MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS

Educational Institution
BELARUSIAN STATE MEDICAL UNIVERSITY

Контрольный экземпляр **APPROVED**

by Vice-rector for academic work

Yu.A.Sokolov

15. 11. 2023

leg. #110-07-31/2324 /edu.

THERAPEUTIC PEDIATRIC DENTISTRY

Curriculum of educational institution in the academic discipline for the specialty:

1-79 01 07 «Dentistry»

Curriculum is based on the educational program «Therapeutic Pediatric Dentistry», approved 15.11.2023, registration # УД-07-031/2324/уч.; on the educational plan in the specialty 1-79 01 07 «Dentistry», approved 17.05.2023, registration # 7-07-0911-03/2324/mf.

COMPILERS:

- N.V.Shakovets, MD, Professor, Head of the Department of Pediatric Dentistry of the educational institution «Belarusian State Medical University»;
- O.M.Leonovich, PhD, Associate Professor of the Department of Pediatric Dentistry of the educational institution «Belarusian State Medical University»;
- E.I.Melnikova, PhD, Associate Professor of the Department of Pediatric Dentistry of the educational institution «Belarusian State Medical University»;
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RECOMMENDED FOR APPROVAL:

by the Department of Pediatric Dentistry of the educational institution «Belarusian State Medical University» (protocol # 3 of 15.09.2023);

by the Scientific and Methodological Council of the educational institution «Belarusian State Medical University» (protocol # 11 of 15.11.2023)

EXPLANATORY NOTE

«Therapeutic Pediatric Dentistry» – the academic discipline of the module «Pediatric Dentistry», which contains systematized scientific knowledge about methods of treatment and prevention of dental diseases in children, about methods for diagnosis of diseases for choosing a method for treatment of pathological processes of the maxillofacial area in childhood.

The aim of the discipline «Therapeutic Pediatric Dentistry» is the formation of specialized competencies for solving problems of professional activity in the field of prevention and treatment of main oral diseases in children, in the acquisition by students of the latest scientific knowledge about the patterns of growth and development of teeth, periodontium, and the features of the development of main oral diseases at different age periods.

The objectives of the discipline «Therapeutic Pediatric Dentistry» are to form students' scientific knowledge about:

etiology, pathogenesis, clinical manifestations of dental diseases in childhood; modern methods of diagnosis of main dental diseases in childhood;

modern methods of prevention and treatment of dental diseases in children;

behavioral reaction of children at a dental appointment;

ways to minimize pain during therapeutic treatment of dental caries and its complications;

clinical manifestations of viral and bacterial diseases in the oral cavity in children;

traumatic dental injuries in children.

The knowledge, skills and abilities acquired during the study of the academic discipline «Therapeutic Pediatric Dentistry» are necessary for successful mastering of the academic discipline «Pediatric Maxillofacial Surgery».

Studying the educational discipline «Therapeutic Pediatric Dentistry» should ensure the formation of students' the following specialized competence:

SC. Conduct examination, apply methods of diagnosis, prevention and treatment of major dental and surgical diseases of the maxillofacial region in children.

As a result of studying the discipline «Therapeutic Pediatric Dentistry» the student should

know:

methods of organization of medical care for children with therapeutic dental diseases;

etiology, pathogenesis, features of clinical manifestations, methods of diagnosis, treatment and prevention of dental caries, diseases of the pulp and apical periodontium in children, dental trauma and non-carious lesions of dental hard tissues, diseases of periodontium and oral mucosa in children;

etiology, pathogenesis, features of clinical manifestations, methods of diagnosis, treatment and prevention of inflammatory diseases and traumatic injuries to teeth in children:

fundamentals of ethics and deontology;

clinical picture and features of manifestations of allergic reactions which can be life and (or) health-threatening conditions for children;

be able to:

establish contact with children, adolescents and their parents;

provide a positive psychological follow-up reaction when visiting a dentist;

carry out a complex of diagnostic procedures in children with dental caries, diseases of the pulp and apical periodontium, with non-carious lesions of dental hard tissues and traumatic injuries to the teeth, with diseases of the periodontium and oral mucosa:

formulate and justify the diagnosis according to the International Classification of Diseases, carry out differential diagnosis;

prepare carious cavities of primary and immature permanent teeth in children, select filling material depending on the depth and activity of the carious process;

perform the stages of vital and nonvital pulpotomy and pulpectomy;

carry out application, infiltration and nerve block anesthesia in the maxillofacial area in children;

carry out effective primary and secondary prevention of diseases of the hard tissues of teeth, periodontium, and oral mucosa;

provide medical care for children with allergic reactions which can be life and (or) health-threatening conditions;

master:

methods of primary and secondary prevention of diseases of the dental hard tissues, periodontium, and oral mucosa in children;

methods of restoration of primary and immature permanent teeth with different filling materials;

methods of endodontic treatment of primary and immature permanent teeth; methods of application, infiltration and nerve block anesthesia in the maxillofacial area in children.

Total number of hours for the study of the discipline is 548 academic hours. Classroom hours according to the types of studies: lectures – 24 hours, practical classes – 273 hours, student independent work (self-study) – 251 hours.

Intermediate assessment is carried out according to the syllabus of the specialty in the form of a credit (6th, 8th, 9th, 10th semesters), and examination (7th semester).

Form of higher education – full-time.

ALLOCATION OF ACADEMIC TIME ACCORDING TO SEMESTERS OF STUDY

			N	umber o	of academic ho	urs	
				in	cluding	lies	
Code, name of the specialty	Semester	total	in-class	lectures	practical classes	out-of-class self-studies	Form of current assessment
	6	120	73	8	65	47	credit
1 50 01 05	7	120	74	8	66	46	exam
1-79 01 07	8	102	34	4	30	68	credit
«Dentistry»	9	98	46	4	42	52	credit
	10	108	70	-	70	38	credit
Total:		548	298	24	273	251	

THEMATIC PLAN

Section (topic) name		r of class ours
Section (topic) name	lectures	practical
1. Age-related features of children's behavior at therapeutic dental appointments. Fundamentals of ethics and deontology	_	5
2. Psychological, psychotherapeutic and pharmacological provision of the contact between the doctor and child	1,33	5
3. Means and methods to minimize pain during dental treatment of children	1,33	5
4. Anatomical, physiological and radiological features of the primary and immature permanent teeth at different periods of development. The methods of dental caries diagnostic in children	_	5
5. Dental caries in primary teeth	1,33	15
6. Dental caries in permanent teeth in children	1,33	10
7. Pulpitis in primary teeth	1,33	10
8. Pulpitis in immature permanent teeth	1,33	10
9. Anatomical, physiological and radiological features of apical periodontium in primary and immature permanent teeth at different periods of their development	_	6
10. Apical periodontitis in primary teeth	1,33	12
11. Apical periodontitis in immature permanent teeth	1,33	12
12. Mistakes and complications during the treatment of pulpitis and apical periodontitis in children		6
13. Traumatic injuries of the teeth in children	2,66	12
14. Non-carious lesions of the teeth in children	2,66	18
15. Anatomical, physiological and radiological features of the periodontium in children at different ages	-	5
16. Gingivitis in children	1,33	5
17. Rapidly progressive periodontal diseases in children. Symptomatic periodontitis in children with systemic diseases	1,33	5
18. Anatomical and physiological features of the oral mucosa in children at different ages	_	5
19. Acute and chronic recurrent herpetic stomatitis	1,33	10
20. Oral mucosa lesions in children with infectious diseases	1,33	28
21. Oral manifestations of allergic reactions in children	1,33	14
22. Traumatic injuries of the oral mucosa in children	_	7
23. Diseases of the lips and tongue in children	_	14
24. Oral manifestations of somatic diseases in children	_	14
25. Features of providing dental care to children of different ages	1,33	35
Total hours	24	273

CONTENT OF THE EDUCATIONAL MATERIAL

1. Age-related features of children's behavior at therapeutic dental appointments. Fundamentals of ethics and deontology

The objectives of pediatric dental treatment. Treatment participants: the role, relationships. Behavior of children and parents at the dental office in the process of treatment. Assessment of co-operation with the child and the choice of strategy to control dental patients' behavior.

Fundamentals of ethics and deontology: compliance with ethical and deontological principles allows to prevent the emergence of conflict situations in the medical environment, achieve mutual understanding with the child and his parents and increase the level of service and the effectiveness of treatment.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation. Determining the type of behavior of the child and his parents.

2. Psychological, psychotherapeutic and pharmacological provision of the contact between the doctor and child

Formation of the children behavioral responses at the dental office. The concept of the stimulus, the threshold of sensitivity needs of the child, emotional reactions, anxiety, coping strategies for children and parents. Age and individual characteristics of children and adolescents, mental development and behavior. Psychological methods to create a positive attitude towards dentistry and appropriate behavior at the dental office of children and adolescents who are able and willing to cooperate, anxious children and children who are not able to cooperate. Features of dental care for children with physical symptoms, with impaired mental development and disabilities.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation. Using psychological methods to form a positive attitude towards treatment and adequate behavior in children.

3. Means and methods to minimize pain during dental treatment of children

Measures to minimize pain in children during dental treatment. Features selection and implementation of local anesthesia in children on therapeutic dental examination. Cognitive sedation. Methods of work with children who are not able to co-operate: physical immobilization, deep sedation and general anesthesia.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation. Using psychological

methods to form a positive attitude towards treatment and adequate behavior in children.

4. Anatomical, physiological and radiological features of the primary and immature permanent teeth at different periods of development. The methods of dental caries diagnostic in children

Features of hard tissue structure in primary and permanent teeth during root formation in children and their relation to the features of dental caries in children. Tertiary mineralization: the terms and the factors influencing it. The stages of root formation. Growth zone: structure, functions, features, normal and pathological conditions. The mechanism, types and terms of the primary teeth root resorption. Basic and additional methods of dental caries diagnosis: interview, examination, probing, transillumination, FOTI, laser fluorescence, thermal probe, electrometry, electric pulp test, vital staining (features of use in pediatric practice).

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation. Conducting of basic and additional methods of dental caries diagnosis.

5. Dental caries in primary teeth

Clinical picture of dental caries in primary teeth on the level of a spot, moderate and deep caries depending on the clinical course; differential diagnosis.

The choice of methods of treatment and filling material depending on the caries activity, localization of cavity, age of the patient. Features of treatment of dental caries in primary teeth using of chemical agents, atraumaic restoration, minimal invasion.

Factors contributing to the development and progression/stabilization of dental caries in young children. Features of the course of dental caries in young children. The sequence of involvement of teeth in the pathological process depending on the group and the surface of the tooth crowns. Non-invasive, minimally invasive and surgical treatment of dental caries in young children, depending on the clinical situation and the activity of the carious process. Medical observation of children with early childhood caries.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation. Choosing a method and carrying out treatment.

6. Dental caries in permanent teeth in children

Characteristics of the first period after eruption of permanent teeth. The clinical course of caries in the period of immature enamel. The clinical course of dental caries in first permanent molars during enamel mineralization in children with different levels of caries activity and enamel mineralization. Remineralizing therapy (medications, procedures, course, monitoring of the treatment effectiveness). Invasive sealing as a method of treatment of occlusal initial caries (stages, filling materials). Minimally invasive methods for treatment of caries of permanent teeth. The techniques of preventive and delayed filling. Modern approaches to the choice of filling materials in permanent teeth in children depending on the stage of tooth formation, caries activity. Medical observation of children with caries of permanent teeth.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation. The choice of treatment method, the use of modern methods of non-invasive, minimally invasive and surgical treatment of dental caries and medical prevention.

7. Pulpitis in primary teeth

Features of the primary teeth pulp structure during the root formation, the period of formed root and the period of root resorption. Morphological structure and functional properties of the pulp depending on the stage of development of primary teeth. Stages and terms of the root formation of primary teeth.

Features of etiology and pathogenesis of pulpitis of primary teeth in children. Methods of diagnosis of pulpitis of primary teeth in children. The clinical course of acute, chronic pulpitis and exacerbation of chronic pulpitis in children. The differential diagnosis of various forms of pulpitis.

Clinical work with patients with pulpitis of permanent teeth: clarification of complaints and anamnesis of the disease; planning of examination; conducting a clinical examination; use basic and additional methods of diagnostics of pulpitis.

The indications for the choice of method of treatment of primary teeth pulpitis. Planning of treatment, techiques, analysis of the treatment effectiveness, prevention of periodontitis as a complication of treatment of pulpitis. Medications used in the treatment of pulpitis using conservative methods. Indications and contraindications to conservative methods. Stages of the conservative methods. Indications for surgical methods of treatment Stages of the vital and non-vital pulpotomy. Features of pulpectomy in primary teeth. Medications for pulp devitalization. Criteria for treatment results evaluation. Pastes for root canal filling. Prognosis of outcome of treatment of primary teeth pulpitis. Medical observation of children with pulpitis of primary teeth.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation. Interpretation of the results of radiological examination of primary and permanent teeth at different periods of

development. Choosing a treatment method for pulpitis of primary teeth and carrying out treatment. Providing emergency care to children with acute pulpitis.

8. Pulpitis in immature permanent teeth

Features of the structure of the pulp of permanent teeth during the root formation. Morphological structure and functional properties of the pulp depending on the stage of development of permanent teeth. The concept of "growth zone": structure, functions. Radiological picture of teeth at various stages of root formation. Stages and terms of the formation of roots of permanent teeth.

Features of the etiology and pathogenesis of pulpitis of permanent teeth during the period of root formation. Methods for diagnosing pulpitis of permanent teeth during root formation. Features of the clinical course of acute, chronic pulpitis and chronic pulpitis of permanent teeth during the period of root formation in the acute stage. Differential diagnosis of various forms of pulpitis.

Indications and contraindications to conservative methods of treatment of pulpitis of permanent teeth in children. The method of indirect and direct pulp capping, the biological method. Calcium-containing medications: composition, properties and indications for use. Stages of the conservative methods of treatment of pulpitis of permanent teeth in children. Indications for surgical methods of treatment of pulpitis of permanent teeth in children. Stages of the vital pulpotomy. Stages of the pulpectomy. Criteria for evaluation of short-and long-term results of treatment of pulpitis of permanent teeth in children. Prevention of complications. Medical observation of children with pulpitis of permanent teeth.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation. Interpretation of the results of radiological examination of primary and permanent teeth at different periods of development. Choosing a treatment method for pulpitis of permanent teeth and carrying out treatment. Providing emergency care to children with acute pulpitis.

9. Anatomical, physiological and radiological features of apical periodontium in primary and immature permanent teeth at different periods of their development

Features of the structure of the apical periodontium in children. Radiological characteristics of the apical periodontium of teeth at different periods of their development. Types of physiological and pathological resorption of the roots of primary teeth. The influence of pathogenic factors on the development of the tooth germ at various stages of its formation, outcomes.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation. Interpretation of the results of radiological examination of primary and permanent teeth with apical periodontitis.

10. Apical periodontitis in primary teeth

Features of the etiology and pathogenesis of apical periodontitis in primary teeth. Features of clinical course of acute and chronic apical periodontitis in primary teeth.

Radiographic examination of a child with apical periodontitis, radiological signs of pathological changes in apical periodontium. Diagnosis, differential diagnosis of acute and chronic periodontitis in primary teeth.

The influence of chronic periodontitis on the condition of germ of the permanent tooth.

Emergency care for children with apical periodontitis in primary teeth. Stages of treatment, technique, necessary tools and medications. Indications for extraction of primary teeth. The criteria for the assessment of effectiveness of treatment of periodontitis in primary teeth. Prediction of disease outcome. Prevention of apical periodontitis in primary teeth. Medical observation of children after treatment of apical periodontitis of primary teeth, purpose, terms of observation.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation. Use basic and additional methods of diagnostics of apical periodontitis; choice of the method of treatment of apical periodontitis in primary teeth, treatment procedure.

11. Apical periodontitis in immature permanent teeth

Features of etiology and pathogenesis of apical periodontitis in immature permanent teeth. The clinical course of acute and chronic apical periodontitis in immature permanent teeth. Radiographic diagnosis of pathological changes in apical periodontium. Diagnosis, differential diagnosis. Modern approaches to treatment of apical periodontitis in immature permanent teeth. Features of the endodontic treatment of immature permanent teeth. The outcome of treatment of apical periodontitis in immature permanent teeth in children. Prediction of outcome of treatment of apical periodontitis in immature permanent teeth in children. Emergency care and treatment of acute periodontitis in immature permanent teeth. Medical observation of children after treatment of apical periodontitis in immature permanent teeth, purpose, terms of observation.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation. Use basic and additional methods of diagnostics of apical periodontitis of immature permanent teeth; choice of the method of treatment of apical periodontitis of primary teeth, treatment procedure.

12. Mistakes and complications during the treatment of pulpitis and apical periodontitis in children

Mistakes and complications during performing of conservative and surgical methods of treatment of pulpitis in primary teeth and immature permanent teeth, the causes of their occurrence and methods of elimination.

Diagnostic mistakes in the treatment of apical periodontitis. Mistakes of choosing a method and conducting treatment techniques for periodontitis in primary teeth and immature permanent teeth, the causes of their occurrence and methods of elimination.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation. Use basic and additional methods of diagnostics of apical periodontitis of immature permanent teeth; choice of the method of treatment of apical periodontitis of primary teeth, treatment procedure.

13. Traumatic injuries of the teeth in children

Features of examination of children with traumatic injuries of the teeth.

Crown fracture: clinical picture, diagnosis, methods of treatment of crown fractures depending on the child age, complications, treatment outcome.

Root fracture: clinical picture, diagnosis, differential diagnosis, methods of treatment, complications.

Luxation of the tooth: clinical picture, diagnosis, differential diagnosis, methods of treatment depending on the age, complications.

Stages of rehabilitation of children with dental trauma. Prevention of traumatic injuries of teeth in children. Medical observation of children with traumatic injuries of teeth.

Examination of the patients with dental diseases: clarification of complaints and anamnesis of the disease; a clinical examination; interpretation of the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out the medical documentation. Usage of the basic and additional methods of diagnostics of traumatic in teeth, interpreting examination results. Making a diagnosis, choosing a treatment method and carrying out the stages of treatment. Organization of medical observation of a child with traumatic injuries of teeth.

14. Non-carious lesions of the teeth in children

Classification of non-carious lesions of dental hard tissues. The etiology, clinical picture, differential diagnosis, treatment and prevention of violations of tooth formation during the period of follicular development. Non-endemic mottling, endemic mottling, prenatal, neonatal hypoplasia. Diagnosis, possibilities of treatment and medical prevention in children.

Molar-incisal hypomineralization. Etiology, clinical picture, diagnosis, treatment and possibilities of prevention in children.

Hereditary non-carious lesions of hard dental tissues (amelogenesis imperfecta, dentinogenesis imperfecta, odontogenesis imperfecta, dentin dysplasia, shell teeth), other disorders of dental development (changes in the color of teeth occuring during the teeth formation). Clinical picture, diagnosis, treatment and possibilities of prevention in children. Medical observation of children with non-carious dental lesions.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results.

Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation. Use basic and additional methods of diagnostics of non-carious lesions of teeth; interpretation of examination results. Differential diagnosis, diagnosis. Choice of treatment method. Organization of medical observation of a child with non-carious lesions of teeth.

15. Anatomical, physiological and radiological features of the periodontium in children at different ages

Features of the structure of the gingiva, ligaments, periosteum, bone of the alveolar process and cement covering the root of the tooth at different age periods in children. Clinical characteristics of mature periodontium. Radiological age-related features of the periodontium in children during the period of primary, mixed and permanent dentition.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation. Interpretation of the results of radiological methods of diagnostics for primary and permanent teeth with periodontal diseases.

16. Gingivitis in children

Features of the clinical course of acute and chronic gingivitis in children. Treatment of acute and chronic simple marginal, hyperplastic and desquamative gingivitis in children. Gum recession in childhood, etiology, clinical manifestations, differential diagnosis, treatment.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation. Use basic and additional methods of diagnostics of gingivitis and gingival recession, interpreting examination results. Diagnosis, choice of treatment method and conducting treatment. Organization of medical observation of a child with gingivitis and gingival recession.

17. Rapidly progressive periodontal diseases in children. Symptomatic periodontitis in children with systemic diseases

Etiology, pathogenesis, clinical and radiological signs of pubertal and prepubertal periodontitis. The role of microbial factor in the aggressive periodontitis development in children and adolescents. Treatment and prevention of prepubertal and pubertal periodontitis in children and adolescents. Symptomatic periodontitis (periodontal syndrome) in diabetes mellitus, X-histiocytosis, Papillons-Lefevre syndrome, hypoglobulinemia, hypophosphatasia, hereditary neutropenia in children. Clinical manifestations of symptomatic periodontitis. The role of the dentist in diagnosis and treatment of symptomatic periodontitis.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation. Use clinical and additional methods for diagnosing rapidly progressing periodontitis, interpreting examination

results. Diagnosis, choice of method and treatment. Organization of medical observation of a child with rapidly progressive and symptomatic periodontitis.

18. Anatomical and physiological features of the oral mucosa in children at different ages

Features of the structure of the oral mucosa during the neonatal period, early childhood, primary and secondary childhood periods. Types of oral mucosa according to morphofunctional characteristics. The role of histological and histochemical features of the structure of the oral mucosa in the development of diseases in children.

Examination of patients with diseases the oral mucosa: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results Identification of risk factors for pathology of oral mucosa; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation.

19. Acute and chronic recurrent herpetic stomatitis

Etiology, pathogenesis, clinical manifestations of acute and chronic recurrent herpetic stomatitis in children. Modern methods of diagnosis. Features of the clinical picture and treatment of acute herpetic stomatitis in children "at risk" and in newborns. Prediction and prevention of acute herpetic stomatitis transition to a chronic recurrent form. Anti-epidemic measures at acute herpetic stomatitis in children. Treatment and prevention of chronic recurrent forms of herpes infection in children in the acute and interrecurrent period. Medical observation of children with acute herpetic and chronic recurrent herpetic stomatitis.

Examination of patients with diseases the oral mucosa: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors for pathology of oral mucosa; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation. Prediction and prevention of the transition of acute herpetic stomatitis to a chronic recurrent form, treatment.

20. Oral mucosa lesions in children with infectious diseases

Etiology, clinical manifestations, diagnosis of the oral mucosa lesions in children with viral infections: acute respiratory viral infections (influenza, parainfluenza, adenovirus), enterovirus infection with oral manifestations, oral mucosa lesions caused by the virus varicella-zoster, COVID-19, measles, rubella, infectious mononucleosis, with acquired immunodeficiency syndrome. The role of a dentist in treatment oral mucosa lesions in the children with viral diseases. Prevention of HIV infections in practical work of pediatric dentist.

Etiology, clinical manifestations, diagnosis and treatment of necrotizing ulcerative gingivostomatitis in children. Treatment and prevention of recurrence of necrotizing ulcerative gingivostomatitis. Regular check-ups of children with necrotizing ulcerative gingivostomatitis.

Etiology, clinical manifestations, diagnosis of lesions of the oral mucosa in children with bacterial infections: necrotizing ulcerative gingivostomatitis, diphtheria, scarlet fever, syphilis. Treatment and prevention of recurrence of necrotizing ulcerative gingivostomatitis. Medical observation of children with necrotizing

ulcerative gingivostomatitis. The role of a dentist in treatment of lesions of the oral mucosa in children with bacterial infection.

Etiology, clinical manifestations, diagnosis of the oral mucosa lesions in children with fungal diseases. Physiological characteristics of the structure of the oral mucosa in children and the factors contributing to the development of candidiasis in children and adolescents, the ways of infection transmission. Features of clinical course of oral mucosa candidiasis in children with diabetes mellitus, acute leukemia, HIV-infection. Prevention and treatment of fungal infections in children.

Examination of patients with diseases the oral mucosa: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors for pathology of oral mucosa; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation.

21. Oral manifestations of allergic reactions in children

Features of etiology, pathogenesis, clinical manifestations, diagnosis and treatment of chronic recurrent aphthous stomatitis in children, exudative erythema multiforme, Stevens-Johnson syndrome and Lyell's disease, Behcet's syndrome, drug stomatitis. Prevention of allergic diseases in children.

Features of etiology, pathogenesis, clinical manifestations, diagnosis and treatment of allergic reactions of immediate and delayed types: Quincke's edema, urticaria, anaphylactic shock, chronic recurrent aphthous stomatitis in children, exudative erythema multiforme, Stevens-Johnson's syndrome and Lyell's disease, Behçet's syndrome, medication stomatitis. Prevention of allergic reactions in children. Emergency care for allergic reactions in children.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation.

22. Traumatic injuries of the oral mucosa in children

Features of clinical manifestations, diagnosis and treatment of acute and chronic mechanical trauma, thermal and electrical, chemical and radiation oral mucosa injuries in children. Urgent care in chemical burns and poisoning. Antidotal therapy.

Examination of patients with diseases the oral mucosa: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors for pathology of oral mucosa; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation.

23. Diseases of the lips and tongue in children

Features of etiology, pathogenesis, clinical manifestations, diagnosis and treatment of atopic and eczematous, actinic and weather induced, exfoliative and glandular cheilitis in children.

Features of etiology, pathogenesis, clinical manifestations, diagnosis and treatment of desquamative, folded, diamond-shaped and "hairy" glossitis in children.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation.

24. Oral manifestations of somatic diseases in children

Features of the oral manifestations of diseases of the gastrointestinal tract, excretory system, blood diseases, pathologies of the cardiovascular and endocrine systems. Features of providing dental care to children with somatic diseases.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation.

25. Features of providing dental care to children of different ages

Identification of risk factors for major dental diseases, conduction of preventive and therapeutic measures in children at the age from 0 to 3 years. Early childhood caries: prevention, treatment methods, the choice of filling materials. Features of clinical work with children at the age from 3 to 6 years: diagnosis of developing disease, choice of means and methods of oral care, prevention and treatment of diseases of the dental hard tissues, periodontal tissues and oral mucosa. Features of clinical work with children at the age from 6 to 12 years and adolescents from 12 to 18 years depending on risk factors for oral diseases and health groups.

Examination of patients with dental diseases: clarification of complaints and anamnesis of the disease; conducting a clinical examination; interpretation the results. Identification of risk factors and oral pathology; drawing up a plan of preventive and therapeutic measures. Filling out medical documentation.

ACADEMIC DISCIPLINE CURRICULAR CHART

Section (topic) name 6th semester Age-related features of children's behavior at therapentic dental appointments. Fundamentals of ethics and deontology Psychological, psychotherapeutic and pharmacological provision of the contact between the doctor and child Means and methods to minimize pain during dental treatment of children Anatomical, physiological and radiological features of the primary and immature permanent teeth at different periods of development. The methods of dental caries diagnostic in children Dental caries in primary teeth	number of hours	lectures practical Self-studies	8 65 47	havior at therapentic – 5 4 Solving of situational clinical cases. Filling out a patient's dental outpatient card	pharmacological 1,33 5 4	pain during dental 1,33 5 4 work. Filling out a dental outpatient card of the patient. Performing a practical skill on simulation equipment	. S	1,33 15 12
D ch of t M P P P P P P P P P P P P P P P P P P		n (topic) nam	6 th semester	of children's be Fundamentals of	chotherapeutic sact between the do	ls to	logical and radiol nre permanent tee e methods of dent	mary teeth

	in primary teeth				
	Features of the clinical course and diagnosis of caries in primary		ų		Interview. Electronic tests. Solving
	teeth		C	4	or situational clinical cases. Filling in the patient's dental outpatient card
					Interview. Electronic tests. Solving of situational clinical cases. Filling
	Treatment of caries in primary teeth		2	4	out a dental outpatient card of the patient. Performing a practical skill on simulation equipment
	Early childhood caries		\$	4	Interview. Electronic tests. Solving of situational clinical cases. Reports on home practical exercises with their oral defense. Filling in the
6.	Dental caries in immature permanent teeth in children	1,33	10	æ	dental outpatient card of the patient
# # # # # #	Features of the clinical course, diagnosis and treatment of dental caries in permanent teeth in children	1,33			Interview
	Patterns of the clinical course of dental caries in immature permanent teeth		\$	4	Interview. Electronic tests. Solving of situational clinical cases. Reports on home practical exercises with their oral defense. Filling in the dental outpatient card of the patient
					Interview. Electronic tests. Solving of situational clinical cases. Control work. Filling out the dental
	I reatment of caries in immature permanent teeth		S	4	the p cal ski
7.	Pulpitis in primary teeth	1,33	10	4	
	Features of the clinical course, diagnosis and treatment of	1,33			Interview

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structure of the pulp in immature permanent teeth at different periods of their development. Patterns of clinical course, methods for diagnosis of pulpitis in immature permanent teeth Treatment of pulpitis in immature permanent teeth - 5 4 Anatomical, physiological and radiological features of apical periodontium in primary and permanent teeth at different - 6 4 Periods of their development		features of				Interview. Control work. Electronic
for diagnosis of pulpitis in immature permanent teeth Treatment of pulpitis in immature permanent teeth Treatment of pulpitis in immature permanent teeth Treatment of pulpitis in immature permanent teeth The semester Anatomical, physiological and radiological features of apical periods of their development Periods of their development Patterns of course, methods of their development teeth at different - 6 4		structure of the pulp in immature permanent teeth at different		V	_	tests. Solving of situational clinical
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Treatment of pulpitis in immature permanent teeth The semester Anatomical, physiological and radiological features of apical periodontium in primary and permanent teeth at different periods of their development The semanent teeth at different Freatment of apical and radiological features of apical and radiological features of apical and permanent teeth at different Freatment of the feature of apical and radiological features of apical Freatment of the feature of the feature of apical and feature of the						Interview. Electronic tests. Solving
Treatment of pulpitis in immature permanent teeth 7th semester Anatomical, physiological and radiological features of apical periodontium in primary and permanent teeth at different periods of their development - 5 4 46 46 46 47 47 46 46 46 47 47						of situational clinical cases. Control
Anatomical, physiological and radiological features of apical periodontium in primary and permanent teeth at different – 6 4		Treatment of pulpitis in immature permanent teeth	1	2	4	work. Filling out a dental outpatient
Anatomical, physiological and radiological features of apical periods of their development teeth at different periods of their development test at different periods of their development test at different periods of their development test at different periods of their development periods of their developme						th
Anatomical, physiological and radiological features of apical periodontium in primary and permanent teeth at different periods of their development periods of their development card of the control of t						skills
Anatomical, physiological and radiological features of apical periodontium in primary and permanent teeth at different periods of their development periods of their development and permanent teeth at different periods of their development periods of the periods of their development periods of the periods of their development periods of the periods of the periods of the periods of their development periods of the periods of the periods of the perio						equipnient. Credit
Anatomical, physiological and radiological features of apical Anatomical, physiological and radiological features of apical periodontium in primary and permanent teeth at different – 6 4 situational clinical cases. Filling the dental outpatient card of t		7 th semester	∞	99	46	
Anatomical, physiological and radiological features of apical periodontium in primary and permanent teeth at different – 6 4 situational clinical cases. Filling periods of their development card of t						st control. Intervie
periodontium in primary and permanent teeth at different – 6 4 situational periods of their development the dental	,	Anatomical, physiological and radiological features of apical				Electronic tests. Solving of
	6	periodontium in primary and permanent teeth at different	I	9	4	situational clinical cases. Filling in
		periods of their development				the dental outpatient card of the

	07				
10.	Apical periodontitis in primary teeth	1,33	12	∞	
	Features of diagnosis, clinical course and treatment of apical	1,33	ı	ı	Interview
	Methods of diagnosis of apical periodontitis in primary teeth. Patterns of clinical course		9	4	Interview. Electronic tests. Solving of situational clinical cases. Filling in the patient's dental outpatient card
	Treatment of apical periodontitis in primary teeth		9	4	Interview. Electromic tests. Solving of situational clinical cases. Reports on home practical exercises with their oral defense. Filling out a dental outpatient card of the patient. Performing a practical skill on simulation equipment
ï.	Apical periodontitis iu immature permanent teeth	1,33	12	6	
	Features of diagnosis, clinical course and treatment of apical periodontitis of immature permanent teeth. Prognosis. Outcomes	1,33	I		Interview
	Methods of diagnosis of apical periodontitis in immature permanent teeth. Patterns of clinical course		9	4	Interview. Electronic tests. Solving of situational clinical cases. Filling in the patient's dental outpatient card
	Treatment of apical periodontitis in immature permanent teeth	I	9	S	Interview. Control work. Electronic tests. Solving of situational clinical cases. Filling out a dental outpatient card of the patient. Performing a practical skill on simulation equipment
12.	Mistakes and complications in the treatment of pulpitis aud apical periodontitis in children	1	9	4	Interview. Electronic tests, Solving of situational clinical cases. Filling in the patient's dental outpatient card
13.	Traumatic injuries of the teeth in children	2,66	12	∞	
	Traumatic injuries of primary teeth in children	1,33	ı		Interview
	Features of diagnosis, clinical course and treatment of traumatic	-	9	4	Interview. Control work. Electronic

	injuries of primary teeth. Prognosis, outcomes, medical follow-				tests. Solving of situational clinical
	dn				cases. Filling in the dental outpatient
				***************************************	card of the patient
	Traumatic injuries of permanent teeth in children	1,33	ı	I	Interview
					Interview. Electronic tests. Solving of situational clinical cases. Reports
	Features of diagnosis, clinical course and treatment of traumatic				on home practical exercises with
	injuries of permanent teeth in children. Prognosis, outcomes, medical follow-up	1	9	4	ng out he patie
					Feriorning a practical SKIII on Simulation equipment
14.	Non-carious lesions of teeth in children	2,66	12	13	
	Non-carious lesions of dental hard tissues occuring during the	4			Interview
	period of follicular development. Etiology, pathogenesis, clinical manifestations, diagnosis, possibilities of treatment	1,33	1	1	
	Non-carious lesions of dental hard tissues occurring during the				Interview. Electronic tests. Solving
	period of follicular development: non-endemic mottling, endemic	ı	9	4	of situational clinical cases. Filling
	mottling, hypoplasia. Diagnosis, possibilities of treatment and prevention in children)	•	in the patient's dental outpatient card
					Interview. Electronic tests. Solving
	Molar incisal hynominaralization Diamosis nossibilitias of				of situational clinical cases. Reports
		ı	9	2	on home practical exercises with
					their oral defense. Filling in the
					dental outpatient card of the patient
`					Interview. Control work. Solving of
	Hereditary non-carious lesions of dental hard tissues. Diagnosis,	1 22	4	_	situational clinical cases. Electronic
	possibilities of treatment and prevention in children	1,33	0	†	tests. Filling in the dental outpatient
					card of the patient. Exam
	8 th semester	4	30	89	
15.	Anatomical, physiological and radiological features of the	ı	v	∞	st control. Intervie
	periodontium in children at different ages				Ejectronic tests, Solving of

a	
S	

					situational clinical cases. Filling in
					the dental outpatient card of the
16.	Gingivitis in children	1.33	8	20	parioni
	Gingivitis in children. Features of clinical course and treatment	1,33	ı	10	Interview
	Gingivitis in children. Gingival recession		5	10	Interview. Electronic tests. Solving of situational clinical cases. Filling in the patient's dental outpatient card
17.	Rapidly progressive periodoutal diseases in children. Symptomatic periodontitis in children with systemic diseases	1,33	v	K	Interview. Electronic tests. Solving of situational clinical cases. Filling in the patient's dental outpatient card
18.	Anatomical and physiological features of the oral mucosa in children at different ages		3	8	Interview. Electronic tests. Solving of situational clinical cases. Filling in the patient's dental outpatient card
19.	Acute and chronic recurrent herpetic stomatitis	1,33	10	30	
	Acute herpetic and chronic recurrent herpetic stomatitis. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment, prevention	1,33	l	10	Interview. Electronic tests. Solving of situational clinical cases. Filling in the patient's dental outparient card
	Acute herpetic stomatitis. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment, prevention	I	\$	10	Interview. Electronic tests. Solving of situational clinical cases. Reports on home practical exercises with their oral defense. Filling in the dental outpatient card of the patient
	Recurrent herpetic stomatitis. Pathogenesis, clinical manifestations, diagnosis, treatment, prevention		2	10	Interview. Control work. Electronic tests. Solving of situational clinical cases. Filling in the dental outpatient card of the patient. Credit
	9 th semester				_
20.	Oral mncosa lesions in children with infections diseases	1,33	28	30	
	Oral mucosa lesions in children with infections diseases. The	1,33			Interview

	role of a pediatric dentist in diagnosis, organization of treatment and prevention				
	Oral inucosa lesions in children with viral diseases (ARVI, enterovirus infection, chicken pox, herpes zoster). The role of a pediatric dentist in diagnosis, treatment, prevention	I	٢	10	Input test control. Interview. Electronic tests. Solving of situational clinical cases. Reports on home practical exercises with their oral defense. Filling in the dental outpatient card of the patient
	Oral mucosa lesions in children with viral diseases (coronavirus infection, measles, rubella, infectious mononucleosis, AIDS). The role of a pediatric dentist in diagnosis, treatment, prevention	l	7	∞	Interview. Electronic tests. Solving of situational clinical cases. Filling in the patient's dental outpatient card
	Oral manifestations of bacterial diseases. The role of a pediatric dentist in diagnosis, treatment, prevention		7	9	Interview. Electronic tests. Solving of situational clinical cases. Filling in the patient's dental outpatient card
	Fungal infections of the oral mucosa in children. Clinical manifestations, diagnosis, treatment	ı	7	9	Interview. Electronic tests. Solving of situational clinical cases. Reports on home practical exercises with their oral defense. Filling in the dental outpatient card of the patient
21.	Oral manifestations of allergic reactions in children	1,33	7	22	Interview
	Oral manifestations of allergic reactions in children. The role of a pediatric dentist in diagnosis, organization of treatment and prevention	1,33	l		Interview
	Oral manifestations of immediate allergic reactions in the oral cavity. Clinical manifestations, diagnosis. The role of a pediatric dentist in complex treatment. Providing medical care for allergic reactions that pose a threat to the life and health of the child	l	<u> </u>	10	Interview. Electronic tests. Solving of situational clinical cases. Filling in the patient's dental outpatient card
	Oral manifestations of delayed type allergic reactions in the oral cavity. Clinical manifestations, diagnosis. The role of a pediatric dentist in complex treatment	l	7	12	Interview. Final test control. Solving of situational clinical cases. Filling in the dental outpatient card of the patient. Credit

25.	Features of providing dental care to children of different ages	1,33	I		Interview	······································
	10 th Semester					
22.	Traumatic injuries of the oral mucosa in children	I	7	10	Input test control of knowledge. Interview. Electronic tests. Solving of situational clinical cases. Filling in the dental outpatient card of the patient	•••••
	Diseases of the lips and tongue in children		14	3		T
	Diseases of lips in children. Clinical manifestations, diagnosis. Role of the dentist in complex treatment	l	7	1	Interview. Electronic tests. Solving of situational clinical cases. Filling in the patient's dental outpatient card	r
	Diseases of the tongue in children. Clinical manifestations, diagnosis. Role of the dentist in complex treatment	l	7	2	Interview. Electronic tests. Solving of situational clinical cases. Filling in the patient's dental outpatient card	
24.	Oral manifestations of somatic diseases in children	ı	14	9		
	Oral manifestation of somatic diseases of children (hemopathy, cardio-vascular, endocrine pathology). Role of the dentist in complex treatment	l	7	3	Interview. Electronic tests. Solving of situational climical cases. Reports on home practical exercises with their oral defense. Filling in the dental outpatient card of the patient	·
	Oral manifestation of somatic diseases of children (chronic diseases of the excretory system and gastrointestinal tract). Role of the dentist in complex treatment		_	3	Interview. Electronic tests. Solving of situational clinical cases. Filling in the patient's dental outpatient card	· · · · · · · · · · · · · · · · · · ·
	Features of providing dental care to children of different ages		35	19		Y
		I	7	4	Interview. Electronic tests. Solving of situational clinical cases. Reports on home practical exercises with their oral defense. Filling in the dental outpatient card of the patient	· · · · · · · · · · · · · · · · · · ·
	Features of dental treatment for children from 0 to 3 years old	ı	7	4	Interview. Electronic tests. Solving	,

	with the oral mucosa diseases				of situational clinical cases. Filling
					in the patient's dental outpatient card
	Features of dental treatment for children from 3 to 6 years old				Interview. Electronic tests. Solving
	with pathology of hard dental tissues, with the oral mucosa	ı		4	of situational clinical cases. Filling
	diseases, and with periodontal diseases				in the patient's dental outpatient card
					Interview. Electronic tests. Solving
	Features of dental treatment for children from 6 to 12 years old				of situational clinical cases. Reports
	with pathology of hard denial tissues, with the oral inucosa	ı	7	4	on home practical exercises with
	diseases, and with periodontal diseases				their oral defense. Filling in the
					dental outpatient card of the patient
					Interview. Solving of situational
	Hastings of dantal treatment for children from 12 to 18 was ald				clinical cases. Filling in the patient's
	with notheless of herd dental tiennes with the end museus		7	c	dental outpatient card. Final test
	With paritology of main uchital disasses, with the oral mucosa	l	_	n	control of knowledge. Final
	discases, and with perfording diseases				performance of practical skills on
					simulation equipment. Credit
***************************************		24	273	251	

INFORMATION AND INSTRUCTIONAL UNIT

LITERATURE

Basic (relevant):

1. Шаковец, Н. В. Первичная профилактика кариеса зубов = Primary prevention of dental caries : учебное пособие / Н. В. Шаковец [и др.]. – Минск : БГМУ, 2023. – 172 с.

Additional:

- 2. Dean, J., Avery, D., McDonald, R. McDonald and Avery's dentistry for the child and adolescent. Elsevier, 2022. 734 p.
- 3. Pediatric therapeutic dentistry/ ed. L. A. Khomenko; Kiev: Book-plus, 2015. 175 p.
- 4. Шаковец, Н. В. Некариозные поражения зубов = Noncarious tooth lesions : учеб.- метод. пособие. Минск : БГМУ, 2017 27 с.
- 5. Шаковец, Н. В. Некариозные поражения зубов = Noncarious tooth lesions : учеб.- метод. пособие. Минск : БГМУ, 2018. 27 с.
- 6. Шаковец, Н. В. Кариес временных и незрелых постоянных зубов = Caries of primary and immature permanent teeth : учеб.-метод. пособие. Минск : $Б\Gamma MY$, 2017. 27 с.
- 7. Шаковец, Н. В. Кариес временных и незрелых постоянных зубов = Caries of primary and immature permanent teeth : учеб.-метод. пособие. Минск : $Б\Gamma MY$, 2018-27 с.
- 8. Шаковец, Н. В. Травматические повреждения зубов у детей и подростков = Traumatic dental injuries in children and adolescence : учеб.-метод. пособие. Минск : БГМУ, 2018. 40 с.
- 9. Шаковец, Н. В. Лечение пульпита временных и постоянных несформированных зубов = Treatment of pulpitis in primary and immature permanent teeth: учеб.-метод. пособие. Минск: БГМУ, 2019. 32 с.
- 10. Кленовская, М. И. Управление поведением и контроль боли у детей = Behavior management and pain control in children : учеб.-метод. пособие. Минск : БГМУ, 2019. 39 с.
- 11. Шаковец, Н. В. Заболевания периодонта у детей = Periodontal pathology in children: учеб.-метод. пособие. Минск: БГМУ, 2019. 43 с.
- 12. Шаковец, Н. В. Патология слизистой полости рта у детей = Pathology of oral mucosa in children : учеб.-метод. пособие / Н. В. Шаковец, М. А. Кленовская. Минск : БГМУ, 2020. 56 с.
- 13. Шаковец, Н. В. Герпетический стоматит у детей = Herpetic stomatitis in children : учеб.-метод. Минск : БГМУ, 2021. 28 с.

METHODOLOGICAL RECOMMENDATIONS FOR THE ORGANIZATION AND PERFORMANCE OF STUDENT INDEPENDENT WORK IN THE ACADEMIC DISCIPLINE

The time allocated for independent work can be used by students to: writing and presentation of an abstract; giving a report;

studying topics and problems that are not covered in lectures; taking notes from primary sources (sections of anthologies, collections of documents, monographs, textbooks);

computer testing; preparation and participation in active forms of learning.

LIST OF DIAGNOSTIC TOOLS USED

The following forms are used to diagnose competencies:

Oral form:

interview; credit;

exam.

Written form:

filling out a patient's dental outpatient card; control work.

Oral and written form:

solving of situational clinical cases; reports on home practical exercises with their oral defense.

Technical form:

electronic tests.

Simulation form:

performing practical skills on simulation equipment.

LIST OF AVAILABLE TEACHING METHODS

Linear (conventional) method (lecture, practical classes); active (interactive) methods:

Problem-Based Learning PBL;

Team-Based Learning TBL;

Case-Based Learning CBL;

Research-Based Learning RBL;

Simulation-based training.

LIST OF PRACTICAL SKILLS

The list of practical skillsin the academic discipline	Practical skills control form
6-7 semester (3 course)	
1. Preparation of medical documentation of	Filling in the patient's dental
the established form at a therapeutic pediatric	outpatient card
appointment	
2. Organization of the workplace of a	Performing a practical skill at the
pediatric dentist, taking into account the	dental chair
requirements of ergonomics, aseptic and	
antiseptic rules	
3. Drawing up a plan for examining a patient	Performing a practical skill at the
at a pediatric therapeutic appointment	dental chair.

	Solving of situational clinical cases
4. Conducting an oral hygiene assessment	Performing a practical skill at the
using the PLI and/or OHI-S indices	dental chair.
	Performing a practical skill on
	simulation equipment
5. Assessing the condition of the	Performing a practical skill at the
periodontium using the GI and (or) PMA	dental chair.
indices	
mulces	Performing a practical skill on
	simulation equipment
6. Differential diagnosis and choice of	Performing a practical skill at the
treatment for dental caries, pulpitis and apical	dental chair.
periodontitis in children in accordance with	
the classification provided by the clinical	Solving of situational clinical cases
protocol	
7. Analysis and interpretation of the results of	Performing a practical skill at the
radiological research methods	dental chair.
	Solving of situational clinical cases
8. Drawing up a treatment plan for dental	Performing a practical skill at the
caries in children and determining indications	dental chair.
for anesthesia	Solving of situational clinical cases
9. Performing the stages of therapeutic treatme	nt:
9.1. Preparation of a carious cavity (ART	Performing a practical skill at the
technique, chemo-mechanical preparation,	dental chair.
preparation using burs)	Performing a practical skill on
	simulation equipment
9.2. Selection of filling material and filling of	Performing a practical skill at the
a carious cavity in a primary and (or)	dental chair.
immature permanent tooth	Performing a practical skill on
1	simulation equipment.
	Solving of situational clinical cases
9.3. Assessment of the quality of filling a	Performing a practical skill at the
carious cavity in a primary and (or) immature	dental chair.
permanent tooth	Performing a practical skill on
	simulation equipment
10. Carrying out remineralizing dental therapy	Performing a practical skill at the
10. Carry mg out reminieranzing dental therapy	dental chair.
	Performing a practical skill on
Q O composton (4 course)	simulation equipment
8-9 semester (4 course)	Doutomaina a mastical stall at the
1. Drawing up an examination plan for a child	Performing a practical skill at the
patient with pulp disease	dental chair.
	Filling in the patient's dental
	outpatient card.
	Solving of situational clinical cases

2. Diagnosis of a child patient with pulp	Performing a practical skill at the
disease in accordance with the classification	dental chair.
provided for by the clinical protocol in a	Solving of situational clinical cases
primary and (or) immature permanent tooth	
3. Drawing up a treatment plan for a child	Performing a practical skill at the
patient with pulp involvement	dental chair.
	Filling in the patient's dental
	outpatient card.
	Solving of situational clinical cases
4. Performing stages of endodontic treatment:	D 6
4.1. The non-vital pulpotomy:	Performing a practical skill at the
placement of a devitalizing paste on the pulp	dental chair.
exposure;	Performing a practical skill on
opening the pulp chamber and de-roofing,	simulation equipment
non-vital pulpotomy;	
applying a paste with an antiseptic and (or)	
mummifying effect; restoration of the tooth crown using dental	
filling materials	
4.2. Vital pulpotomy:	Performing a practical skill at the
carrying out application, infiltration anesthesia	dental chair.
in children in primary and (or) immature	Performing a practical skill on
permanent teeth;	simulation equipment
opening the pulp chamber and de-roofing,	Simulation equipment
hemostasis, application of MTA or calcium-	
containing paste for direct pulp capping with	
isolating linings of zinc oxide eugenol cement;	
restoration of the tooth crown using dental	
filling materials	
5. Diagnosis of traumatic dental injuries of a	Performing a practical skill at the
primary and (or) immature permanent tooth in	dental chair.
children, in accordance with the classification	Solving of situational clinical cases
provided for in the clinical protocol	
6. The procedure for immobilizing teeth in	Solving of situational clinical cases.
case of traumatic injuries	Performing a practical skill on
	simulation equipment
7. Differential diagnosis of non-carious dental	Performing a practical skill at the
lesions that occur during follicular	dental chair.
development (hypoplasia, endemic mottling,	Solving of situational clinical cases
non-endemic mottling), in accordance with the	
classification provided for in the clinical	
protocol	
10 semester (5 course)	
1. Diagnosis of a child patient with apical	Performing a practical skill at the

periodontal disease in accordance with the classification provided for in the clinical protocol	dental chair. Solving of situational clinical cases
2. Performing the stages of endodontic treatment:	Performing a practical skill at the dental chair.
analysis and interpretation of the results of radiological research methods; preparation of a carious cavity, opening the pulp chamber and de-roofing, creation of access, detection and expansion of root canals; removal of necrotic tissue; determining the length of the root canal of an immature permanent tooth; instrumental treatment of the root canal of a tooth with incomplete root formation (choice of preparation technique and instruments, choice of antiseptic) in a primary and (or) young permanent tooth; filling root canals with pastes for temporary obturation; filling root canals with gutta-percha pins after apexification;	Performing a practical skill on simulation equipment. Solving of situational clinical cases
assessment of the quality of root canal filling 3. Diagnosis and treatment of a child patient with acute or chronic gingivitis in accordance with the classification provided for in the clinical protocol	Performing a practical skill at the dental chair. Solving of situational clinical cases
4.Diagnosis and treatment of a child patient with chronic periodontitis with juvenile periodontitis in accordance with the classification provided by the clinical protocol	Performing a practical skill at the dental chair. Solving of situational clinical cases
5. Diagnosis and treatment of a child patient with stomatitis and related lesions in accordance with the classification provided for in the clinical protocol	Performing a practical skill at the dental chair. Solving of situational clinical cases
6 Diagnosis and treatment of a child patient with lip and tongue diseases in accordance with the classification provided for in the clinical protocol	Performing a practical skill at the dental chair. Solving of situational clinical cases

LIST OF EQUIPMENT USED

- Multimedia projector.
 Personal computer.
- 3. Dental unit.

LIST OF LECTURES

6th semester

- 1. Psychological, psychotherapeutic and pharmacological provision of the contact between the doctor and child.
 - 2. Means and methods to minimize pain during dental treatment of children.
- 3. Features of the clinical course, diagnosis and treatment of caries of primary teeth.
- 4. Features of the clinical course, diagnosis and treatment of caries of permanent teeth in children.
- 5. Features of the clinical course, diagnosis and treatment of pulpitis of primary teeth. Prognosis. Outcomes.
- 6. Features of the clinical course, diagnosis and treatment of pulpitis of permanent teeth with incomplete root formation. Prognosis. Outcomes.

7th semester

- 1. Features of diagnosis, clinical course and treatment of apical periodontitis of primary teeth. Prognosis. Outcomes.
- 2. Features of diagnosis, clinical course and treatment of apical periodontitis of permanent teeth with incomplete root formation. Prognosis. Outcomes.
 - 3. Traumatic injuries of primary teeth in children.
 - 4. Traumatic injuries of permanent teeth in children.
- 5. Non-carious lesions of dental hard tissues that have occured during the period of follicular development. Etiology, pathogenesis, clinical manifestations, diagnosis, possibilities of treatment.
- 6. Hereditary non-carious lesions of dental hard tissues. Diagnosis, possibilities of treatment and prevention in children.

8th semester

- 1. Gingivitis in children. Features of clinical course and treatment.
- 2. Rapidly progressive periodontal diseases in children. Symptomatic periodontitis in children with systemic diseases.
- 3. Acute herpetic and chronic recurrent herpetic stomatitis. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment, prevention.

9th semester

- 1. Oral mucosa lesions in children with infectious diseases. The role of a pediatric dentist in diagnosis, organization of treatment and prevention.
- 2. Oral manifestations of allergic reactions in children. The role of a pediatric dentist in diagnosis, organization of treatment and prevention.
 - 3. Features of providing dental care to children of different ages.

LIST OF PRACTICAL STUDIES

6th semester

1. Age-related features of children's behavior at therapeutic dental appointments. Fundamentals of ethics and deontology.

- 2. Psychological, psychotherapeutic and pharmacological provision of the contact between the doctor and child.
 - 3. Means and methods to minimize pain during dental treatment of children.
- 4. Anatomical, physiological and radiological features of the primary and permanent teeth at different periods of development. The methods of dental caries diagnostic in children.
 - 5. Features of the clinical course and diagnosis of caries of primary teeth.
 - 6. Treatment of caries of primary teeth.
 - 7. Early childhood caries.
 - 8. Patterns of the clinical course of dental caries in immature permanent teeth.
 - 9. Treatment of dental caries in immature permanent teeth.
- 10. Anatomical, physiological and radiological features of the structure of the pulp in primary teeth. Diagnosis and features of the clinical course of pulpitis in primary teeth.
 - 11. Treatment of pulpitis in primary teeth.
- 12. Anatomical, physiological and radiological features of the structure of the pulp of permanent teeth at different periods of their development. Patterns of clinical course, methods for diagnosis of pulpitis in immature permanent teeth.
 - 13. Treatment of pulpitis in immature permanent teeth.

7th semester

- 1. Anatomical, physiological and radiological features of apical periodontium in primary and permanent teeth at different periods of development.
- 2. Methods of diagnosis of apical periodontitis in primary teeth. Patterns of clinical course.
 - 3. Treatment of apical periodontitis in primary teeth.
- 4. Methods of diagnosis of apical periodontitis in immature permanent teeth. Patterns of clinical course.
 - 5. Treatment of apical periodontitis in immature permanent teeth.
- 6. Mistakes and complications in the treatment of pulpitis and apical periodontitis in children.
- 7. Features of diagnosis, clinical course and treatment of traumatic injuries to primary teeth. Prognosis, outcomes, medical follow-up.
- 8. Features of diagnosis, clinical course and treatment of traumatic injuries to permanent teeth in children. Prognosis, outcomes, medical follow-up.
- 9. Non-carious lesions of dental hard tissues occurring during the period of follicular development: non-endemic mottling, endemic mottling, hypoplasia. Diagnosis, possibilities of treatment and prevention in children.
- 10. Molar-incisal hypomineralization. Diagnosis, possibilities of treatment and prevention in children.
- 11. Hereditary non-carious lesions of dental hard tissues. Diagnosis, possibilities of treatment and prevention in children.

8th semester

- 1. Anatomical, physiological and radiological features of the periodontium in children at different ages.
 - 2. Gingivitis in children. Gingival recession.

- 3. Rapidly progressive periodontal diseases in children. Symptomatic periodontitis in children with systemic diseases.
- 4. Anatomical and physiological features of the oral mucosa in children at different ages.
- 5. Acute herpetic stomatitis. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment, prevention.
- 6. Recurrent herpetic stomatitis. Pathogenesis, clinical manifestations, diagnosis, treatment, prevention.

9th semester

- 1. Oral mucosa lesions in children with viral diseases (ARVI, enterovirus infection, chicken pox, herpes zoster). The role of a pediatric dentist in diagnosis, treatment, prevention.
- 2. Oral mucosa lesions in children with viral diseases (coronavirus infection, measles, rubella, infectious mononucleosis, AIDS). The role of a pediatric dentist in diagnosis, treatment, prevention.
- 3. Oral manifestations of bacterial diseases. The role of a pediatric dentist in diagnosis, treatment, prevention.
- 4. Fungal infections of the oral mucosa in children. Clinical manifestations, diagnosis, treatment.
- 5. Oral manifestations of immediate allergic reactions in the oral cavity. Clinical manifestations, diagnosis. The role of a pediatric dentist in complex treatment. Providing medical care for allergic reactions that pose a threat to the life and health of the child.
- 6. Oral manifestations of delayed type allergic reactions in the oral cavity. Clinical manifestations, diagnosis. The role of a pediatric dentist in complex treatment.

10th semester

- 1. Traumatic injuries of the oral mucosa in children.
- 2. Diseases of lips in children. Clinical manifestations, diagnosis. Role of the pediatric dentist in complex treatment.
- 3. Diseases of the tongue in children. Clinical manifestations, diagnosis. Role of the pediatric dentist in complex treatment.
- 4. Oral manifestation of somatic diseases of children (hemopathy, cardiovascular, endocrine pathology). Role of the pediatric dentist in complex treatment.
- 5. Oral manifestation of somatic diseases of children (chronic diseases of the excretory system and gastrointestinal tract). Role of the pediatric dentist in complex treatment.
- 6. Features of dental treatment for children from 0 to 3 years old with pathology of hard dental tissues.
- 7. Features of dental treatment for children from 0 to 3 years old with the oral mucosa diseases.
- 8. Features of dental treatment for children from 3 to 6 years old with pathology of hard dental tissues, with the oral mucosa diseases, and with periodontal diseases.

- 9. Features of dental treatment for children from 6 to 12 years old with pathology of hard dental tissues, with the oral mucosa diseases, and with periodontal diseases.
- 10. Features of dental treatment for children from 12 to 18 years old with pathology of hard dental tissues, with the oral mucosa diseases, and with periodontal diseases.

PROTOCOL OF THE CURRICULUM APPROVAL BY OTHER DEPARTMENTS

Title of the discipline requiring approval	Department	Amendments to the curriculum in the academic discipline	Decision of the Department, which designed the curriculum (date, protocol #)
Oral and Maxillofacial Surgery	Maxillofacial surgery and facial plastic surgery	No amendments	Protocol # 3 of 15.09.2023

COMPILERS/AUTHORS:

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D.N.Naumovich

Curriculum content, composition and the accompanying documents comply with the established requirements.

Dean of the Medical Faculty for International Students of the educational institution «Belarusian State Medical University»

13.11.2023

O.S.Ishutin

Methodologist of the educational institution «Belarusian State Medical University»

Baray _

S.V.Zaturanova

13.11. 2023