

APPROVED
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Questions for the Pediatric Therapeutic Dentistry Exam for 4th Year Students for the Specialty 1-79 01 07 "Dentistry"

1. Psychological bases of behavior of children and adolescents during dental visits (the concept of stimuli, sensitivity, anxiety formation factors).
2. The behavior management of the children at a dental appointment: preliminary preparation, organization of children's dental reception, the rules of communication with children.
3. Methods and ways to minimize pain in children during dental treatment.
4. Injection anesthesia in dental treatment in children: types, indications, medications.
5. Non-injection anesthesia in dental treatment in children: types, indications, medications.
6. Combined and general anesthesia in dental treatment in children.
7. Anatomical and physiological features of the structure of hard tissues in primary teeth, their impact on the development of dental caries and choice of treatment methods.
8. The anatomical and physiological features of the structure of hard tissues in permanent teeth at different stages of the development, and their impact on the choice of treatment methods.
9. Basic methods of diagnosis of dental caries in children.
10. Additional methods of diagnosis of dental caries in children (vital staining, radiographic methods, laser fluorescence, transillumination and electrometry). Features of performing and interpreting of additional methods in children, such as electro-dental diagnostics and radiography.
11. Features of the clinical course of caries of primary teeth depending on activity of carious process in children.
12. Features of the clinical course of caries of permanent teeth during post-eruption mineralization, depending on activity of carious process in children.
13. Dental caries in early childhood: definition, epidemiology, clinical features.
14. Dental caries in early childhood: prevention and treatment.
15. Caries of enamel of primary teeth: diagnosis, differential diagnosis and treatment methods.
16. Caries of dentine of primary teeth: clinical features depending on course of carious process, diagnosis, differential diagnosis, treatment methods.
17. Methods of treatment of caries of dentine of primary teeth depending on course of carious process: preparation, filling material selection.
18. Caries of enamel of immature permanent teeth: clinical manifestations, diagnosis, differential diagnosis and treatment methods depending on the course of carious process.

19. Caries of dentine of immature permanent teeth: clinical manifestations, diagnosis, differential diagnosis and treatment methods depending on the course of carious process.
20. Anatomical and physiological features of the structure of hard tissue, pulp and periodontal tissues of primary teeth, types of resorption of primary tooth roots.
21. Anatomical and physiological features of structure of hard tissues and pulp of permanent teeth. Stages of tooth root formation. Concept of growth zone.
22. Pulpitis in children: classification according to ICD-10, etiology and pathogenesis.
23. Methods of treatment of pulpitis in primary and immature permanent teeth.
24. Features of clinical course for acute and chronic pulpitis in children.
25. Chronic pulpitis in children: clinic, diagnosis, differential diagnosis.
26. Conservative methods of treatment for pulpitis in children: indications and contraindications, techniques, medications.
27. Treatment of pulpitis of primary tooth by vital pulpotomy: indications, technique, medications, treatment outcomes.
28. Treatment of pulpitis of primary tooth by non-vital pulpotomy: indications, technique, medications, treatment outcomes.
29. Treatment of pulpitis of primary tooth by pulpectomy: indications, technique, medications. Outcomes and prognosis.
30. Treatment of pulpitis of immature permanent tooth in children by vital pulpotomy: indications, technique, medications, treatment outcomes.
31. Treatment of pulpitis of immature permanent tooth in children by non-vital pulpotomy: indications, technique, medications, treatment outcomes.
32. Treatment of pulpitis of immature permanent tooth in children by pulpectomy: indications, technique, medications. Outcomes and prognosis.
33. Emergency care in the treatment of acute pulpitis in primary and permanent teeth in children.
34. Mistakes and complications occurring in the diagnosis and treatment of pulpitis in children.
35. Apical periodontitis in children: classification according to ICD-10, etiology and pathogenesis.
36. Apical periodontitis in children: diagnosis, clinical features.
37. Features of the clinical course of acute and chronic apical periodontitis in children.
38. Conservative treatment of apical periodontitis of primary teeth: indications, stages, technique, medications, treatment outcome.
39. Emergency care in the treatment of acute apical periodontitis in children.
40. Innovative approaches to the treatment of apical periodontitis of immature permanent teeth.
41. Creation of an apical barrier using MTA in immature permanent teeth with non-vital pulp: technique, medications.

42. Apexification: definition, technique, medications, efficacy criteria, treatment outcomes.
43. Regenerative endodontic treatment for immature permanent teeth with non-vital pulp: technique, medications, treatment outcomes.
44. Indications for extraction of primary teeth due to apical periodontitis.
45. Mistakes and complications in the treatment of apical periodontitis in children.
46. The effect of the inflammatory process in apical periodontitis of primary teeth on the germ of a permanent tooth.
47. Traumatic injuries of teeth in children. Etiology, classification according to ICD-10, diagnosis.
48. Examination of children with traumatic injuries of teeth.
49. Tooth luxation in children: clinical features, diagnosis, treatment.
50. Extrusive and intrusive luxation of teeth in children: clinical features, diagnosis, treatment.
51. Avulsion in children: clinical features, diagnosis, treatment.
52. Enamel fracture in children: clinical features, diagnosis, treatment.
53. Enamel-dentine fracture without pulp exposure in children: clinical features, diagnosis, treatment.
54. Enamel-dentine fracture with pulp exposure in children: clinical features, diagnosis, treatment.
55. Root fracture in children: clinical features, diagnosis, treatment.
56. Dental fluorosis (endemic mottling, fluorotic enamel mottling): etiology, classification, clinical manifestations, differential diagnosis, treatment and prevention.
57. Amelogenesis imperfecta: etiology, pathogenesis, clinical manifestations, types, differential diagnosis, treatment and prevention.
58. Dentinogenesis imperfecta: etiology, pathogenesis, clinical manifestations, types, differential diagnosis, treatment and prevention.
59. Dentine dysplasia, "shell teeth", imperfect odontogenesis: clinical manifestations, differential diagnosis, treatment options and prevention.
60. Osteogenesis imperfecta: etiology, pathogenesis, clinical features, differential diagnosis, treatment and prevention.
61. Molar-incisor hypomineralization: definition, diagnosis, clinical manifestations and complications.
62. Molar-incisor hypomineralization: definition, prevalence, etiology, pathogenesis, pathohistological changes.
63. Molar-incisor hypomineralization: definition, treatment plan, treatment methods for the first permanent molars.
64. Molar-incisor hypomineralization: definition, treatment plan, methods of treatment of permanent incisors.
65. Hypophosphatasia, marble bone disease: etiology, clinical manifestations, differential diagnosis, treatment.

66. Regional odontodysplasia, Turner's tooth: etiology, clinical manifestations, differential diagnosis, treatment and prevention.
67. Enamel hypoplasia of primary teeth (prenatal, neonatal): etiology, clinical manifestations, differential diagnosis, treatment and prevention.
68. Enamel hypoplasia of permanent teeth: etiology, clinical manifestations, differential diagnosis, treatment and prevention.