**THEORETICAL QUESTIONS FOR FINAL MODUL CONTROL**

 “ЗАТВЕРДЖЕНО“

на методичній нараді кафедри

дитячої хірургії, протокол № 1

від 10 січня 2018 р.

Зав. кафедри дитячої хірургії

професор \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ А.Ф.Левицький

1. Appendicitis. PERITONITIS
2. Relevant anatomy of the appendix and abdominal cavity in children.
3. The classic clinical manifestation of the acute appendicitis.
4. Features of clinical presentations of acute appendicitis in newborn and toddlers.
5. Lab studies and imaging studies in children with acute appendicitis.
6. Differential diagnosis of acute appendicitis and gastroenteritis.
7. Differential diagnosis of acute appendicitis and infection diseases.
8. Meckel's diverticulitis: causes, clinical presentation, diagnostic procedures, treatment.
9. Complications of appendicitis. Clinical presentations of the appendicular abscess.
10. Treatment of acute appendicitis.
11. Preoperative management in children with acute appendicitis.
12. Advantages and disadvantages of laparoscopic appendectomy.
13. Postoperative complications after appendectomy (open and laparoscopic).
14. Postoperative management after appendectomy.
15. Classification of peritonitis.
16. Causes of peritonitis in newborn.
17. Etiology and patophysiology of necrotizing enterocolitis in newborn.
18. Main principles of necrotizing enterocolitis treatment.
19. Complications of necrotizing enterocolitis
20. ILEUS. INTUSSUSCEPTION
21. Causes of primary (idiopathic) and secondary (with pathologic lead point) intussusception
22. Clinical presentation of intussusception
23. Complication of intussusception
24. Imaging studies in patients with suspected intussusception
25. Nonoperative management of intussusceptions: indications
26. Methods of nonoperative management of intussusception
27. Contraindications to nonoperative management of intussusception
28. Surgical treatment of intussusception
29. Recurrent intussusception: causes, treatment
30. Causes and clinical presentations of paralytic ileus
31. Treatment of paralytic ileus
32. Clinical and x-ray symptoms of **small bowel** **obstruction**
33. Clinical and x-ray symptoms of **large bowel** **obstruction**
34. Preoperative management of children with mechanical bowel obstruction
35. Complications of postoperative bowel obstruction
36. Surgical treatment of postoperative bowel obstruction

3. DIGESTIVE TRACT BLEEDING IN CHILDREN. PORTAL HYPERTENSION

1. Clinical manifestation of upper and low gastrointestinal bleeding

2. Causes of bleeding in children with intussusception

3. Causes of bleeding in children with Mekkel’s diverticulum. Clinical symptoms, diagnostic procedures, treatment

4. Causes of bleeding in children with solitary polyps and polyposis

5. Causes and clinical manifestation of gastrointestinal polyposis

6. Classification of portal hypertension. Main causes of portal hypertension in childhood

7. Clinical presentations of extrahepatic portal hypertension

8. Relevant anatomy of portal system. Tributary of portal vena. Portortosystemic anastomosis: between v. cava surerior and v.portae; between v. cava inferior and v.portae

9. Diagnostic procedures in children with suspected portal hypertension

10. Emergent treatment of acute variceal bleeding

11. Endoscopic treatment and prophylaxis of acute variceal bleeding

12. Type of operation in children with portal hypertension. What type of vascular shunts are you know?

13. Clinical signs, diagnostic evaluations and treatment of the gastroesophageal reflux disease

14. Causes of anal fissure in children. Clinical presentation

15. Treatment of acute anal fissure in children

4. BACTERIAL SURGICAL INFECTION. OSTEOMYELITIS. SEPSIS

1. Etiology, clinical signs, diagnosis and treatment of acute lymphadenitis in children
2. Causes, clinical signs, diagnosis and treatment of mycobacterial lymphadenitis
3. Pathogenesis, clinical signs and treatment of perianal or perirectal abscesses in children
4. Mastitis of the newborn: causes, clinical signs, diagnosis and treatment
5. Omphalitis: causes, clinical signs, diagnosis and treatment. Omphalitis as a complication of the umbilical fistulas
6. Hematogenes osteomyelitis in children: pathogenesis and clinical manifestations
7. Hematogenes osteomyelitis in children: diagnostic procedures and treatment
8. Clinical peculiarities of the hematogenes osteomyelitis in newborn
9. Treatment of the osteomyelitis in newborn
10. Complications of the acute hematogenes osteomyelitis. Main principles of complications’ prevention
11. Clinical manifestation and diagnosis of the Tbc (mycobacterial) osteitis
12. Differential diagnosis of the acute hematogenes osteomyelitis and BCG-osteitis
13. Classification of sepsis (the Society of Critical Care Medicine, 1992)
14. SIRS-criteria’s in childhood
15. Definition of septic shock, severe sepsis and multiple organ dysfunction
16. THORACIC TRAUMA
17. Anatomical and physiological features of respiratory system in children
18. Clinical symptoms of airway foreign bodies
19. Esophageal foreign bodies. Complication of lithium battery
20. Pneumothorax: classification, clinical symptoms, diagnostic procedures, treatment
21. Hemothorax: causes, clinical signs, diagnosis, treatment
22. Pulmonary contusion: causes, pathophysiology, clinical signs
23. Treatment and complications of the pulmonary contusion
24. Posttraumatic chylothorax: causes, clinical symptoms, diagnosis, main principles of treatment
25. Traumatic diaphragmatic hernia: mechanism of injury, clinical signs, x-ray sign
26. Injury to the tracheobronchial tree: clinical signs, diagnostic procedures treatment
27. Classification and clinical manifestations of blunt cardiac injury
28. Clinical signs and diagnosis of the esophageal chemical injuries
29. Complications and treatment of the esophageal chemical injuries
30. Diagnostic procedures in children with esophageal injuries
31. Etiology and pathogenesis of plural empyema
32. Clinical presentations and diagnosis of plural empyema
33. Treatment of bacterial pneumonia with pleural effusion
34. Pathogenesis, clinical signs and diagnosis of lung abscess
35. POLYTRAUMA. ABDOMINAL BLUNT TRAUMA
36. Peculiarities of pediatric trauma
37. Why the abdomen of children is vulnerable to injury
38. Prehopspital care of children with polytrauma
39. Primary care in the emergency department of children with polytrauma
40. Diagnostic procedures in children with abdominal blunt trauma
41. Clinical symptoms of spleen and liver injuries
42. Diagnosis of spleen and liver injuries
43. Main principles of nonoperative treatment of isolated splenic and hepatic injuries
44. Cause and clinical signs of abdominal compartment syndrome
45. Blunt traumatic injury to the pancreas: mechanism, clinical signs, diagnosis (lab and imaging procedures)
46. Blunt traumatic injury to the pancreas: treatment and complications
47. Gastrointestinal tract injuries in children: mechanism, clinical signs, diagnostic evaluations
48. Injuries to the stomach: mechanism, clinical signs, diagnosis, treatment
49. Duodenal injuries: classification, diagnosis, treatment
50. ACUTE SCROTUM. KIDNEY AND BLADDER TRAUMA
51. Definition, causes and clinical manifestation of the acute scrotum
52. Pathogenesis of extravaginal and intravaginal testicular torsion
53. Clinical signs of testicular torsion in newborns, toddlers and teenagers
54. Diagnostin evaluation, treatment and complications of testicular torsion
55. Pathogenesis, clinical symptoms and treatment of the torsion of the appendix testis
56. Differential diagnosis of the testicular torsion and torsion of the appendix testis
57. Differential diagnosis of the torsion of the appendix testis and incarcerated inguinal hernia
58. Differential diagnosis of the testicular torsion and idiopatic scrotal edema
59. Clinical signs, diagnosis and treatment of the testicular trauma
60. Intraperitoneal and extraperitonel bladder rupture: mechanism, clinical signs, diagnosis
61. Treatment of intraperitoneal and extraperitonel bladder rupture
62. Anatomical features of kidney that makes them especially susceptible to trauma
63. Clinical symptoms and diagnostic procedures in children with renal trauma
64. Medical management of renal trauma. Indications for renal exploration
65. Specific clinical signs of the urinary tract injuries. Urological diagnostic procedures: short characteristic
66. PEDIATRIC ONCOLOGY
67. Peculiarities of pediatric tumors
68. Clinical presentations and diagnosis of mediastinal tumors
69. Clinical presentations, diagnosis and treatment of the Wilms’ tumor
70. Pathology and clinical manifestation of the neuroblastoma due to localization
71. Diagnostic evaluations and treatment of the neuroblastoma
72. Embryology and pathology of the teratomas
73. Diagnosis, classification, management of the Sacrococcygeal teratomas
74. Pathology, diagnosis and treatment of the dermoid cysts
75. Rhabdomyosarcoma: pathology, diagnosis, main principles of treatment
76. Classification and clinical features of the nevi
77. Predisposing factors, clinical signs and treatment of the melanoma
78. Pathology and classification of the vascular anomalies
79. Pathology, clinical manifestations and imaging of the infantile hemangioma
80. Treatment of the infantile hemangiomas
81. Lymphatic malformations: clinical manifestations, imaging and treatment