Paediatrics State Exam Questions

1. Low birth weight newborn: clinical presentation, specific problems, most common diseases
2. Intellectual disability – differential diagnosis, severity classification, investigations
3. Acute myocarditis and endocarditis in children

1. Full-term newborn: growth, development and characteristics of the newborn period, most common diseases
2. Headache, differential diagnosis
3. Cardiomyopathy, cardiac arrhythmias in children

1. Infant and Toddler: growth, development and characteristics of the period, the most common diseases
2. Epilepsy in children, febrile convulsions
3. Congenital malformations of respiratory system

1. Pre-school and school age: growth, development and characteristics of the period, most common diseases
2. Neuroinfections, clinical picture, differential diagnosis
3. Bleeding disorders (hereditary and acquired) in children

1. Older school age and adolescence: growth, development and characteristics of the period, the most common diseases
2. Cerebral palsy, clinical impact, differential diagnosis
3. Tuberculosis in children

1. Assessment of growth and development in children, differences in physical examination
2. Vomiting, differential diagnosis
3. Acute laryngitis, acute epiglottitis, clinical features, treatment

1. Breast feeding (breast milk composition in comparison to artificial formulas, contraindications)
2. Neuromuscular disease, clinical impact, differential diagnosis
3. Leukemia and lymphoma in children

1. Nutrition of infants and toddlers, the risks of alternative diets
2. Apnea, acute life-threatening conditions in infants (ALTE, SIDS)
3. Primary systemic vasculitis: Henoch-Schönlein purpura, Kawasaki disease

1. Milk formulas in infants nutrition, various types of formulas
2. Polyuria, differential diagnosis
3. Attention Deficit Hyperactivity Disorder (ADHD), autism

1. Urgent and advanced cardiopulmonary resuscitation of newborn and child
2. Abdominal pain, differential diagnosis
3. Diseases of the anterior pituitary gland

1. Acute expiratory dyspnea (wheezing): clinical picture, differential diagnosis, treatment
2. Hypotonia of infant, clinical picture, differential diagnosis.
3. Disorders of sexual differentiation

1. Acute inspiratory dyspnea: clinical picture, differential diagnosis, treatment
2. Diarrhea, differential diagnosis, clinical impact
3. Disorders of adrenal function

1. Foreign body in the airways and gastrointestinal tract
2. Proteinuria and hematuria, diagnosis, differential diagnosis
3. Deficiency of fat-soluble vitamins

1. Allergic reactions, anaphylactic shock
2. Defecation disorders, differential diagnosis
3. The deficit of water-soluble vitamins

1. Fever, hyperpyrexia, low-grade fever: definition, therapy
2. Failure to thrive in infants and toddlers, differential diagnosis
3. Acute bronchitis, acute bronchiolitis

1. The most common poisoning in children
2. Cough, differential diagnosis
3. Diabetes mellitus in children

1. Burn injury
2. Congenital heart defects
3. Defects in metabolism of carbohydrates and lipids

1. Disorders of consciousness, seizures, differential diagnosis, first aid
2. Hypertension, differential diagnosis
3. Defects in metabolism of amino acids

1. Acute abdomen in children
2. Hypoglycemia, differential diagnosis
3. Pneumonia in children

1. Principles of oral and parenteral rehydration, realimentation
2. Joint swelling, differential diagnosis
3. Brain tumors in children, hydrocephalus

1. Specifics of pharmacotherapy in children
2. Musculoskeletal pain, differential diagnosis
3. Malabsorption syndromes, celiac disease, food allergies

1. Immunization practices: principles and importance of vaccination, immunization schedule, side effects
2. Anaemia, differential diagnosis
3. Obesity, differential diagnosis, treatment

1. Newborn screening
2. Hepatopathy and hepatomegaly, differential diagnosis
3. Urinary tract infections in children

1. Screening in paediatrics
2. Splenomegaly, differential diagnosis
3. Nephrotic syndrome

1. Specifics of biochemical tests and blood count in children
2. Gastrointestinal bleeding, differential diagnosis
3. Congenital disorder of uropoetic tract

1. Life-threatening congenital defects in newborns
2. Immunodeficiencies, differential diagnosis
3. Helminthic diseases (infestations)

1. Birth trauma
2. Exanthematous infectious diseases, clinical picture, differential diagnosis
3. Diseases of the liver, gallbladder and pancreas in children

1. Prenatal diagnosis and genetic testing in pediatrics, indications, methods
2. Oedema, differential diagnosis
3. Risk behavior syndrome in adolescence, addiction, intervention options
1. Management of newborns after birth
2. Growth disorders, differential diagnosis
3. Childhood asthma

1. Blood gases and acid-base balance investigation test, indications, interpretation
2. Disorders of the thyroid gland, clinical features, differential diagnosis
3. Newborn pneumopathies, respiratory distress syndrome

1. Hyperbilirubinemia, differential diagnosis and treatment
2. Disorders of calcium-phosphate metabolism, clinical impact, differential diagnosis
3. Solid tumors in children (excluding brain tumors)

1. Disorders of pubertal development, differential diagnosis
2. Cystic fibrosis, clinical impact, diagnosis, treatment
3. Elimination disorders and voiding dysfunction

1. Lymphadenopathy, differential diagnosis
2. Acute glomerulonephritis, nephritic syndrome, clinical picture, diagnosis
3. Neonatal sepsis - early and late

1. Assessment of growth and development, anthropometric data
2. Fever of unknown origin, recurrent and periodic fever: differential diagnosis
3. Atopic eczema, seborrheic dermatitis

1. Shock (classification, causes, treatment)
2. Gastroesophageal reflux, infant colic
3. Intertrigo, pyogenic skin diseases

1. Heart murmurs, differential diagnosis
2. Systemic autoimmune diseases
3. Intrauterine infections, TORCH, congenital syphilis

1. Circulatory failure in children: underlying causes, clinical picture, treatment
2. Congenital anomalies of the gastrointestinal tract
3. Typical health problems during adolescence

1. Neuroinfections, differential diagnosis and treatment
2. Respiratory failure in children: underlying causes, clinical picture, treatment
3. Inflammatory Bowel Disease

1. Acute gastroenteritis in infants and toddlers
2. Reactive arthritis, rheumatic fever, juvenile idiopathic arthritis
3. Child abuse and neglect syndrome (CAN)

1. Perinatal hypoxia and asphyxia
2. Acute and chronic renal failure, hemolytic-uremic syndrome
3. Eating disorders