



COURSE UNIT DESCRIPTION

Course unit title	Code
Fundamentals of diagnostics and treatment of oral and dental diseases VI/VI	

Lecturer(s)	Department(s)
Coordinating: prof. dr. Vilma Brukienė Others: prof. dr. Vytautė Pečiulienė, prof. dr., HP Alina Pūrienė, assoc. prof. Saulius Drukteinis, assoc. prof. Rasmūtė Manelienė, , assist. prof. Estera Miliūnienė, lect. Daiva Janavičienė, lect. Diana Kibickaja, assist. prof. Eglė Nedzinskienė, teaching assist. Eglė Jonaitytė-Urbonė, teaching assist. Paulius Tušas, lect. Greta Aidukaitė, lect. Modesta Domeikaitė, lect. Jūratė Žekonienė, lect. Giedrius Krukonis, assist. prof. Arūnas Rimkevičius, lect. Jurga Zubaitė-Maliuk, assist. prof. Rokas Borusevičius, assist. prof. Lina Džiaugytė	Vilnius University Faculty of Medicine Institute of Odontology Centre of Clinical Odontology

Cycle	Level of the course unit	Type of the course unit
Integrated studies	VI/VI	Compulsory

Mode of delivery	Period of delivery	Language of instruction
Face-to-face	4 Year, 8 semester	English

Prerequisites and corequisites	
Prerequisites: A student must have completed the following courses: human anatomy, human physiology, Human biology and fundamentals of genetics in dentistry, Fundamentals of microbiology. Oral ecosystem, public health and dental public health, Latin language and specialty language, Fundamentals of pathology. : Propedeutics of internal medicine and internal diseases, Fundamentals of radiology: general and dental radiology, Pharmacology. Clinical pharmacology and laboratory medicine. Fundamentals of diagnostics and treatment of oral and dental diseases V/VI, , Fundamentals of neurology, Prosthodontics III/IV, Oral surgery II/II, Research methodology I/III	Corequisites (if any): It is recommended to study parallel: Prosthodontics IV/IV, Orthodontics, Research methodology II/III, Fundamentals of maxillofacial surgery. Ear, nose and throat diseases.

Number of ECTS credits allocated to the course unit	Total student's workload	Contact hours	Self-study hours
10	268	151	117

Purpose of the course unit Programme competences to be developed
Purpose of the course unit – to develop the ability to demonstrate a sound theoretical knowledge and understanding of postoperative tooth sensitivity, its reasons and prevention, longevity of direct restorations and influencing factors. To develop the ability to demonstrate a sound theoretical knowledge and understanding of etiology, clinic, diagnostic and treatment principles of periodontal lesions of endodontic origin, mucogingival defects and peri-implant tissue lesions; peculiarities of orthodontic treatment of periodontally compromised patients, periodontal care of patients with systemic disease, principles, indications, possible results and prognosis of guided tissue regeneration. To develop the ability to do gingivectomy/gingivoplastic procedures around one tooth and splinting of mobile teeth for periodontally compromised

patient. To develop the ability to organise self-study and work, choosing right strategy to perform the tasks, the ability to work in the interdisciplinary team. To be competent to provide independently oral health care for infants, children and adolescents (oral diagnostics, treatment planning, preventive and treatment procedures), to continue to seek additional knowledge and skills throughout the careers. To be competent to communicate with patients irrespective of their social and cultural background.

Learning outcomes of the course unit	Teaching and learning methods	Assessment methods
Will acquire knowledge in the reasons of postoperative tooth sensitivity and will be competent to prevent it.	Collecting information from scientific sources, preparation and presentation of a review of scientific literature, lectures, practice Group discussion, self-study. Clinical situation analysis, group discussion, clinical work with patients, self-study. Clinical situation analysis, clinical work with patients. Clinical situation analysis, group discussion, self-study.	Testing (open-ended and closed-ended items), review of scientific literature, assessment of practical work Exam at the end of semester Presentation and examination at the end of the semester. Continuing assessment of clinical work, test, practice journal, and examination at the end of the semester. Examination at the end of the semester.
Will acquire knowledge in factors determine the longevity of direct restorations, prevention of secondary caries, direct restoration wear, replacement indications, demonstrate understanding of economic aspect of direct cavity restoration		
Be familiar with etiology, clinic, diagnostic and treatment principles of periodontal lesions of endodontic origin, mucogingival defects, orthodontics and periodontics.		
Be familiar with treating periodontally compromised patient with systemic disease.		
Be familiar with principles, indications, results and prognosis of regenerative periodontal therapy		
Be familiar with etiology, clinic, diagnostic, treatment methods, prophylaxis and prognosis of peri-implant infections		
Be competent at doing gingivectomy/gingivoplastic procedures around one tooth		
Be competent at doing splinting of mobile teeth for periodontally compromised patient		
Competent in problem solving, communication; to collaborate in multidisciplinary teams concerned with the welfare of children		
Competent to manage medical and dental emergency situation in clinical dental practice; manage trauma in primary and mixed dentition.		
Competent to recognise if special requirement are needed for dental management of children with special needs; apply caries preventive measures in children with special needs.		
Competent to manage dental trauma and its potential complications in primary and mixed dentition.		
Competent to extract primary and permanent teeth in children.		
Competent to recognise indications and contraindications for conscious sedation; have knowledge in principles of administering of conscious sedation in paediatric dentistry; recognise and assess medical emergency situations in paediatric dentistry.		

Topics	Contact work hours							Time and tasks of self-study	
	Lectures	Consultations	Seminars	Practice	Laboratory work	Practical training	Total contact hours	Self-study	Tasks
Postoperative tooth sensitivity			2	10				10	Retrospectively describe and present oneself postoperative sensitivity cases
Longevity of direct restorations			2	10				10	To prepare and present a review of scientific literature on factors influencing longevity of direct restoration and its prevention.

Diagnosis, differential diagnosis and treatment of complicated dental caries			2	10					
Diagnosis, differential diagnosis and treatment of complex endodontic disease cases			4	11				10	To prepare and present a review of scientific literature on the relevant topic
Endodontic retreatment of single-rooted teeth and premolars			2	20				10	
Interdisciplinary Relationship: Perio- Endo, Perio- orthodontic, Perio- Orthopedics			2	10				15	To prepare and present a review of scientific literature on the relevant topic Reading of additional recommended literature, preparation and presentation of the project in dental management of children with special needs.
Periodontitis as manifestation of systemic diseases			2	10				10	
1. Trauma in primary and mixed dentition.			2	10			12	5	
2. Conscious sedation in paediatric dentistry.				8			8	2	
3. Dental management of disabled children			2	15			17	5	
4. Dental management of medically compromised children.			2	15			17	18	
Total			22	129			151	117	

Assessment strategy	Weight (%)	Assessment period	Assessment criteria
Accumulative assessment (all components of the cumulative score must be maintained at no less than 5) Obligatory attendance of seminars and practice			
Test	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.
Assessment of practical work	40%		Assessment methods and minimal requirements of practical work please find in the attachment
Exam (both components must be at least 5 points)			
Test	100%	During examination session	Closed-ended and open - ended questions. 50% type I, one correct answer from 4, 40% type II, 2-3 correct answers from 5, 10% type III clinical situation or description Every answer is evaluated 0 or 10 points. Total points for test: the sum of all points divided from number of questions. Examination is considered to be passed if correct answer is given to 50%. and more questions. 91-100 percent - 10 points (excellent); 81-90 percent - 9 points (l. Well); 71-80 percent - 8 points (good); 61-70 percent - 7 points (average); 56-60 percent - 6 points (satisfactory); 50-55 percent - 5 points (weak);

			41-49 percent - 4 points (unsatisfactory); 31-40 percent - 3 points (unsatisfactory); 21-30 percent - 2 points (unsatisfactory); 11-20 percent - 1 point (unsatisfactory); 0-10% - 0 points (not rated).
Final assessment			
Exam			The score of the exam consists of the theoretical part of the exam.
Accumulative score	50%	During examination session	Accumulative score: the average of sum of all scores received for all tests, essays and assessments of practical work during 2 semesters
	50%		

Author	Year of publication	Title	No of periodical or vol. of publication	Publication place and publisher or Internet link
Required reading				
Roberson T.M	2006	Sturdevant's art and science of operative dentistry. 5th ed., p. 705.		St. Louis, MOSBY
Fejershov O., Kidd E.	2008	Dental caries: the Disease and Its Clinical Management. Second ed., p. 443-456.		Wiley Blackwell
J. Lindhe, N. P. Lang, T. Karring.	2015	Clinical Periodontology and Implant Dentistry, 6th edition 11, 23, 25, 28, 41, 42, 45, 46, 58 chapters		Wiley-Blackwell
R. Welbury, M.S.Duggal, M.T.Hosey	2012	Paediatric dentistry, 4 th ed.; p:219-370		Oxford University Press
Recommended literature				
Shwartz R.S.	2006	Fundamentals of Operative Dentistry: A Contemporary Approach, p. 59-60.		Quintessence
Newman, Michael G.	2015	Carranza's Clinical Periodontology, Twelfth Edition		https://www.clinicalkey.com#!/browse/book/3-s2.0-C2012007634X
				http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1600-0757
				http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1600-051X
				http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1834-7819
				http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1600-0501
P.S.Casamassimo, D.J.McTigue, H.W.Fields, Jr, A.J.Nowak	2013	Pediatric Dentistry. Infancy through adolescence.		Elsevier Saunders
G.Koch, S. Poulsen	2009	Pediatric dentistry-a clinical approach; p: 44-60, 264-296, 315-349		Wiley-Blackwell
C.Scully, R.A.Cawson	2005	Medical problems in dentistry.		Elsevier Churchill Livingstone
C. H. Splieth	2011	Revolutions in Pediatric Dentistry		Quintessence Publishing