

**List of the theoretical questions
for preparing for exam on "Pediatric Therapeutic Dentistry"
(IV course)**

1. Development of the tooth. Sources of tissues in embryogenesis. The mechanism of formation of dentin and enamel.
2. Stages of deciduous teeth.
3. Stages of development of permanent teeth.
4. Timing of eruption and root formation of deciduous teeth. Physiological signs of eruption.
5. Timing of eruption and root formation of permanent teeth.
6. Radiographic stage of root formation of permanent teeth. Their characteristics.
7. Types of root resorption of deciduous teeth by T. Vinogradova. Their radiological characteristics.
8. Anatomical structure of deciduous teeth. Histological structure of hard tissues of deciduous teeth.
9. Anatomical structure of permanent teeth in children. Anatomical and histological features of the structure of permanent teeth with immature root.
10. Steps cavity preparation. Tools for preparation and their choice. Features of preparation of cavities and-in classes in temporary and permanent teeth, depending on the type of filling material.
11. Preparation and filling of cavities of class I in temporary and permanent teeth in children.
12. Preparation and filling of cavities class II in temporary and permanent teeth in children. Restoration of the contact point.
13. Preparation and filling of cavities class III in temporary and permanent teeth in children.
14. Preparation and filling of cavities in Class IV temporary and permanent teeth in children.
15. Preparation and filling of cavities class V in temporary and permanent teeth in children.
16. Classification of filling materials. The choice of materials for dental treatment of caries in permanent teeth in children.
17. Zinc-phosphate, silicate and silica-phosphate cements. Composition, basic physical and chemical properties, indications for use in temporary and permanent teeth. Technology preparation and sealing.
18. Silver amalgam. Composition, basic physical and chemical properties, indications for use in temporary and permanent teeth. Technology preparation and sealing. Glass ionomer cements
19. Composition, basic physical and chemical properties, indications for use in temporary and permanent teeth in children. Technology preparation and sealing.
20. Composite chemical curing. Types, basic physical and chemical properties, indications for use in temporary and permanent teeth in children. Technology preparation and sealing.

21. Photopolymer composites. Types, basic physical and chemical properties, indications for use in temporary and permanent teeth in children. Technology .. Stages sealing of permanent teeth in children.
22. Compomers. Basic physical and chemical properties, indications for use in temporary and permanent teeth in children. Technology preparation and sealing.
23. The etiology and pathogenesis of dental caries. General and local kariesogennoy factors.
24. dental plaque. Its structure, mechanisms of formation, effect on tooth enamel.
25. tooth enamel. Her age, relationship of structure of enamel with clinical manifestations of dental caries in children.
26. The mechanism of enamel demineralization. Pathological changes in the enamel of acute initial caries.
27. pathological changes in dentin caries lesions zumovlenni.
28. Classification of dental caries. Assessment activity caries process in children with TF Vinogradov.
29. Symptoms, diagnosis and differential diagnosis of caries of deciduous teeth at the stage of root.
30. Symptoms, diagnosis and differential diagnosis of caries of deciduous teeth at the stage of formation of roots.
31. Symptoms, diagnosis and differential diagnosis of caries of deciduous teeth at the stage of root resorption.
32. Imprehnatsiyunnyy treatment of caries of deciduous teeth. Indications, methods of execution. The mechanism of action of silver nitrate on dental hard tissues.
33. Treatment of caries of deciduous teeth by preparing and filling. The modern preparation techniques deciduous teeth (including ART-method, method of chemical-mechanical removal of carious dentin).
34. Modern filling materials used in the treatment of caries of deciduous teeth. Their choice depending on the stage of development of the tooth.
35. Symptoms, diagnosis and differential diagnosis of caries in permanent teeth under the emerging root.
36. Symptoms, diagnosis, differential diagnosis and treatment of acute initial caries of permanent teeth in children. Symptoms, diagnosis and differential diagnosis and treatment of superficial caries of permanent teeth in children.
37. Symptoms, diagnosis and differential diagnosis and treatment of middle caries of permanent teeth in children.
38. Symptoms, diagnosis and differential diagnosis and treatment of deep caries in permanent teeth of children.
39. Therapeutic and insulating gaskets used in the treatment of dental caries in children. Types, properties and indications for use.
40. Differential diagnosis of caries and its complications in permanent teeth in children.
41. Treatment of acute initial caries of permanent teeth in children (remineralizuyucha therapy, deep fluoridation). Methods, drugs, their mechanism of action. Performance.

42. The choice of filling materials in the treatment of caries in permanent teeth of children in different age periods.
43. Treatment of acute deep caries in temporary and permanent teeth in children. The technique, choice of drugs, their mechanism of action.
44. decompensated form of dental caries in children. Causes of diagnosis, tactics children's dentist. The treatment plan.
45. General treatment of dental caries in children. Indications, characteristics of drugs used.
46. Preventive sealing in the treatment of caries in permanent teeth of children. Method of implementation and dental materials used.
47. Errors and complications in the treatment of dental caries in children. Their prevention and elimination.
48. Classification of non-carious lesions of teeth MI Hroshkovym, T. Vinogradova.
49. System hypoplasia of the enamel. Causes of. Symptoms, diagnosis, differential diagnosis and treatment.
50. Local hypoplasia of the enamel. Causes of. Symptoms, diagnosis, differential diagnosis, treatment and prevention.
51. fluorosis. Causes of. Classification of fluorosis. Characteristics of the main clinical forms of fluorosis. Treatment and prevention.
52. Hereditary Defects of dental hard tissues: amelogenesis imperfect, imperfect dentinogenesis syndrome Steyntona-Kapdepona. Symptoms, diagnosis, treatment strategy.
53. Differential diagnosis of early forms of caries, hypoplasia and fluorosis of permanent teeth in children.
54. Development and anatomical and histological structure of dental pulp.
55. Morpho-functional features of the structure of the pulp temporary and permanent teeth, depending on the stage of development of the tooth.
56. Classification pulpitis. Regularities of pulpitis temporary and permanent teeth, depending on the stage of development of the tooth.
57. The etiology and pathogenesis of pulpitis in children.
58. Peculiarities of acute forms of pulpitis of deciduous teeth in children. Symptoms, diagnosis, differential diagnosis, treatment.
59. Chronic fibrous pulp of deciduous teeth in children. Symptoms, diagnosis, differential diagnosis and treatment.
60. Chronic gangrenous pulpitis of deciduous teeth in children. Symptoms, diagnosis, differential diagnosis and treatment.
61. The main treatment of pulpitis in children. Choice of treatment of pulpitis in temporary and permanent teeth.
62. Devitalna amputation in the treatment of pulpitis of deciduous teeth in children. Indications, methods of execution. Mechanism of action paraformaldehydnoi paste. Characterization and mechanism of action of drugs used to cover the root pulp.

63. Devitalna hysterectomy in the treatment of pulpitis of deciduous teeth in children. Indications, methods of execution. The choice of material for root fillings.
64. Hyperemia of the pulp of permanent teeth in children. Symptoms, diagnosis, differential diagnosis and treatment.
65. Acute pulpitis limited permanent teeth in children. Symptoms, diagnosis, differential diagnosis and treatment.
66. Acute diffuse pulp of permanent teeth in children. Symptoms, diagnosis, differential diagnosis and treatment.
67. Acute suppurative pulpitis of permanent teeth in children. Symptoms, diagnosis, differential diagnosis and treatment.
68. Acute traumatic pulpitis of permanent teeth in children. Symptoms, diagnosis, differential diagnosis and treatment.
69. Chronic fibrous pulp of permanent teeth in children. Symptoms, diagnosis, differential diagnosis and treatment.
70. Chronic hypertrophic pulpitis of permanent teeth in children. Symptoms, diagnosis, differential diagnosis and treatment.
71. Chronic gangrenous pulpitis of permanent teeth in children. Symptoms, diagnosis, differential diagnosis and treatment.
72. pulpitis, periodontitis complicated in children. Symptoms, diagnosis, differential diagnosis and treatment.
73. Biological treatment of pulpitis of permanent teeth in children. Indications, Methods of applied drugs.
74. Welcome amputation in the treatment of pulpitis of permanent teeth in children. Indications, methods of execution, performance criteria. Groups of drugs used during the method.
75. Method vital hysterectomy in the treatment of pulpitis of permanent teeth in children. Indications, methods of implementation, the choice of means and methods of pulp anesthesia
76. Devitalna amputation in the treatment of pulpitis of permanent teeth with immature roots in children. Indications, methods of execution. Choosing devitalizuvalnyh means, their mechanism of action.
77. Devitalna hysterectomy in the treatment of pulpitis of permanent teeth in children. Indications, methods of execution. The choice of materials for root fillings depending on the stage of root formation.
78. Errors and complications in the treatment of pulpitis of deciduous teeth in children. Their prevention and elimination.
79. Errors and complications in the treatment of pulpitis of permanent teeth in children. Their prevention and elimination.
80. The development, structure and functions of the periodontium. Periodontal structure in temporary and permanent teeth with immature root.
81. Zone growth. Its structure, X-ray characterization. Differential diagnosis of chronic periodontitis.
82. The etiology and pathogenesis of periodontitis temporary and permanent teeth in children.

83. Classification of periodontitis. Regularities of periodontitis depending on the period of temporary and permanent teeth.
84. Chronic granulating periodontitis of deciduous teeth in children. Symptoms, diagnosis, differential diagnosis, choice of treatment.
85. exacerbation of chronic granulating periodontitis of deciduous teeth in children. Symptoms, diagnosis, differential diagnosis, choice of treatment.
86. Complications of chronic periodontitis temporary tooth, their radiological characteristics.
87. Acute serous periodontitis permanent teeth in children. Etiology, clinical manifestations, diagnosis, differential diagnosis and treatment.
88. Acute suppurative periodontitis permanent teeth in children. Etiology, clinical manifestations, diagnosis, differential diagnosis and treatment.
89. Acute toxic periodontitis. Causes. Symptoms, diagnosis, differential diagnosis and treatment.
90. Exacerbation of chronic periodontitis permanent teeth in children. Symptoms, diagnosis, differential diagnosis and treatment.
91. Chronic granulating periodontitis permanent teeth in children. Symptoms, diagnosis, differential diagnosis and treatment.
92. Chronic granulomatous periodontitis permanent teeth in children. Symptoms, diagnosis, differential diagnosis and treatment.
93. Chronic periodontitis in permanent teeth with incomplete root formation. Symptoms, diagnosis, differential diagnosis and treatment guidelines.
94. X-ray diagnosis and differential diagnosis of periodontitis temporary and permanent teeth in children.
95. Differential diagnosis of caries and its complications in children in permanent teeth with immature root.
96. Choice of treatment of periodontitis of deciduous teeth in children. Indications and contraindications to conservative treatment.
97. Treatment of chronic periodontitis of deciduous teeth in children. Features of dental equipment in temporary teeth.
98. The treatment of exacerbations of chronic periodontitis in temporary teeth.
99. Modern endodontic instruments. His views, appointment, terms of use.
100. Modern endodontic instrumentation techniques of root canal (standard, crown-down, step-back, balanced forces). Features endodontic procedures in permanent teeth with immature root.
101. Characteristics of the drug for treatment of root canals in the treatment of periodontitis. Indications of their choice. Mechanism of action.
102. Treatment of chronic periodontitis in permanent teeth with incomplete root formation. Methods of control performance prediction.
103. Classification of materials for root fillings. The basic requirements. Indications for choice in child therapy clinic dentistry.
104. Endodontic sealers and gutta-percha. Types, properties and indications for use. Features of root canal filling in permanent teeth with immature roots in children.

105. Method of application of preparations of calcium hydroxide in the treatment of chronic periodontitis in permanent teeth with incomplete root formation.

106. The treatment of exacerbations of chronic periodontitis permanent teeth in children.

107. Errors and complications in the treatment of periodontitis of deciduous teeth in children. Their prevention and elimination.

108. Errors and complications in the treatment of periodontal permanent teeth in children. Their prevention and elimination.