

List of the theoretical questions

for preparing for exam on " Prevention of dental diseases" (III course)

1. Prevention of dental diseases: definition, purpose, types, methods, determination of economic efficiency.
2. Anatomical and physiological features of the structure of the oral cavity in age aspect.
3. Stages of the jaw-facial region development, teeth formation and mucous membrane (oral cavity and periodontium).
4. Periods of development of the temporary and permanent teeth. The impact of the overall health on development of teeth.
5. Signs of the physiological eruption of the teeth in children. Terms of formation, mineralization, eruption of deciduous teeth.
6. The terms of formation and resorption of roots of deciduous teeth. Kinds and types of root resorption of deciduous teeth.
7. Terms of formation, mineralization, eruption of permanent teeth and roots formation.
8. Factors of embryonic and postembryonic periods affecting the formation and mineralization of teeth.
9. Role of heredity and environmental factors in the development of caries and non-carious lesions.
10. The review algorithm dental patient.
11. Dental formula. Clinical Record (for graphic and digital systems ambiguous) and anatomical dental formula.
12. Anatomical and topographical features of temporary and permanent teeth in children. Differences from regular temporary teeth.
13. The method of dental examination by WHO. Map WHO and its characteristics. Assessment results.
14. Pelikula, soft plaque, plaque. Their role in the pathogenesis of dental caries and periodontal diseases.
15. Dental deposits. Their role in the pathogenesis of dental caries and periodontal diseases.
16. Hygienic indexes. Evaluation of the hygienic condition of the oral cavity by Fyodorov- Volodkinoyu, Green Vermilonom, Silnes-Lo.
17. Methods for cleaning teeth. Controlled brushing in organized children's groups.
18. Subjects oral hygiene. Classification. Indications.
19. Hygiene oral care. Classification, physical and chemical properties. Indications.
20. The choice of subjects and oral hygiene dental depending on status.

21. Professional oral hygiene, methods and equipment.
22. Hygienic training and education. Organization. Methods.
23. The enamel of the tooth. Histological structure, chemical composition, physical properties. "Maturing" enamel after eruption of the tooth.
24. Immature enamel as possible cariesogenic factor. Methods and tools for preventive impact.
25. The structure and biological properties of dentin.
26. Homeostasis hard tissues after the eruption. Mechanisms of regulation.
27. Biological properties of pulp. Modern understanding of the metabolic processes in the enamel and pulp of the tooth.
28. Saliva. Its composition, properties and role in the "maturation" of enamel and in maintaining homeostasis of hard tissue of teeth.
29. The oral microflora. Its physiological importance, impact on the development of caries and periodontal diseases. Methods and means of prevention of pathological effects.
30. Epidemiology of major dental diseases. Epidemiological surveys in dentistry. Stages.
31. The prevalence and intensity of dental caries in children. Effects of climatic, geographic, socio-economic and environmental factors on the prevalence and intensity of dental caries in children.
32. Indices of caries.
33. Determination acid stability of enamel.
34. Cariesogenic situation in the mouth. Factors that lead to its development, their detection and elimination.
35. Carbohydrates in the pathogenesis of dental caries. The mechanism of action. Methods of prevention.
36. Scientific rationale for the primary prevention of dental caries.
37. Protective mechanisms of mouth. Their role in the prevention of dental caries, periodontal diseases.
38. Periodontal: definition, structure. General and local etiological factors of periodontal diseases.
39. Indexed assessment of periodontal (CPI, PMA, PI, Schillera - Pysaryeva test).
40. Health education in the system of comprehensive prevention of dental diseases. The main forms of health education work with various contingents of the population.
41. Fluoride impact of failure and excess fluoride in drinking water for the development of the pathology of hard tissue of teeth and periodontal tissues.
42. Components of the preparatory period of primary prevention of caries. Their characteristic.

43. Methods and means of exogenous prevention of dental caries in children.
44. Value of calcium, phosphorus and fluoride in caries prevention system exogenous. Calcium, phosphorus and fluoride, mechanism of action.
45. Methods and means of endogenic caries prevention during tooth formation (in pregnant and lactating women).
46. Exogenous preventive dental fluoride preparations. Methods of performance evaluation. The mechanism of action.
47. Sealing of fissures as a method of prevention of dental caries, indications, techniques.
48. Sealing: classification, structure, properties.
49. Types and methods of endogenous prevention of dental caries in children. Planning prevention of dental caries, depending on the severity of factors cariesogenic situation. Interaction with the pediatrician.
50. Ways income and fluorine richness of the human body. The content of fluoride in drinking water. The mechanism of action of fluoride caries prevention.
51. The need for macro- and micronutrients, vitamins for kids of all ages. Modern medicines that contain macro- and micronutrients, vitamins for children of all ages.
52. Types of exogenic prevention of dental caries in children of all ages. Monitoring the effectiveness of exogenous caries prevention.
53. Means for the local prevention of caries, purpose, methods of use.
54. Etiopathogenetical main factors of periodontal diseases in children of all ages and ways of prevention. Methods of prevention of periodontal diseases. Medications used for the prevention of periodontal diseases.
55. Use of oral hygiene for prevention of periodontal diseases. Appointment facilities for hygienic oral care for diseases of the periodontal tissues.
56. Childrens regular visits to the dentist as the primary method of implementing primary prevention. The principles, organizational forms, stages of clinical examination. Methods of forming dental clinical groups.
57. Breastfeeding. His role in the prevention of dental diseases.
58. The role of nutrition in the prevention of tooth decay.
59. The role of somatic diseases pregnant woman and child in the genesis of caries. The role of the dentist, pediatrician, gynecologist in the primary prevention of dental caries in children. The organization and methods of implementation.
60. The complex system of prevention of dental caries. Key elements of the program. Criteria for evaluating the effectiveness of the program of prevention of dental caries and periodontal diseases.
61. Organization of complex prevention of dental caries. State, group and individual levels of implementation.
62. Individual prevention of periodontal diseases. Means and items of hygiene,

methods of their application.

63. Modern principles of organization and methods of prevention of dental diseases.

64. Planning, organization and implementation of preventive measures in organized children's groups.

65. Analysis and assessment of the effectiveness of primary prevention of dental caries and periodontal diseases.

66. Sanitary dental education - motivation of the population to support oral health.