

**Thematic plan of seminars
in the discipline "Cariology and hard tissue lesions of teeth"
for students of the educational program
specialist degree in the specialty of training 31.05.03 Dentistry,
direction (profile) Dentistry, form of study – resident instruction
3rd-Years Students (Term V), for the 2023-2024 academic year**

№	Thematic blocks	Hours (academic)
1	The organization of the therapeutic department ¹ . Basic principles of asepsis, infection control in conservative dentistry ² . (Part 1)	2 (90 min.)
	Ergonomics and deontological principles in the treatment of caries and non-caries lesions of hard tissues of teeth ² . Records and reports. Quantitative and qualitative indicators of the dentist's work ² . (Part 2)	1,67 (75 min.)
2	Examination techniques a dental patient ¹ . Essence and significance of basic techniques of examination. Registration in a dental patient's card ² . (Part 1)	2 (90 min.)
	Examination techniques a dental patient ¹ . Essence and significance of basic techniques of examination. Registration in a dental patient's card ² . (Part 2)	1,67 (75 min.)
3	Examination techniques a dental patient ¹ . Essence and significance of additional techniques of examination. Index estimation of a condition of the teeth and periodontium ² . (Part 1)	2 (90 min.)
	Examination techniques a dental patient ¹ . Essence and significance of additional techniques of examination. Index estimation of a condition of the teeth and periodontium ² . (Part 2)	1,67 (75 min.)
4	Plaque and calculus ¹ . Classification. Diagnostics of dental deposits. The definition of plaque indices. Scaling ² . (Part 1)	2 (90 min.)
	Plaque and calculus ¹ . Classification. Diagnostics of dental deposits. The definition of plaque indices. Scaling ² . (Part 2)	1,67 (75 min.)
5	Dental caries ¹ . The epidemiology of dental caries. The etiology and the pathogenesis of dental caries. Modern hypotheses concerning the etiology and pathogenesis of caries. International classification ² . (Part 1)	2 (90 min.)
	Dental caries ¹ . The epidemiology of dental caries. The etiology and the pathogenesis of dental caries. Modern hypotheses concerning the etiology and pathogenesis of caries. International classification ² . (Part 2)	1,67 (75 min.)
6	Enamel caries (white spot) ¹ . Histopathology, clinical features, diagnosis and differential diagnosis, treatment ² . (Part 1)	2 (90 min.)
	Enamel caries (white spot) ¹ . Histopathology, clinical features, diagnosis and differential diagnosis, treatment ² . (Part 2)	1,67 (75 min.)
7	Enamel caries (superficial caries) ¹ . Histopathology, clinical features, diagnosis and differential diagnosis, treatment ² . (Part 1)	2 (90 min.)
	Enamel caries (superficial caries) ¹ . Histopathology, clinical features, diagnosis and differential diagnosis, treatment ² . (Part 2)	1,67 (75 min.)
8	Dentinal caries (medium caries) ¹ . Histopathology, clinical features, diagnosis and differential diagnosis, treatment ² . (Part 1)	2 (90 min.)
	Dentinal caries (medium caries) ¹ . Histopathology, clinical features, diagnosis and differential diagnosis, treatment ² . (Part 2)	1,67 (75 min.)
9	Pulp hyperemia (deep caries) ¹ . Histopathology, clinical features, diagnosis and differential diagnosis, treatment ² . (Part 1)	2 (90 мин.)
	Pulp hyperemia (deep caries) ¹ . Histopathology, clinical features, diagnosis and differential diagnosis, treatment ² . (Part 2)	1,66 (75 min.)
10	Root caries ¹ . Histopathology, clinical features, diagnosis and differential diagnosis, treatment ² . (Part 1)	2 (90 min.)

	Root caries ¹ . Histopathology, clinical features, diagnosis and differential diagnosis, treatment ² . (Part 2)	1,66 (75 min.)
11	Systemic medication of caries ¹ . Prevention of caries ² . (Part 1)	2 (90 min.)
	Systemic medication of caries ¹ . Prevention of caries ² . (Part 2)	1,66 (75 min.)
12	Errors and complications , arising in the diagnosis and treatment of dental caries ¹ . Their prevention and methods of their elimination ² . (Part 1)	2 (90 min.)
	Errors and complications , arising in the diagnosis and treatment of dental caries ¹ . Their prevention and methods of their elimination ² . (Part 2)	1,66 (75 min.)
	Total	44

¹ - Subject

² - essential content (if necessary)

Considered at the meeting of the department of Therapeutic Dentistry "01" June 2023, protocol No12

Head of the Department of Therapeutic
Dentistry, DSci, Professor



I.V. Firsova

**Thematic plan of seminars
in the discipline "Cariology and hard tissue lesions of teeth"
for students of the educational program
specialist degree in the specialty of training 31.05.03 Dentistry,
direction (profile) Dentistry, form of study – resident instruction
3rd-Years Students (Term VI), for the 2023-2024 academic year**

№	Thematic blocks	Hours (academic)
1	Non-cariou lesions of teeth¹. Classification of non-cariou lesions. Tooth lesions at follicular period of tissue development – before tooth eruption (abnormalities of size and form of teeth, hypoplasia, the enamel hyperplasia, endemic fluorosis, symptoms of syphilis hereditaria tarda, development abnormalities and tooth eruption, change in colour). Etiopathogenesis, pathoanatomy, clinical findings, diagnosis, differential diagnostics, prevention and treatment ² . (Part 1)	2 (90 min.)
	Non-cariou lesions of teeth¹. Classification of non-cariou lesions. Tooth lesions at follicular period of tissue development – before tooth eruption (abnormalities of size and form of teeth, hypoplasia, the enamel hyperplasia, endemic fluorosis, symptoms of syphilis hereditaria tarda, development abnormalities and tooth eruption, change in colour). Etiopathogenesis, pathoanatomy, clinical findings, diagnosis, differential diagnostics, prevention and treatment ² . (Part 2)	1,67 (75 min.)
	Inherited abnormality in tooth development¹. Etiopathogenesis, pathoanatomy, clinical findings, diagnosis, differential diagnostics, prevention and treatment ² . (Part 3)	1 (45 min.)
2	Non-cariou lesions occurring after eruption: pigmentation and dental plaque, hard tissue attrition, wedge-shaped defect, tooth erosion¹. Etiopathogenesis, pathoanatomy, clinical findings, diagnosis, differential diagnostics, prevention and treatment ² . (Part 1)	2 (90 min.)
	Non-cariou lesions occurring after eruption: pigmentation and dental plaque, hard tissue attrition, wedge-shaped defect, tooth erosion¹. Etiopathogenesis, pathoanatomy, clinical findings, diagnosis, differential diagnostics, prevention and treatment ² . (Part 2)	1,67 (75 min.)
	Non-cariou lesions occurring after eruption: pigmentation and dental plaque, hard tissue attrition, wedge-shaped defect, tooth erosion¹. Etiopathogenesis, pathoanatomy, clinical findings, diagnosis, differential diagnostics, prevention and treatment ² . (Part 3)	1 (45 min.)
3	Non-cariou lesions occurring after eruption: hard tissue necrosis, dental hyperesthesia, dental injury¹. Etiopathogenesis, pathoanatomy, clinical findings, diagnosis, differential diagnostics, prevention and treatment ² . (Part 1)	2 (90 min.)
	Non-cariou lesions occurring after eruption: hard tissue necrosis, dental hyperesthesia, dental injury¹. Etiopathogenesis, pathoanatomy, clinical findings, diagnosis, differential diagnostics, prevention and treatment ² . (Part 2)	1,67 (75 min.)
	Non-cariou lesions occurring after eruption: hard tissue necrosis, dental hyperesthesia, dental injury¹. Etiopathogenesis, pathoanatomy, clinical findings, diagnosis, differential diagnostics, prevention and treatment ² . (Part 3)	1 (45 min.)

4	Dental discoloration. Vital tooth bleaching¹. Classification of dental bleaching techniques. Indications and counterindications for dental bleaching. In-Office tooth whitening technique. Therapeutic errors and accidents arising during in-office whitening and the methods of their elimination ² . (Part 1)	2 (90 min.)
	Dental discoloration. Vital tooth bleaching¹. Classification of dental bleaching techniques. Indications and counterindications for dental bleaching. In-Office whitening technique. Therapeutic errors and accidents arising during in-office whitening and the methods of their elimination ² . (Part 2)	1,67 (75 min.)
	Vital tooth bleaching¹. At-home tooth whitening technique. Therapeutic errors and accidents arising during in-office whitening and the methods of their elimination ² . (Part 3)	1 (45 min.)
5	The term “dental restoration”, it`s intension¹. Indications and counterindications for dental restoration. The healing conception of dental restoration in patients with caries and non-carious lesions. Dental restoration material selection for diverse groups of teeth. The stages of molars and premolars restoration ² . (Part 1)	2 (90 min.)
	The term “dental restoration”, it`s intension¹. Indications and counterindications for dental restoration. The healing conception of dental restoration in patients with caries and non-carious lesions. Dental restoration material selection for diverse groups of teeth. The stages of molars and premolars restoration ² . (Part 2)	1,66 (75 min.)
	The term “dental restoration”, it`s intension¹. Indications and counterindications for dental restoration. The healing conception of dental restoration in patients with caries and non-carious lesions. Dental restoration material selection for diverse groups of teeth. The stages of molars and premolars restoration ² . (Part 3)	1 (45 min.)
6	The dental restoration¹. The stages of anterior teeth restoration ² . (Part 1)	2 (90 min.)
	The dental restoration¹. The stages of anterior teeth restoration ² . (Part 2)	1,66 (75 min.)
	The dental restoration¹. The stages of anterior teeth restoration ² . (Part 3)	1 (45 min.)
Total		28

¹ - Subject

² - essential content (if necessary)

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Head of the Department of Therapeutic
Dentistry, DSci, Professor



I.V. Firsova