalink/f/oik4r4/TN_springer_s978-3-319-14911-0_324973
Dimitroulis G.	2000	A synopsis of minor oral surgery		Wright
L. Anderson, K.E. Kahnberg. M.A. Pogrel	2010	Oral and Maxillofacial surgery		<i>Blackwell Publishing Ltd</i>
Rogers Nicola, Pickett, Cinzia.	2017	Basic Guide to Oral and Maxillofacial Surgery.	First edition	https://virtualbiblioteka.vu.lt/permalink/f/oik4r4/TN_pg_ebook_centralEBC4836761
Pedlar J., Frame J.W.	2001	Oral and Maxillofacial surgery		Mosby
Articles related to subject available through subscribed databases of Library of Vilnius University: http://www.mb.vu.lt/istekliai/				