


APPROVING:

head of department department
children's dentistry

 I. V. Fomenko

**Thematic plan of seminar-type classes
in the discipline "Prevention and community dentistry"
for students of the year 2024 admission
according to the educational program 31.05.03 Dentistry
orientation (profile) Dentistry
(specialty)
form of study full-time
spring semester 2025-2026 academic year.**

#	Thematic blocks	Hours (academic)
1.	Resistance of teeth to caries. Structure and properties of enamel after teething.	2
	"Risk zones" on the teeth. Levels of caries resistance. Direct and indirect methods for assessing tooth resistance to caries (TER-test, CRT-test, etc.).	2
2.	Cariogenic situation. General and local risk factors for caries development. The role of drinking water and nutrition in the development of caries situation.	2
	The role of the general condition of a pregnant woman and child, extreme impacts in the development of a caries situation.	2
3.	Dependence of tooth resistance to caries on the properties of mixed saliva (salivation rate, viscosity, pH, saliva buffer capacity, etc.). Stefan curve.	2
	Ways to identify a caries-causing situation. KOSRE test. Assessment of dental plaque cariesogenicity. Identification of cariogenic microflora.	2
4.	Prediction of caries development. Determination of tooth resistance to caries by the degree of activity of the carious process.	2
	Hygienic index in the prognosis of dental caries. Methods for determining the risk of caries development.	2
5.	The role of fluorides in the prevention of dental caries. The mechanism of action of fluorides before and after teething.	2
	The use of fluorides in caries prevention programs (fluoridation of water, milk, salt).	2
6.	Ways to eliminate the caries situation. Exogenous drug-free and drug-free prevention of caries.	2
	Application of fluorides (lacquers, gels, foams, films, solutions, etc.). Practical development of the method of applying fluoride varnish.	2
7.	Prevention of caries by remineralizing agents with calcium and phosphates. Part 1.2	2
	Prevention of caries by remineralizing agents with calcium and phosphates. Part 2.2	2
8.	Endogenous prevention of caries. Drug-free prevention.	2
	Principles of elimination of caries-causing factors related to nutrition issues.	2
9.	Endogenous drug prevention of caries	2
	Oral administration of anti-caries drugs (fluoride preparations and supplements, calcium and phosphate preparations, etc.).	2

210.	Sealing of fissures and pits as a method of caries prevention. 2 Indications and contraindications for sealing fissure. Classification of modern sealants.	2
	Indications and contraindications for sealing fissure. Classification of modern sealants.	2
11.	Methods of sealing fissures.	2
	Practical development of the method of sealing fissures.	2
12.	Complex system of caries prevention.	2
	Situational analysis, planning cycle, goal setting, community prevention programs, monitoring and evaluating the effectiveness of caries prevention programs.	2
13.	Primary and secondary prevention of caries. Oral sanitation in children and its role in the prevention of dental diseases.	2
	Medical examination of children by a dentist	2
Total		52

Reviewed at the meeting of the Department of Pediatric Dentistry " 30 " June 2025, Protocol No. 17

Head of the Department

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