

ТЕМАТИЧЕСКИЙ ПЛАН
практических занятий по педиатрии
для 4 курса факультета иностранных студентов
на весенний семестр 2024/2025 учебного года

№ п/п	Тема практического занятия
1	Diseases of the stomach and duodenum
2	Chronic inflammatory bowel disease
3	Diseases of the liver and pancreas
4	Congenital heart defects. Carditis. Acute and chronic heart failure
5	Rheumatic and non-rheumatic carditis
6	Heart rhythm disorders
7	Systemic connective tissue diseases
8	Blood diseases in children
9	Emergency conditions in pediatrics
10	Urinary tract infection in children
11	Acute post-streptococcal glomerulonephritis. Nephrotic syndrome. Acute renal damage. Chronic kidney disease

CONTROL QUESTIONS ON THE TOPIC OF THE CLASS № 1:
«Diseases of the stomach and duodenum»

1. Chronic gastritis, gastroduodenitis: etiology, pathogenesis, classification, clinic.
2. Diagnostic criteria, treatment and prognosis of chronic gastritis, gastroduodenitis.
3. Peptic ulcer disease: etiology, pathogenesis, classification. Features of the course of peptic ulcer in children.
4. Diagnostic criteria, clinical and endoscopic stages of peptic ulcer disease, complications.
5. Treatment of peptic ulcer disease, indications for surgical treatment, anti-curative measures. Prognosis.

CONTROL QUESTIONS ON THE TOPIC OF THE CLASS № 2:
«Chronic inflammatory bowel disease»

1. Definition and epidemiology of chronic inflammatory bowel disease.
2. Etiology, pathogenesis, pathomorphology of chronic inflammatory bowel diseases.
3. Intestinal and extraintestinal manifestations of chronic inflammatory bowel diseases.
4. Complications of chronic inflammatory bowel diseases.

5. Classification of ulcerative colitis and Crohn's disease.
6. Criteria of activity of ulcerative colitis and Crohn's disease.
7. Differential diagnosis of inflammatory bowel disease.
8. Basal therapy of chronic inflammatory bowel disease. Indications for surgical treatment.

CONTROL QUESTIONS ON THE TOPIC OF THE CLASS № 3: «Diseases of the liver and pancreas»

1. Anatomico-physiological features of the hepatobiliary system in children. Mechanism of bile formation, bile secretion and biliary functions of bile.
2. Biliary dyskinesia: etiology, pathogenesis, classification, clinical picture, diagnosis and differential diagnosis.
3. Acute and chronic cholecystitis, etiology, pathogenesis, classification, clinic, diagnosis, treatment.
4. Biliary stone disease: etiology, pathogenesis, classification, clinic, diagnosis, treatment.
5. Treatment of diseases of hepatobiliary system in children.
6. Anatomico-physiological features of the pancreas in childhood.
7. Acute and chronic pancreatitis in children: etiology, pathogenesis, classification, clinical picture, diagnosis, treatment.

CONTROL QUESTIONS ON THE TOPIC OF THE CLASS № 4: «Congenital heart defects. Carditis. Acute and chronic heart failure»

1. Anatomical and physiological features of the cardiovascular system. Blood circulation in the fetus and newborn baby.
2. Etiology and prevalence of congenital heart defects. Classification of congenital heart defects.
3. Clinical manifestations of congenital heart disease (cardiac and extracardiac). Methods of CHD diagnostics.
4. Hemodynamics and clinical symptoms of pale malformations (atrial septal defect, interventricular septal defect, open arterial duct).
5. Haemodynamics and clinical symptoms of blue malformations (complete transposition of the great vessels, Fallot's tetrad).
6. Haemodynamics and clinical symptoms of malformations with obstruction to ejection (aortic stenosis, coarctation of the aorta).
7. Differential diagnosis of rheumatic and non-rheumatic carditis in children.
8. Clinical signs of heart failure. Classification of heart failure.
9. Basic principles of treatment and rehabilitation of children with congenital heart disease.

CONTROL QUESTIONS ON THE TOPIC OF THE CLASS № 5:
«Rheumatic and non-rheumatic carditis»

1. Anatomical and physiological features of the cardiovascular system in children.
2. Prevalence of rheumatic and non-rheumatic carditis in children. The main etiological factors in the development of rheumatic and non-rheumatic carditis.
3. Pathogenetic mechanisms underlying rheumatic and non-rheumatic carditis. Classification of rheumatic and non-rheumatic carditis.
4. The main clinical manifestations of rheumatic carditis. Major and minor criteria.
5. The main clinical manifestations of non-rheumatic carditis. Clinical differences from the manifestations of rheumatic carditis.
6. Diagnostic criteria of rheumatic and non-rheumatic carditis.
7. Staged treatment of rheumatic carditis. Primary and secondary prevention.
8. Principles of treatment and prevention of non-rheumatic carditis in children.
9. Differential diagnostics of rheumatic and non-rheumatic carditis in children.

CONTROL QUESTIONS ON THE TOPIC OF THE CLASS № 6:
«Heart rhythm disorders»

1. Cardiac arrhythmias. Topical classification of cardiac rhythm disorders.
2. Impulse formation disorders: nomotopic arrhythmias (sinus tachycardia, bradycardia, arrhythmia; sick sinus syndrome) and heterotopic arrhythmias (migrating pacemaker, extrasystole, paroxysmal and non-paroxysmal tachycardia, atrial and ventricular fibrillation and flutter).
3. Conduction disorders: blockades (sinoatrial block, intra-atrial block, atrioventricular and intraventricular block, ventricular asystole) and premature ventricular excitation syndrome (WPW syndrome and short PR (Q) syndrome).
4. Combined rhythm disorders: parasystole, atrioventricular dissociation
6. Electrocardiological signs of automatism, excitability, conduction disorders in children.
7. Treatment of rhythm disturbances. Emergency therapy of paroxysmal tachycardia in children.

CONTROL QUESTIONS ON THE THEME OF THE CLASS № 7:
«Systemic connective tissue diseases»

1. Current understanding of the etiopathogenesis of connective tissue diseases in children.
2. Juvenile idiopathic arthritis: classification, clinic, diagnostic criteria for juvenile rheumatoid arthritis
3. Current principles of treatment of juvenile idiopathic arthritis.
4. Systemic lupus erythematosus, periarteritis nodosa, dermatomyositis, systemic scleroderma in children. Differential diagnostic criteria. Treatment.
5. Methods of application and complications of corticosteroid therapy.

CONTROL QUESTIONS ON THE THEME OF THE CLASS № 8:

«Blood diseases in children»

1. Anatomical and physiological features of the blood and hematopoiesis system in children.
2. Modern classification of anemias.
3. Deficiency anemias (iron deficiency anemia, vitamin B12 deficiency, folate deficiency anemia). Differential diagnostics. Treatment principles. Prevention.
4. The concept of hemorrhagic syndrome. Classification of types of bleeding, hemorrhagic diseases. Differential diagnostics of hemorrhagic diseases in children.
5. Modern views on the etiology and pathogenesis of leukemia. Classification, clinical manifestations. Laboratory and morphological diagnostics. Treatment principles.
6. Medical prevention of blood diseases in children.

CONTROL QUESTIONS ON THE THEME OF THE CLASS № 9:

«Emergency conditions in pediatrics»

1. Diagnostics and first aid for hyperthermic and convulsive syndromes.
2. Diagnostics and first aid for broncho-obstructive syndrome and acute stenosing laryngotracheitis.
3. Emergencies in cardiology: hypertensive crisis, vegetative-vascular crises, asystole.
4. First aid for accidents in children: heat stroke, acute poisoning, burns, frostbite, insect bites, snake bites, animal bites.
5. Emergency care for acute allergic reactions: anaphylactic shock, Quincke's edema, acute urticaria.

CONTROL QUESTIONS ON THE TOPIC OF THE CLASS № 10:

«Urinary tract infection in children»

1. Urinary tract infection in children. Concept of urinary infection and urinary tract infection. Etiology and routes of infection. Definition of bacteriuria.
2. Pyelonephritis: definition, etiology, pathogenesis, classification.
3. Pyelonephritis: clinic, diagnosis, diagnostic criteria. Features of clinical manifestations in young children.
4. Treatment of patients with pyelonephritis. Start and contraindications therapy. Indications and contraindications for countercurrent therapy.
5. Cystitis: definition, clinic, diagnosis, treatment principles.
6. Dispensary care for children with microbial inflammatory diseases of the urinary system.

**CONTROL QUESTIONS ON THE TOPIC OF THE CLASS № 11:
«Acute post-streptococcal glomerulonephritis. Nephrotic syndrome. Acute renal
damage. Chronic kidney disease»**

1. Acute post-streptococcal glomerulonephritis: definition, etiology, pathogenesis, classification, clinic, diagnosis, treatment, prevention.
2. Nephrotic syndrome: definition, etiology, pathogenesis, classification, clinic, diagnosis, treatment, prevention.
3. Differential diagnosis of urinary syndrome.
4. Acute kidney injury: etiology, pathogenesis, classification, clinical and diagnostic criteria by stage, principles of treatment by stage. Indications for renal replacement therapy. Medical rehabilitation.
5. Chronic kidney disease: etiology, pathogenesis, classification, clinical and diagnostic criteria by stages, principles of conservative therapy. Indications for program dialysis. Medical rehabilitation.
6. Dispensary care for children with acute post-streptococcal glomerulonephritis, nephrotic syndrome.