|  | Department of odontology, periodontology and oral pathology ”Sofia sÎrbu” | REД.: | 1 |
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**Questions for the exam**

**IV year**

**Clinical Periodontology**

1. Marginal periodontium. Definition. Structure. Functions.
2. Superficial periodontium. Definition. Structure.
3. Supporting periodontium. Defiinition. Structure.
4. Biomechanics of the teeth. Definition of hypomoclion.
5. The role of the tooth biomecanics in the initial stage and development of periodontal disease.
6. Gingiva. Types of gingiva.
7. Clinical signs of the healthy gingiva (colour, texture, consistency).
8. Gingival papilla, the structure and functions.
9. Free marginal gingiva, the structure and functions.
10. Attached gingiva, the structure and functions.
11. Periodontal ligament (PDL).
12. Cementum. the structure, and functions.
13. Alveolar socket bone.
14. Alveolar supporting bone. Cortical and spongious bone.
15. Definition of bone resorbtion and apposition.
16. Gingiva. The gingiva connective tissues structures and epithelium.
17. Oral epithelium. The structure and functions.
18. Sulcular epithelium. The structure and functions.
19. Junctional epithelium (JE). Structure. Function. Composition. Role in development of periodontal disease.
20. Blood supply and innervation of periodontium.
21. Gingival crevicular fluid. The composition and functions.
22. Gingival fibers. The types of gingival fibers. Description of morphology and function of : (circular fibers, dentogingival fibers, dentoperiosteal fibers, alveologingival fibers.)
23. Gingival sulcus. Definition. Structure. Composition.
24. Biologic width. Definition. Measurements.
25. Periodontal instruments for examination.
26. Measurements of periodontal pockets. Clinical and paraclinical methods. Florida probe.
27. Tooth Mobility. Physiological mobility. Pathological mobility. Miller’s classification.
28. Periodontal examination. Periodontal status.
29. Clinical criteria of evaluation during a periodontal exam. (level of free gingival margin, pocket depth, loss of attachment, mobility, bleeding, exsudate)
30. Bleeding on probing (BOP).
31. Periodontal pocket. Definition. Structure and composition.
32. Measurement of pocket depths. Methods and instruments.
33. Periodontal chart. Method of completing the chart and instruments.
34. Radiographic examination. Methods of evidence of bone loss.
35. Furcation lesions. Definition and classifcation. Evaluation. Glickman furcation classification.
36. Dental plaque. Definition. Ethiology. Plaque indexes.
37. Stages of development of the plaque.
38. Supragingival plaque. Ethiology. Composition.
39. Subgingival plaque. Ethiology. Composition.
40. Biofilm formation, structure and stages. Acquired pellicle. Reversible adhesion. Irreversible adhesion.
41. Bacteria associated with periodontal disease.
42. Dental calculus. Definition. Classification.
43. Dental calculus. Mineral composition of the dental calculus.
44. Dental calculus. Organic composition of the dental calculus.
45. Stages of dental calculus formation.
46. Supragingival dental calculus. Ethiology. Composition. Role in development of periodontitis.
47. Subgingival dental calculus. Ethiology. Composition. Role in development of periodontitis.
48. Dental calculus indexes. Methods of determination.
49. Manual methods and techniques, of removing dental calculus.
50. Instruments used for removing dental calculus.
51. Periodontal curretes. Classification, indications of usage.
52. Gracey’s curretes. Classification, indications and methods of usage.
53. Universal curretes. Classification, indications and methods of usage.
54. Gingival curretage. Indications. Method and techniques.
55. Scalling and root planning.
56. Methods of dental calculus removal by using power driven scalers.
57. Types of power driven scalers. Sonic and ultrasonic scalers. (Ultrasonic magnetostrictive scalers, ultrasonic piezoelectric scalers). Mechanism of action.
58. Power driven scalers. Indications.
59. Contraindications of ultrasonic scalling. Preacautions measures.
60. Air-flow. Defintion. Indications, contraindications. Method and techniques of usage.
61. Ethiological factors in development of periodontal disease (Local and general factors).
62. Contributing factors in development of periodontal disease. (Local and general factors).
63. Food impaction. Open and loose contacts. Overhanging margins of restorations and improperly designed prosthesis.
64. Violation of biological space.
65. Tooth brush trauma. Gingival recessions. Miller’s classification.
66. Occlusal trauma. Definition.
67. Primary oclusal trauma. Definition.
68. Secondary oclusal trauma. Definition.
69. Bruxism. Definition. Sings and symptoms.
70. Teeth mobility. Grades of mobility.
71. Radiographic signs of trauma from occlusion. (Widening of periodontal ligament space. Possible thickening of lamina dura. Angular bone loss and infrabony pocket formation. Root resorption. Hypercementosis.)
72. Splinting methods and techniques ( temprorary and permanent) in treatment of periodontal disease.
73. Oclusal splinting. Indications. Method and techniques.
74. External/Vestibular splinting. Indications. Method and techniques.
75. Oclusal guards. Indications.
76. Intracoronal splints. Indications.
77. Findings associated with excessive occlusal forces.
78. Selective Grinding. Definition. Techniques and methods of selective ginding. Contraindications of selective grinding in the natural dentition.
79. Gingivitis. Definition. Ethiology. Pathogenesis. Classification.
80. Clinical criteria used for diagnosing gingivitis. (Color, contour, consistency of the gingival tissue.)
81. Stages of disease in developing gingivitis. Incipient stage. Developing stage. Chronic stage.
82. The role of B-cells, T-Cells, Cytokines, IgG, Ig A , and IgM in development stages of gingivitis.
83. Initial lesion of gingivitis. Early lesion of gingivitis. Chronic lesion of gingivitis. Advanced lesion of gingivitis.
84. Phases of Acute Inflammation. Vascular phase.
85. Gingivitis in pregnancy. Clinical signs, diagnosis. Treatment.
86. Plaque-induced gingivitis. Definition. Diagnosis. Clinical picture. Treatment.
87. Chronic gingvitis. Forms and clinical picture.
88. Hypertrophic gingivitis. (Plaque-induced, specfic –induced by local and general ethiological factors). Definition. Diagnosis. Clinical picture. Treatment.
89. Descuamative gingivitis. Definition. Diagnosis. Clinical picture. Treatment.
90. Ulcero-necrotic gingivits. Definition. Diagnosis. Clinical picture. Treatment.
91. Fibromatosis gingivitis. Hereditary gingivofibromatosis. Definition. Diagnosis. Clinical picture. Treatment.
92. Hypertrophic gingivitis. Drug induced hyperplasya. Definition. Diagnosis. Clinical picture. Treatment.
93. Periodontitis. Definition. Classification. Histopathological features of periodontitis.
94. Incipient early periodontitis. Definition. Clinical and paraclinical signs. Diagnosis and treatment.
95. Moderate periodontitis. Definition. Clinical and paraclinical signs. Diagnosis and treatment.
96. Advanced periodontitis. Definition. Clinical and paraclinical signs. Diagnosis and treatment.
97. Aggressive periodontitis. Definition. Clinical and paraclinical signs.
98. Aggressive periodontitis, localized form: clinical, paraclinical sings.
99. Aggressive periodontitis, localized form: Diagnosis. Treatment.
100. Aggressive periodontitis, generalized form: clinical, paraclinical sings.
101. Aggressive periodontitis, generalized form: Diagnosis. Treatment.
102. Dentinal hypersesibility. Symptoms and treatment.
103. Radiological changes in incipient early periodontitis.
104. Radiological changes in moderate periodontitis.
105. Radiological changes in advanced periodontitis.
106. Acute necrotizing ulcerative periodontitis. Definition. Diagnosis and treatment. Differential diagnosis.
107. Periodontal abcess. Definition.
108. Pericoronitis (operculitis). Definition. Clinical signs. Treatment.
109. First stage, evolution and symptoms of the periodontal abcess.
110. Periodontal abcess. Emergency treatment methods.
111. Endo-periodontal abcess. Defintion. Signs and symptoms.
112. Treatment of endo-periodontal abcess.
113. Apical periodontal cyst. Definition. Localization.
114. Chronic marginal periodontitis treatment plan (stages).
115. The initial stage in the treatment of chronic marginal periodontitis (components – odontal, periodontal, surgical, orthopedic, general treatment).
116. Corrective stage in the treatment of chronic marginal periodontitis (surgical, orthopedic).
117. Maintenance treatment (local and general).
118. Local treatment of periodontal disease. Definition. Methods.
119. Antiseptic, antimicrobial solutions used in treatment of periodontal disease.
120. Medicinal remedies used in the treatment of periodontal disease.
121. Periodontal surgery. Minimal surgical kit for periodontal surgery.
122. Objectives of periodontal surgery.
123. Local and general contraindications of periodontal surgery treatment of generalized periodontitis.
124. Gingivoplasty. Definition. Technique. Indications. Contraindications.
125. Gingivectomy. Definition. Technique. Indications. Contraindications.
126. Frenectomy. Definition. Techniques. Indications. Contraindications.
127. Frenuloplasty. Definition. Techniques. Indications. Contraindications.
128. Alveolar bone loss by dehiscence. Root exposure.
129. Fenestration. Definition. Clinical signs. Treatment.
130. Definition of horizontal bone loss. Radiologic picture.
131. Definition of vertical bone loss. Radiologic picture.