LIST OF QUESTIONS FOR THE FINAL MODULE CONTROL 2023-2024

Module 1. Pediatrics

1. Differential diagnosis of pneumonia in children. Tactics of patient management in different clinical variants of pneumonia. Prevention of pneumonia and its complications in children.
2. Differential diagnosis of pneumonia complications in children. Tactics of management of the patient at various clinical options of complications of pneumonia at children.
3. Emergency care for acute respiratory failure depending on the cause and severity.
4. Differential diagnosis of bronchial obstruction syndrome in children of different ages. Tactics of patient management.
5. Differential diagnosis of complications of bronchial obstruction syndrome in children. Tactics of patient management.
6. Emergency care for severe asthma attacks in children.
7. Differential diagnosis of bronchial asthma in children. Tactics of patient management. Prevention of bronchial asthma and its complications in children. Management of the patient at the outpatient stage.
8. Prevention of bronchial obstruction syndrome in children of different ages.
9. Differential diagnosis of hereditary, congenital and chronic diseases of the bronchopulmonary system (cystic fibrosis, idiopathic pulmonary hemosiderosis, primary ciliary dyskinesia, Wilms-Campbell syndrome, bronchomalacia, pulmonary aplasia and hypoplasia, antihyperplasia, antihypertensive α)
10. Tactics of patient management in hereditary, congenital and chronic diseases of the bronchopulmonary system and their complications in children.
11. Prevention of hereditary, congenital and chronic diseases of the bronchopulmonary system in children. Management of patients at the outpatient stage.
12. Indications for use and methods of long-term non-invasive lung ventilation at home in children.
13. Indications for use and methods of oxygen therapy at home in children.
14. Differential diagnosis of cyanosis in children. Tactics of managing a sick child.
15.Differential diagnosis of shortness of breath in children. Tactics of patient management.
16. Differential diagnosis of cardiomegaly in children. Tactics of patient management.
17. Differential diagnosis of congenital and acquired heart defects in children. Tactics of managing children with congenital and acquired heart defects. Medical observation at the outpatient stage.
18. Emergency care for acute heart failure in children.
19. Secondary prevention of infectious endocarditis in children.
20. Differential diagnosis of extrasystole, paroxysmal tachycardia, atrial fibrillation and complete atrio-ventricular block in children.
21. Tactics of patient management with extrasystole, paroxysmal tachycardia, atrial fibrillation, complete atrioventricular block in children.
22. Prevention of cardiac arrhythmias and conduction in children.
23. Emergency care for paroxysmal tachycardia, atrial fibrillation, MAC syndrome in children.
24. Differential diagnosis of systemic connective tissue diseases and systemic vasculitis in children. Tactics of patient management. Medical observation at the outpatient stage.
25. Primary and secondary prevention of acute rheumatic fever in children.
26. Differential diagnosis of arthritis in children. Tactics of patient management. Prevention of reactive arthritis in children.

27. Differential diagnosis of functional (cyclic vomiting syndrome, functional dyspepsia) and organic (chronic gastritis, chronic gastroduodenitis, gastric ulcer and duodenal ulcer), diseases of the esophagus, stomach and duodenum in children.
28. Tactics of patient management in functional and organic diseases of the esophagus, stomach and duodenum in children. Medical observation at the outpatient stage
29. Differential diagnosis of peptic ulcer of the stomach and duodenum in children. Tactics of patient management. Prevention of peptic ulcer of the stomach and duodenum in children. Medical observation at the outpatient stage.
30. Differential diagnosis of complications of peptic ulcer of the stomach and duodenum in children. Emergency care for complications of peptic ulcer and duodenal ulcer in children.
31. Differential diagnosis of functional and organic intestinal diseases in children. Tactics of patient management.
32. Differential diagnosis of primary (disaccharide deficiency, exudative enteropathy, celiac disease, cystic fibrosis) and secondary (chronic enteritis, enterocolitis) malabsorption syndrome in children. Tactics of patient management. Medical observation at the outpatient stage.
33. Differential diagnosis of acute and chronic pancreatitis in children. Tactics of patient management. Prevention of acute and chronic pancreatitis in children. Medical observation at the outpatient stage.
33. Differential diagnosis of diseases accompanied by exocrine insufficiency of the pancreas in children.
35. Differential diagnosis of functional and organic diseases of the gallbladder and sphincter of Oddi in children. Tactics of patient management.
36. Differential diagnosis of chronic hepatitis in children. Tactics of patient management. Prevention of chronic hepatitis and portal hypertension in children. Observation at the outpatient stage.
37. Emergency care for acute liver failure and complications of portal hypertension syndrome in children. 38. Differential diagnosis of the most common infectious and inflammatory diseases of the urinary system (urinary tract infections, urethritis, cystitis, pyelonephritis) in children. Tactics of patient management. Prevention. Medical observation at the outpatient stage.
39. Differential diagnosis of complications of the most common infectious and inflammatory diseases of the urinary system (urinary tract infections, urethritis, cystitis, pyelonephritis) in children. Tactics of patient management.
40. Differential diagnosis of hereditary tubulopathies (phosphate-diabetes, Debre de Tony-Fanconi syndrome, renal diabetes mellitus, renal tubular acidosis) in children. Tactics of patient management. Medical observation at the outpatient stage.
41. Differential diagnosis of dysmetabolic nephropathy in children. Tactics of patient management. Observation at the outpatient stage.
42. Principles of treatment of chronic kidney disease in children. Medical observation at the outpatient stage.
43. Emergency care for acute urinary retention.
44. Differential diagnosis of acute and chronic glomerulonephritis, interstitial and hereditary nephritis in children. Tactics of patient management at the hospital and outpatient stage.
45. Emergency care for acute kidney damage in children.
46. The procedure for mandatory preventive examinations of children under three years of age. Assessment of physical and psycho-motor development of a child under three years.
47. Rational feeding and nutrition of a child under three years of age. Principles of effective counseling.
48. Tactics of a general practitioner in violation of physical and neuropsychological development of children in the first three years of life.

49. Differential diagnosis and prevention of the most common deficiency conditions (chronic eating disorders, rickets, deficiency anemia, hypovitaminosis) in young children. Tactics of patient management. Medical observation at the outpatient stage.
50. Specific prevention of infectious diseases in children. National calendar of preventive vaccinations.
51. Anaphylactic shock in children. Definition, causes, clinical manifestations, diagnosis, emergency care, prevention.
52. Acute urticaria and angioneurotic edema in children. Causes, classification, diagnosis, differential diagnosis, treatment. Emergency care for angioneurotic edema in life-threatening areas in children.
53. Differential diagnosis of jaundice in newborns. Tactics of management of newborns with manifestations of jaundice at the outpatient stage.
54. Differential diagnosis of perinatal CNS lesions in infants. Tactics of management of children with perinatal CNS lesions at the outpatient stage.
55. Strategy of integrated management of childhood diseases and its purpose. General signs of danger of the child's condition.
56. Assessment, classification, treatment, consultation and follow-up of children with cough, shortness of breath, diarrhea, ear problems, sore throat, fever, eating disorders and anemia, in the presence of HIV infection from 2 months to 5 years.
57. Assessment, classification, treatment, consultation and follow-up of children under 2 months of age with jaundice, diarrhea, feeding problems and low body weight, severe disease and local bacterial infection.
58. The procedure and timing of mandatory preventive medical examinations of adolescents.
59. Assessment of physical development and puberty of adolescents. Prevention of obesity in adolescents. Medical and psychological counseling.
60. Clinical variants of autonomic dysfunctions in children. Tactics of a general practitioner for autonomic dysfunction and hypertension in children. Prevention of arterial hypertension in children.
61. Differential diagnosis of primary and secondary arterial hypertension in adolescents. Tactics of managing a patient with hypertension at the site.
62. Provision of emergency care during autonomic crises, hypertensive crisis.
63. Cough: the main types and causes of cough. Differential diagnosis of diseases, the leading symptom of which is cough.
64. Differential use of drugs used in the treatment of children with cough.
65. Differential diagnosis of abdominal pain in children. Tactics of patient management. Indications for consultation with a pediatric surgeon.
66. Paleness in children. Differential diagnosis and treatment of diseases and conditions that are accompanied by pallor in children. Indications for consultation with a pediatric hematologist.
67. Emergency care for acute bleeding.
68. Lymphadenopathy in children. Differential diagnosis. Doctor's tactics. Indications for consultation with a pediatric hematologist.
69.Differential diagnosis and treatment of diseases and conditions accompanied by hepatomegaly and splenomegaly
70. Fever in children. See the fever. Differential diagnosis of diseases that are accompanied by fever in children. Tactics of patient management.
71. Indications for the appointment of antipyretics in pediatrics. Emergency care for febrile seizures.
72. Differential diagnosis of infectious and non-infectious exanthemas in children. Doctor's tactics.
73. Clinical signs, diagnosis, emergency care in case of foreign body entering the respiratory tract in children.
74. Clinical signs, diagnosis, emergency care for insect bites, snakes in children.

75. Clinical signs, diagnostics, emergency care at poisonings by medicines, means of household chemicals at children.

LIST OF PRACTICAL SKILLS TO BE CONTROLLED DURING FC MODULE 1 "PEDIATRICS"

I. Analysis of laboratory and instrumental studies

1. General blood test
2. General analysis of urine
3. Zymnitsky test (functional Urine analysis)
4. Nechiporenko test
5. Urinalysis for diastasis
6. General feces analysis
7. Blood protein and its fractions, acute phase indicators
8. Blood glucose
9. Blood electrolytes
10. Blood lipid profile
11. Blood Alkaline phosphatase
12. Blood transaminases
13. Creatinine, blood urea
14. Total bilirubin of the blood and its fractions, analyze the Polachek curve
15. Coagulogram
16. Analysis of pleural fluid
17. Analysis of synovial fluid
18. General analysis of sputum
19. General immunological profile of blood
20. Serological reactions in autoimmune diseases
21. Microbiological study of biological fluids and secretions
22. Radial examination of the CNS, chest and abdomen, urinary system.
23. Investigation of the function of external respiration
24. ECG (electrocardiography)
25. Endoscopic examination of the bronchi
26. Endoscopic examination of the digestive tract
27. Echocardiography
28. Radiation examination of bones and joints
29. Radial CNS study
30. Tuberculin diagnostics
31. Fractional study of gastric juice, bile and gastric pH

II. Medical manipulation

1. Perform ECG registration
2. To inject medicinal substances
3. Measure blood pressure
4. Catheterize the bladder with a soft probe
5. Perform pleural puncture
6. Perform artificial respiration, indirect heart massage
7. Identify blood groups, rhesus accessory

III. Assistance in emergency situations

1. Asthmatic condition
2. Anaphylactic shock
3. Acute respiratory failure
4. Acute heart failure
5. Attack of paroxysmal tachycardia
6. Morgan-Adams-Stokes Syndrome
7. Hypertensive crisis
8. The collapse
9. Acute liver failure
10. Acute kidney injury
11. Gastrointestinal bleeding

Recommended literature

Basic

1. Nelson Textbook of Pediatrics, 2-Volume Set (Nelson Pediatrics) 21st Edition
by Robert M. Kliegman MD, Joseph St. Geme MD, 2020, 5932 p
2. Pediatric. Textbook. Edited by Tiazhka O.V. 2018. 544p.
3**. Pediatric Infectious Diseases:** textbook / S.O. Kramarov, O.B. Nadraga, L.V. Pypa et al.; edited by S.O. Kramarov, O.B. Nadraga. — 4th edition. — Kyiv : AUS Medicine Publishing, 2020. - 240 p.
4. Ghai. Essential Pediatrics. 9 edition.- 2019.-768 p. https://medical-downloads.com/ghai-essential-pediatrics-9th-edition/

Additional literature

1. Principles of Pediatric Nursing. Techniques for Medical Procedures and Manipulations. Edited by O.V. Tiazhka. AUS Medicine Publishing. 2016.- 144 p.
2. Cherry J., Demmler-Harrison G. J., Kaplan S. L., Steinbach W.J., Hotez P. Feigin and Cherry's Textbook of Pediatric Infectious Diseases, 7th Edition. - Philadelphia:Elsevier Saunders, 2015.
3. Carson R. A., Mudd S. S., M. P. Jamil Clinical Practice Guideline for the Treatment of Pediatric Acute Gastroenteritis in the Outpatient Setting//J Ped. Health Care. - 2016.- V.30(6).- P.610-616.
4. Guarino A., Ashkenazi Sh., Gendrel D., Vecchio A.L., Shamir R., Szajewska H. European Society for Paediatric Gastroenterology, Hepatology, and Nutrition/European Society for Paediatric Infectious Diseases Evidence-based Guidelines for the Management of Acute Gastroenteritis in Children in Europe: update 2014 // J. Ped. Gastroenterol. Nut. - 2014. Vol. 59.-N1.- P. 132–152.
5. Strange and Schafermeye Pediatric Emergency Medicine. Fifth Edition.2019. 972p.