

## **Pediatrics topic list**

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### **Part "A"**

1. Normal growth
2. Normal development
3. Prevention in pediatrics – Newborn screening
4. Prevention in pediatrics – Vaccination
5. Rights of Minors, Child abuse, Child Care Ethics
6. Newborn (term, preterm), delivery room care
7. Neonatal resuscitation – fetal circulation, adaptation to extrauterine life, special situations (diaphragmatic hernia, meconium aspiration syndrome)
8. Feeding of the healthy newborn (breastfeeding and formula feeding), the fluid requirement of the newborn, neonatal hypoglycaemia
9. Neonatal jaundice (physiologic, pathologic)
10. Sudden infant death
11. Care of a sick child, pBLS
12. Fluid and electrolyte balance in children (dehydration, burns – management)
13. Febrile infant, febrile child – investigation and management
14. Common childhood infectious diseases
15. Children with rash – investigation, management
16. Respiratory failure in children – assessment and emergency care
17. Upper respiratory tract infections, upper airway obstructions (causes of stridor)
18. Lower respiratory tract infections
19. Allergic conditions requiring acute treatment in pediatrics
20. Management of acute circulatory failure/collapse in children: types, diagnosis, management
21. Management of head injuries in children
22. Poisoning in children
23. Management of the enteral and airway foreign body
24. Diet of the healthy infant and children
25. Problems with growth and somatic development (weight faltering, malabsorption, food allergy and intolerance)
26. Importance of rare diseases in pediatrics
27. Inborn errors of metabolism – acute presentation and emergency treatment
28. Chromosomal disorders (numerical) - background, typical clinical features, management
29. Short stature – differential diagnosis
30. Obesity
31. ADHD and autism
32. Suicidal behaviour, role and duty in case of pediatric and adolescent self-harm/crisis; depression; eating disorders

## Part "B"

33. Neonatal respiratory distress – differential diagnosis, persistent pulmonary hypertension
34. Neonatal cardiac emergencies, diagnosis and emergency care (congenital heart defects, cardiac arrhythmias)
35. Neonatal seizure, congenital anomalies of the nervous system
36. Neonatal sepsis
37. Medical problems of the preterm infant - definitions, clinical signs, therapy
38. Asthma in children
39. Cystic fibrosis
40. Chest pain – differential diagnosis, management
41. Arrhythmias in children
42. Cardiogenic shock:
43. Congenital heart defects, murmurs in children
44. Headache in children, migraine:
45. Seizures in children
46. Cerebral palsy
47. Muscle hypotony – differential diagnosis, management
48. Inflammation of the CNS (infections, ADEM):
49. Inflammatory bowel disease in childhood
50. Differential diagnosis of abdominal pain in children:
51. Vomiting in children – differential diagnosis
52. Congenital anomalies of the upper GI tract
53. Congenital anomalies of the lower GI tract
54. Acute inguinoscrotal conditions, Enuresis
55. Childhood urinary tract infection
56. Congenital anomalies of the kidney and urinary tract
57. Paediatric hypertension
58. Nephrotic and nephritis syndrome
59. Acute kidney injury and chronic kidney disease
60. Anaemia in children
61. Coagulopathies in paediatric patients
62. Acute leukaemia and lymphomas in paediatrics (ALL, AML)
63. Solid tumours in children
64. Diabetes in childhood, emergency aspects (hypoglycaemia, DKA)
65. Endocrine emergencies
66. Disorders of sexual development, precocious puberty, delayed puberty
67. Immunodeficiencies in childhood – presentation, diagnosis, treatment
68. Vasculitis in childhood:
69. Musculoskeletal disorders in children: