

SELECTIVE DISCIPLINE

for 4st year students of the Faculty of Dentistry

2020-2021 academic year

Name of subject	ENDODONTIC TREATMENT IN PEDIATRIC DENTISTRY
Department	Pediatric Dentistry
Teachers	Assistant Rozhko V.I. Assistant Marchuk I.S.
Brief description of the scope of the subject	<p>Objective of the subject: expanding knowledge on pathogenesis, clinical signs and treatment of pulp and periodontal diseases in children.</p> <p>Task: interpret current additional methods of examination and carry out endodontic treatment of children according to current international protocols and techniques.</p> <p>Results of learning the subject: Student should <i>know</i>:</p> <ol style="list-style-type: none"> 1. Structure and variety of Weine's classification of root canal system. 2. Diagnostics in endodontia (root canal treatment). Interpretation of cone-radial computed tomography. Crack and VRF diagnostics of teeth. Current classification of resorption types, the notion of endocervical resorption. 3. Techniques of preparation of root canals by means of manual and rotational instruments. The notion of VT and VTVT techniques. 4. Modern endodontic materials and techniques of temporary and permanent obturation. MTA generation. 5. Regenerative endodontic procedures. 6. Effect of endodontic manipulations on the tooth structure. Prognosis of endodontic treatment. <p>Student should <i>be able to</i>:</p> <ol style="list-style-type: none"> 1. Create endodontic access according to current methods. Apply microscope and ultrasound. 2. Conduct pharmacological treatment of root canals according to international protocols. 3. Conduct obturation of the root canal by means of hot gutta-percha condensation: Schindler method, continuous wave method, squirt method. Bioceramic obturation. 4. Conduct apexogenesis, apexifixation, revascularization.
Provision of general and professional competence	<p>GC 2 Knowledge and understanding the scope of the subject and professional activity.</p> <p>GC 3 Ability to apply knowledge in practical work.</p> <p>GC 6 Skills to use information and communication technologies.</p> <p>PC 8 Ability to carry out medial and stomatological manipulations.</p> <p>PC 9 Ability to treat common diseases of the organs and tissues of the oral cavity and maxillary-facial area.</p>