

STATE EXAMINATION QUESTIONS - PAEDIATRICS

1. Anaemia in childhood - classification, diagnosis and treatment
Foreign bodies in the respiratory and gastrointestinal tracts
Breastfeeding, introduction of complementary foods and weaning
2. Pneumonia in neonates, infants and toddlers
White blood cell disorders (leukopenia and leukocytosis)
Principles and indications of formula feeding; classification of infant formula preparations
3. Pneumonia in older children
Differential diagnosis of abdominal pain
Adolescence - characteristics of the period, most common diseases, risk-taking behaviour
syndrome and sleep disorders
4. Bronchial asthma
Nausea and vomiting in children
Congenital and Acquired Coagulation disorders (hypocoagulable and hypercoagulable states)
5. Acute bronchitis and acute bronchiolitis
Primary systemic vasculitides (Kawasaki disease, IgA vasculitis)
Solid tumours in children (excluding CNS tumours)
6. Heart failure and its treatment
Diseases of the oesophagus (GERD) and stomach
Delayed psychomotor development in children - differential diagnosis
7. Cyanotic congenital heart defects
Disorders of anterior pituitary function
ADHD, learning disorders, and autism spectrum disorders
8. Acyanotic congenital heart defects
Term newborn - physical examination findings, characteristics and most common complications
of the neonatal period
Acute subglottic laryngitis and acute epiglottitis
9. Myocarditis and pericarditis
Preterm newborn - definition, characteristics, and most common complications
Intracranial hypertension syndrome and CNS tumours
10. Cardiac arrhythmias in children
Tuberculosis
Scope of Paediatrics - history and notable figures in paediatrics, specific aspects of paediatric
care, preventive care, morbidity and mortality in childhood
11. Hypertension in childhood
Headache and meningism - differential diagnosis
Parasitic diseases in children

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12. Coeliac disease and malabsorption syndrome
Differential diagnosis of dyspnoea
Transfusion therapy in paediatrics - indications and complications
13. Chronic inflammatory bowel diseases in children
Collapse and syncope in children - differential diagnosis
Infectious skin diseases (excluding viral diseases)
14. Acute diarrhoea in childhood
Thyroid function disorders
Congenital malformations of the CNS and hydrocephalus
15. Type 1 diabetes mellitus
Differential diagnosis of hepatomegaly
Allergic reactions, anaphylaxis and anaphylactic shock - clinical presentation, diagnosis and treatment
16. Acute abdomen
Meningitis and encephalitis in children
Newborn screening - clinical and laboratory; birth trauma
17. Cystic fibrosis
Most common infectious exanthematous diseases in childhood (erythema infectiosum, roseola infantum, hand-foot-mouth disease, morbilli, varicella, mumps, rubella)
Parathyroid disorders
18. Growth disorders
Nephrotic syndrome
Sinusitis, tonsillitis, and adenoid hypertrophy
19. Acute kidney injury (AKI) and haemolytic uraemic syndrome
Cough (aetiology, differential diagnosis, treatment)
Otitis media and mastoiditis; hearing screening and hearing disorders
20. Chronic kidney disease (CKD) in childhood
Differential diagnosis of splenomegaly
Cerebral palsy - aetiology, forms, clinical presentation, complications and management
21. Acute post-infectious glomerulonephritis and rapidly progressive glomerulonephritides
Disorders of puberty
Disorders of lipid metabolism
22. Diseases of bones and joints (osteomyelitis, avascular necrosis, osteoporosis)
Differential diagnosis of hyperbilirubinaemia (excluding neonatal hyperbilirubinaemia)
Fever - causes and treatment; fever of unknown origin (FUO), PFAPA

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23. Obesity and metabolic syndrome
Defecation disorders - constipation and encopresis
Neonatal hyperbilirubinaemia
24. Congenital malformations of the gastrointestinal tract
Chronic glomerulonephritides (IgA nephropathy, HSP nephritis); Alport syndrome
Indications for genetic testing in paediatrics; patterns of inheritance – examples
25. Vesicoureteral reflux and obstructive uropathies in childhood
Diseases of the adrenal cortex
Primary and secondary immunodeficiencies
26. Upper and lower urinary tract infections
Chest pain - differential diagnosis
Metabolic liver diseases and hepatic failure
27. Seizures in childhood (epilepsy, febrile seizures, seizures associated with other diseases)
Vaccination - principles of immunisation, mandatory and recommended vaccinations (immunisation schedule), contraindications and adverse effects
Thrombocytopenias and platelet function disorders
28. Differential diagnosis of haematuria
Infective endocarditis
Inherited disorders of carbohydrate metabolism
29. Disorders of sodium and potassium metabolism
Congenital viral and bacterial infections of the newborn (TORCH, GBS, E. coli)
Inherited disorders of amino acid metabolism
30. Acid-base balance disorders
Gastrointestinal bleeding - differential diagnosis
Specific aspects of pharmacotherapy and antibiotic treatment in paediatrics
31. Viral hepatitis and chronic hepatitis
Hypoglycaemia in childhood
Primary monosymptomatic nocturnal enuresis; undescended testes
32. Poisoning in childhood
Differential diagnosis of oedema
Apnoeic episodes and acute life-threatening conditions in infancy (ALTE/BRUE, SIDS)
33. Basic and advanced cardiopulmonary resuscitation in children
Juvenile idiopathic arthritis
Rights of the child; child abuse and neglect syndrome (CAN)

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34. Failure to thrive in infancy and toddlerhood
Numerical and structural abnormalities of autosomes and sex chromosomes
Adverse effects of long-term glucocorticoid therapy
35. Differential diagnosis of proteinuria
Systemic lupus erythematosus, juvenile dermatomyositis and scleroderma
Paediatric palliative care and its specific aspects
36. Shock - definition, classification, initial management and treatment (excluding anaphylactic shock)
Neuromuscular disorders in childhood (muscular dystrophies)
Characteristics of the preschool and school-age periods, growth and development, and most common diseases
37. Differential diagnosis of unconsciousness
Vitamin D and its importance; rickets
Eating disorders
38. Cardiomyopathies
Differential diagnosis of lymphadenopathy
Non-infectious skin diseases in childhood - atopic dermatitis, urticaria, seborrhoeic dermatitis and haemangiomas
39. Dehydration; principles of oral and intravenous rehydration and refeeding
Acute leukaemias and malignant lymphomas
Characteristics of infancy and toddlerhood, growth and development, and most common diseases
40. Sepsis in childhood
Polydipsia and polyuria - differential diagnosis
Assessment of growth and development in children; analysis and interpretation of growth charts