

SYLLABUS FOR V COURSE EXAMINATION IN PEDIATRIC DENTISTRY

1. Clinical appointment and examination of the child in the dental practice, methods of examination – risk assessment of oral diseases.
2. First dental visit - significance for prevention and treatment of oral diseases.
3. Psychological issues in pediatric dental practice – factors, determining the child's behavior, evaluation of behavior and anxiety of the child.
4. Psychological issues in pediatric dental practice – forms of pharmacological and non-pharmacological management of the child's behavior.
5. Caries of primary and permanent teeth in children - anatomical and morphological characteristics, classification.
6. Caries of primary and permanent teeth in children - methods of examination, clinical characteristics , characteristics of acute and chronic caries lesions, rampant caries.
7. Non-operative treatment of caries in primary and permanent teeth in children, indications, methods and means.
- 8 Operative treatment of caries in primary and permanent teeth in children. Treatment plan, cavity sealers, liners and cement bases (advantages and disadvantages).
9. Operative treatment of caries in primary in children. Cavity form characteristics for dental amalgam and resin materials.
10. Early childhood caries – risk factors, specifics of the clinical characteristics and treatment.
11. Operative caries treatment of permanent teeth in children. Pit and fissure caries. Cavity form characteristics for dental amalgam and resin materials, means for medication. Preventive restorations.
12. Operative caries treatment of permanent teeth in children – approximal caries, characteristics for II class preparations for dental amalgam and resin materials.
13. Operative caries treatment of permanent teeth in children- frontal teeth caries. Characteristics for III, IV and V class preparations for dental amalgam and resin materials.
14. Secondary caries at primary and permanent teeth in children. Diagnostics, prevention and treatment.

15. Pulpitis in primary and permanent teeth in children - anatomical and morphological characteristics, etiology, pathogenesis, examination methods.
16. Pulpitis in primary teeth. Classification, clinical characteristics, specifics. Possibilities for biological and vital treatment, mortal amputation - pharmacodynamics of the used materials. Mortal extirpation – indications.
17. Pulpitis in permanent teeth in children. Classification, clinical characteristics, main symptoms in acute and chronic pulpitis, symptomatic features of pulpitis in permanent teeth with incomplete root development.
18. Biological treatment methods of pulpitis in permanent teeth in children – direct and indirect pulp capping – indications, methods of conduct – expected results. Calcium-hydroxide agents- types, mechanism of action.
19. Vital methods of pulpitis treatment of permanent teeth in children. Vital amputation /pulpotomy/ , vital extirpation – indications for application, technique. Treatment of teeth with incomplete root development - expected results.
20. Mortal methods for treatment of pulpitis in permanent teeth in children – mortal extirpation – indications for application, technique, root canal filling materials. Contemporary methods for preparation and root canal filling.
21. Periodontal diseases in primary and permanent teeth in children - characteristics of periodontal tissue in children, classification.
22. Periodontitis of primary and permanent in children. Etiology, classification, clinical characteristics, specifics.
23. Treatment of periodontitis in primary teeth – indications, methods and means.
24. Treatment of periodontitis of permanent teeth in children. Technique, emergency treatment. Contemporary methods for preparation and root canal filling.
25. Treatment of periodontitis of permanent teeth in children. Treatment of teeth with necrotic pulp and incomplete root development – multi and one- stage apexification.
26. New clinical protocol in endodontic treatment of permanent teeth with incomplete root development in children.
27. Traumatic injuries of primary and permanent teeth. Prevalence, etiology, classification, methods of examination.
28. Traumatic injuries of primary teeth - clinical characteristics and treatment of different types of trauma.

29. Traumatic injuries of permanent teeth in children – Contusio dentis, Luxatio dentis/Lateral, Intrusio, Extrusio dentis/ , Expulsio dentis - clinical characteristics and treatment.
30. Fracture of hard dental tissues in permanent teeth without pulp exposure, clinical characteristics and treatment – techniques for restoration.
31. Fracture of hard dental tissues in permanent teeth with pulp exposure, clinical characteristics and treatment. Root fracture.
32. Complications after trauma of primary and permanent teeth.
33. Extraction of primary teeth – indications, anesthesia /premedication, anesthesia/, technique and postoperative care
34. Enamel dysplasia /hereditary, congenital and acquired/ - clinical characteristics and treatment.
35. Dentinal dysplasia – types. Odontogenesis. Dischromasia. Clinical characteristics and treatment.
36. Molar incisor hypomineralisation – risk factors, diagnostics and treatment.
37. Diseases of the periodontal ligament in children – classification, methods of examination – clinical and radiographic.
38. Diseases of the periodontal ligament in children – classification, methods of examination – index systems, periodontal diagnostic categories, assessment of oral risk profile.
39. Gingivitis catarrhalis in children – classification, etiology, pathogenesis, clinical characteristics, methods and means of treatment.
40. Gingivitis hypertrophicans in children – classification, etiology, pathogenesis, clinical characteristics, methods and means of treatment.
41. Plaque-induced gingivitis in children.
42. Ulceronecrotic gingivitis in children - classification, etiology, pathogenesis, clinical characteristics, methods and means of treatment.
43. Diseases of the periodontal ligament in children – aggressive periodontitis – classification, etiology, clinical characteristics and treatment.
44. Diseases of the periodontal ligament associated with systematic diseases – clinical characteristics and treatment.
45. Diseases of the periodontal ligament associated with anomalies in the development or acquired deformations and conditions – clinical characteristics and treatment.

46. Gingivostomatitis caused by mechanical, chemical, thermal and other factors - clinical characteristics and treatment.
47. Local changes in the oral mucosa of infants and children – clinical characteristics and treatment.
48. Gingivostomatitis of viral origin: stomatitis aphtosa – etiology, classification, clinical characteristics and treatment.
49. Recurrent oral herpes - etiology, classification, clinical characteristics and treatment.
50. Gingivostomatitis of viral origin. Gingivostomatitis caused by Varicella virus zoster; coxsackie viruses - clinical characteristics and treatment.
51. Gingivostomatitis of fungal origin, oral candidosis - etiology, classification, clinical characteristics and treatment.
52. Gingivostomatitis associated with dermatosis in children - clinical characteristics and treatment.
53. Gingivostomatitis associated with most common blood disorders in children - clinical characteristics and treatment.
54. Gingivostomatitis associated with systematic factors: Gingivostomatitis associated with gastrointestinal diseases in children - clinical characteristics and treatment.
55. Gingivostomatitis associated with hypovitaminosis - clinical characteristics and treatment.
56. Gingivostomatitis associated with most common endocrinal disorders in children - clinical characteristics and treatment.
57. Diseases of the lips in children – classification, clinical characteristics and treatment.
58. Diseases of the tongue in children – classification, clinical characteristics and treatment.
59. General guidelines for treatment of diseases of the periodontal ligament in children – aim of treatment, forms of early diagnostics, types of treatment.
60. Oral manifestations of the HIV infection in children – prevalence, clinical characteristics and treatment.
61. Jewelry in the orofacial area in children and adolescents – types, incidence and clinical meaning.
62. Dental erosion and abrasion in children.
63. Child abuse and trauma in the orofacial area in children.

64. Oral health in children with respiratory disorders.

65. Oral health in children with diabetes mellitus.

HEAD OF DEPARTMENT: /s/

/Prof. M. Kukleva, DMD, PhD, DMSc/

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