

THEMATIC PLAN OF CLASSES SPRING SEMESTER

4th course of Medical faculty (international)

№	Topic	H
1	Development of Pediatrics. Kazan School of pediatricians. Periodization of childhood,	2
2	characteristics of periods of intrauterine fetal development,	2
3	infants, pre-school and school age. The role of medical and social factors in the development of various pathologies	2
4	Features of feeding infants in the first year of life.	2
5	Features of mineral metabolism in children. Iron-deficiency anemia in children	2
6	Protein and energy deficiency. Malabsorption syndromes	2
7	Atopic dermatitis in children.	2
8	Pneumonia in children.	2
9	Neonatal mortality. The problem of miscarriage, family planning programmes. Improvement of perinatal diagnostics.	2

TOPICS OF PRACTICAL CLASSES

Section 1. The role of age factor in child pathology	
Topic 1.1	History of pediatrics. Periods of childhood. Physical and psychomotor development of children.
Topic 1.2	Anatomical and physiological features of the skin, subcutaneous fat, lymph nodes, musculoskeletal system in children.
Topic 1.3	Anatomical and physiological features of hematopoiesis, respiratory organs, cardiovascular system in children
Topic 1.4	Anatomical and physiological features of the digestive organs, urinary system, nervous and immune systems of children.
Topic 1.5	Rational feeding of children. Advantages of breastfeeding. Mixed and artificial feeding.
Section 2. Pathology of early age	
Topic 2.1	Alimentary-dependent diseases in young children (Rickets, deficiency anemia in children).
Topic 2.2	Characteristics of metabolism in children at different age periods. Chronic nutritional disorders in children. Malabsorption syndrome
Topic 2.3	Constitutional anomalies. Atopic dermatitis in children.
Topic 2.4	Acute respiratory diseases in children Pneumonia in children..
Section 3. Neonatology	
Topic 3.1	Neonatal mortality. Anatomical and physiological characteristics of a newborn child. Premature infants
Topic 3.2	Premature infants.
Topic 3.3	Perinatal CNS damage. Asphyxia of the newborn
Topic 3.4	Intrauterine infections. Local forms of purulent-septic diseases. Pneumonia of newborns.
Topic 3.5.	Hemolytic disease of the newborn. Differential diagnosis of jaundice.
Section 4. Diseases of older children.	
Topic 4.1	Respiratory diseases in older children: bronchial asthma, allergic rhinitis
Topic 4.2	Heart and joint diseases in children: acute rheumatic fever, non-rheumatic carditis in children, rheumatoid arthritis.
Topic 4.3	Chronic diseases of the gastrointestinal tract in children: chronic gastritis, gastric ulcer and duodenal ulcer
Topic 4.4	Biliary pathology in children: biliary dyskinesia, chronic cholecystocholangitis
Topic 4.5	Kidney diseases in children: pyelonephritis, dysmetabolic nephropathy, glomerulonephritis
Topic 4.6	Diffuse connective tissue diseases in children (systemic lupus erythematosus, scleroderma, dermatomyositis),
Topic 4.7	Blood diseases in children: hemophilia, idiopathic thrombocytopenic purpura, hemorrhagic vasculitis, leukemia.
Section 5. Polyclinic aspects of pediatrics	
Topic 5.1	Medical examination of pregnant women and newborn children in a children's clinic. Health groups
Topic 5.2	Medical examination of infants in a children's clinic
Topic 5.3	Vaccination. Calendar of preventive vaccinations. Post-vaccination reactions and complications.