

**The thematic lesson plan of the seminar type
in the discipline «Pediatrics»
for students enrolled in 2020 according
to the educational program 30.05.03 «Dentistry»,
orientation (profile) «Dentistry» is a full-time form of study
the 2024-2025 academic year**

№	Thematic blocks	Hours (academic)
1.	Introduction to the structure, organization and principles of the children's hospital ¹ . Features of anamnesis collection in pediatrics. Features of caring for a child of the first year of life. Concepts of ethics and deontology in pediatrics. The main requirements for the diagnosis of diseases in children. The basic requirements for bathing, skin and mucous care in young children. Curation of patients for writing a medical history ² (part 1).	2
	Introduction to the structure, organization and principles of the children's hospital ¹ . Features of anamnesis collection in pediatrics. Features of caring for a child of the first year of life. Concepts of ethics and deontology in pediatrics. The main requirements for the diagnosis of diseases in children. The basic requirements for bathing, skin and mucous care in young children. Curation of patients for writing a medical history ² (part 2).	2
2.	Patterns of weight gain and growth ¹ . Anthropometry and its features in children of different ages. Methods of evaluating anthropometric data, the concept of parametric and nonparametric assessment methods. Assessment of physical development using percentile tables ² (Part 1).	2
	Patterns of weight gain and growth ¹ . Anthropometry and its features in children of different ages. Methods of evaluating anthropometric data, the concept of parametric and nonparametric assessment methods. Assessment of physical development using percentile tables ² (Part 2).	2
3.	Feeding of children: natural, mixed, artificial ¹ . Types and timing of introduction of complementary foods. The daily requirement for basic nutritional ingredients and calories. Features of feeding children with dental diseases. Artificial feeding and defects in its implementation as a cause of pathology of the dental system ² (part 1).	2
	Feeding of children: natural, mixed, artificial ¹ . Types and timing of introduction of complementary foods. The daily requirement for basic nutritional ingredients and calories. Features of feeding children with dental diseases. Artificial feeding and defects in its implementation as a cause of pathology of the dental system ² (part 2).	2
4.	Anatomical and physiological features of the musculoskeletal system in childhood ¹ . Rickets. Etiology, pathogenesis, clinic, diagnosis, treatment. Prevention is antenatal, postnatal, nonspecific and specific. Anatomical and physiological features of the hematopoiesis system in childhood. Deficiency anemia. Etiology, clinic, laboratory diagnostics. Principles of treatment and prevention of anemia in children ² (part 1).	2
	Anatomical and physiological features of the musculoskeletal system in childhood ¹ . Rickets. Etiology, pathogenesis, clinic, diagnosis, treatment. Prevention is antenatal, postnatal, nonspecific and specific. Anatomical and physiological features of the hematopoiesis system in childhood.	2

	Deficiency anemia. Etiology, clinic, laboratory diagnostics. Principles of treatment and prevention of anemia in children ² (part 2).	
5.	Anatomical and physiological features of the respiratory system in childhood ¹ . Respiratory diseases in children. Acute diseases of the upper and lower respiratory tract. Violation of nasal breathing, connection with the formation of pathology of the dental system. Clinical, laboratory and radiological criteria for acute bronchitis and acute pneumonia. Obstructive syndrome. Respiratory failure in children ² (part 1).	2
	Anatomical and physiological features of the respiratory system in childhood ¹ . Respiratory diseases in children. Acute diseases of the upper and lower respiratory tract. Violation of nasal breathing, connection with the formation of pathology of the dental system. Clinical, laboratory and radiological criteria for acute bronchitis and acute pneumonia. Obstructive syndrome. Respiratory failure in children ² (part 2).	2
6.	Anatomical and physiological features of the cardiovascular system in childhood ¹ . Pathology of the cardiovascular system in children. Rheumatism and non-rheumatic heart disease. Treatment and prevention. Congenital heart defects (DMJP, DMPP, OAP, CA, TF) ² (part 1).	2
	Anatomical and physiological features of the cardiovascular system in childhood ¹ . Pathology of the cardiovascular system in children. Rheumatism and non-rheumatic heart disease. Treatment and prevention. Congenital heart defects (DMJP, DMPP, OAP, CA, TF) ² (part 1).	2
7.	Anatomical and physiological features of the gastrointestinal tract in childhood ¹ . Anatomical and physiological features of the oral cavity in young children. The timing and procedure of teething. Chronic diseases of the digestive system and hepatobiliary system in children. Acute and chronic gastritis, duodenitis, peptic ulcer of the stomach and duodenum in children. Biliary dyskinesia. Acute and chronic cholecystitis, pancreatitis. Etiology, pathogenesis, clinic, diagnosis, treatment and prevention. Changes in the oral mucosa in diseases of the stomach and duodenum, pathology of the hepatobiliary system ² (part 1).	2
	Anatomical and physiological features of the gastrointestinal tract in childhood ¹ . Anatomical and physiological features of the oral cavity in young children. The timing and procedure of teething. Chronic diseases of the digestive system and hepatobiliary system in children. Acute and chronic gastritis, duodenitis, peptic ulcer of the stomach and duodenum in children. Biliary dyskinesia. Acute and chronic cholecystitis, pancreatitis. Etiology, pathogenesis, clinic, diagnosis, treatment and prevention. Changes in the oral mucosa in diseases of the stomach and duodenum, pathology of the hepatobiliary system ² (part 2).	2
8.	Anatomical and physiological features of the urinary system in childhood ¹ . Kidney diseases in children. Acute and chronic glomerulonephritis. Features of the course of acute and chronic pyelonephritis in young and older children. Clinic, diagnosis, principles of treatment, prevention. Acute and chronic renal failure in children ² (part 1).	2
	Anatomical and physiological features of the urinary system in childhood ¹ . Kidney diseases in children. Acute and chronic glomerulonephritis. Features of the course of acute and chronic pyelonephritis in young and	2

	older children. Clinic, diagnosis, principles of treatment, prevention. Acute and chronic renal failure in children ² (part 2).	
9.	Anatomical and physiological features of the coagulation system in childhood ¹ . Hemorrhagic diseases in children. The main clinical manifestations of hemophilia, hemorrhagic vasculitis, thrombocytopenic purpura, acute leukemia. Clinical manifestations on the oral mucosa in these diseases. Emergency bleeding therapy in the practice of a dentist. Dentist's tactics in the treatment of dental diseases in children with hemorrhagic diathesis ² (part 1).	2
	Anatomical and physiological features of the coagulation system in childhood ¹ . Hemorrhagic diseases in children. The main clinical manifestations of hemophilia, hemorrhagic vasculitis, thrombocytopenic purpura, acute leukemia. Clinical manifestations on the oral mucosa in these diseases. Emergency bleeding therapy in the practice of a dentist. Dentist's tactics in the treatment of dental diseases in children with hemorrhagic diathesis ² (part 2).	2
10.	Anatomical and physiological features and pathology of the endocrine system in children ¹ . Clinical manifestations of congenital hypothyroidism, diffuse toxic goiter, diabetes mellitus. Specific changes in the mucous membrane in the oral cavity in diabetes mellitus ² (part 1).	2
	Anatomical and physiological features and pathology of the endocrine system in children ¹ . Clinical manifestations of congenital hypothyroidism, diffuse toxic goiter, diabetes mellitus. Specific changes in the mucous membrane in the oral cavity in diabetes mellitus ² (part 2).	2
11.	Emergency conditions in children ¹ . Hyperthermic syndrome, convulsive syndrome, anaphylactic shock, acute respiratory and cardiovascular insufficiency, acute and chronic renal failure, coma ² (part 1).	2
	Emergency conditions in children ¹ . Hyperthermic syndrome, convulsive syndrome, anaphylactic shock, acute respiratory and cardiovascular insufficiency, acute and chronic renal failure, coma ² (part 2).	2
12.	Control of theoretical knowledge	1
	Control of practical skills	1
	Intermediate certification (credit)	2
	Total	48

1- theme

2- essential content (if necessary)

Reviewed at the meeting of the Department of Children's Diseases on May 28, 2024, Protocol No. 10

Head of the Department
of Children's Diseases, MD, Professor



M.Ya. Ledyayev