DESCRIPTION OF COURSE UNIT FOR DOCTORAL STUDIES AT VILNIUS UNIVERSITY

Scientific Area/eas, Field/ds of Science	Medical and Health Sciences (M 000): Odontology (M 002)				
Faculty, Institute,	Faculty of Medicine				
Department/Clinic	Institute of Odontology				
Course unit title	Diseases of Dental Pulp and Apical Periodontal				
(ECTS credits, hours)	Tissues				
	7 credits (18	-			
Study method	Lectures	Seminars	Consultations	Self-study	
Number of ECTS credits	-	1	1	5	
Method of the			ntation topic shou		
assessment (in 10 point system)	and decided with the lecturer coordinating the unit. Student should review, analyze, and present the newest research				
	findings that are related to the topic. The following aspects are				
	evaluated:				
	- Structu	- Structure of the presentation, comprehensiveness, and			
		of the material (
		- Clear presentation of knowledge, argumentation, critical			
		g (2 points);	ana (2 nainta).		
		 Conclusions and limitations (2 points); Clinical recommendations, evidence-based statements (2 			
	points)		is, evidence base	a statements (2	
	 Discussion, ability to answer questions (2 points). 				
	Minimal passin				
		THE COURSE			
To gain knowledge about the novel scientific findings of the etiology, diagnosis,					
principles of treatment and prevention of pulpal and apical periodontal tissue					
diseases.					
THE MAIN TOPICS OF THE COURSE UNIT					
1. Anatomy, histol					
	ues. Anatomical features of upper and lower jaw teeth,				
microhiological a	aspects of pulp and apical periodontal tissue diseases.				
2. Examination of t	•	agnostic proce	dures and methor	ods. Principles	
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10.Surgical endodontics: indications and contraindications, treatment
principles, instruments and methods of procedure. Endodontic treatment or implant placement. Indications for the choose of different treatment methods.
11.Endodontic/periodontal pathology: classification of lesions, diagnosis,
differential diagnosis, treatment features.
12.Main principles of prosthetic restoration of endodontically treated teeth:
functional anatomy of the masticatory system, treatment planning,
treatment methods and principles.
RECOMMENDED LITERATURE SOURCES
1. Cohen S, Hargreaves KM, eds. Pathways of the pulp, 12th ed. St. Louis: Mosby, 2021
(Clinicalkey duomenų bazė).
2. Regenerative Endodontics: Burning Questions Anthony J. Smith, PhD, and Paul R.
Cooper, PhD Endod 2017;43:S1-S6
3. Hengameh Bakhtiar, Amir Mazidi, Saeed Mohammadi Asl, M. R. Ellini, · A. Moshiri,
M. H. Nekoofar, P. M. H. Dummer. The role of stem cell therapy in regeneration of
dentine-pulp complex: a systematic review Progress in Biomaterials (2018) 7:249– 268
4. Koli ir kt. Combination of Nonsurgical Endodontic and Vital Pulp Therapy for
Management of Mature Permanent Mandibular Molar Teeth with Symptomatic
Irreversible Pulpitis and Apical Periodontitis JOE, Volume 47, Number 3, March 2021
5. Edwin Chang ir kt. Cone-beam Computed Tomography for Detecting Vertical Root
Fractures in Endodontically Treated Teeth: A Systematic Review J Endod
2016;42:177–185.
6. PradeepKumar et al Diagnosis of Vertical Root Fractures by Cone-beam Computed
Tomography in Root-filled Teeth with Confirmation by Direct Visualization: A
Systematic Review and Meta-Analysis. JOE Volume 47, Number 8, August 2021 7. Rivera E. ir kt. Longitudinal tooth cracks and fractures: an update and review.
Endodontic Topics 2015, 33, 14–42
8. European Society of Endodontology developed by: Mannocci F. Ir kt.European
Society of Endodontology position statement: The restoration of root filled teeth <i>Int</i>
Endod J. 2021;54:1974–198.
9. Careedu R. ir kt A prospective clinical study investigating the effectiveness of partial
pulpotomy after relating preoperative symptoms to a new and established
classification of pulpitis. Int Endod J. 2021;54:2156-2172.
CONSULTING LECTURERS
1. <u>Coordinating lecturer</u> : Vytautė Pečiulienė (Prof. Dr.).
2. Saulius Drukteinis (Assoc. Prof. Dr.).
3. Vilma Brukiene (Prof. Dr.).
4. Rasmute Maneliene (Assoc. Prof. Dr.).
APPROVED:
By Council of Doctoral School of Medicine and Health Sciences at Vilnius University:
29 th of September 2022
Chairparson of the Peardy Drof, Japina Tutkuwiene

Chairperson of the Board: Prof. Janina Tutkuvienė