**Questions**

1. Endodontics. General notions. The purpose of endodontics.
2. Endodontics. The tasks of endodontics. Criteria favoring the success of endodontic therapy.
3. Endodontics. Diagnostic methods in endodontics. Criteria favoring the success of endodontic therapy.
4. Pulp chamber notions.
5. Topographic data of the coronary cavity of the tooth (roof, floor and walls).
6. Topographic data of root canals (main canal, ramifications).
7. Topographical data of the apical area: radiological apex, anatomical apex, apical constriction (minor apical diameter), foramen apical (major apical diameter), cement-dentinal junction.
8. Types of apical constrictions after Петрикас și Овсепян (1997).
9. Classification of canal morphotypes after Ingle (1976), Weine (1989).
10. Classification of canal morphotypes after Vertucci (1984).
11. Factors generating changes in tooth cavity structure, including those of the age.
12. The peculiarities of the pulp cavity topography of the maxillary central incisors. Election points for trepanation and the shape of the access cavity for the upper central incisors.
13. The peculiarities of the pulp cavity topography of the mandibular central incisors. Election points for trepanation and the shape of the access cavity for the lower central incisors.
14. The peculiarities of the pulp cavity topography of the maxillary lateral incisors. Election points for trepanation and the shape of the access cavity for the upper lateral incisors.
15. The peculiarities of the pulp cavity topography of the mandibular lateral incisors. Election points for trepanation and the shape of the access cavity for the lower lateral incisors.
16. The peculiarities of the topography of the cavity pulp of the maxillary canine. Election points for trepanation and the shape of the access cavity for the upper canine.
17. The peculiarities of the topography of the cavity pulp of the mandibular canine. Election points for trepanation and the shape of the access cavity for the lower canine.
18. The peculiarities of the topography of the pulp chamber of the first maxillary premolars. Election points for trepanation and the shape of the access cavity for the upper first premolars.
19. The peculiarities of the topography of the pulp chamber of the first mandibular premolars. Election points for trepanation and the shape of the access cavity for the lower first premolars.
20. The peculiarities of the topography of the pulp chamber of the second maxillary premolars. Election points for trepanation and the shape of the access cavity for the upper second premolar.
21. The peculiarities of the topography of the pulp chamber of the second mandibular premolars. Election points for trepanation and the shape of the access cavity for the lower second premolar.
22. The peculiarities of the topography of the pulp chamber of the maxillary first molars. Election points for trepanation and the shape of the access cavity for the upper first molars.
23. The peculiarities of the topography of the pulp chamber of the mandibular first molars I. Election points for trepanation and the shape of the access cavity for the lower first molars.
24. The peculiarities of the topography of the pulp chamber of the maxillary second molars. Election points for trepanation and the shape of the access cavity for the upper second molars.
25. The peculiarities of the topography of the pulp chamber of the mandibular second molars. Election points for trepanation and the shape of the access cavity for the lower second molars.
26. The peculiarities of the topography of the pulp chamber of the maxillary and mandibular third molars. Election points for trepanation and the shape of the access cavity for the upper and lower third molars.
27. Instruments used for endodontic access.
28. Differences in the topography of the pulp chamber of the maxillary and mandibular incisors.
29. Differences in topography of the pulp chamber of maxillary canines and mandibular canines.
30. Differences in topography of the pulp chamber of the maxillary premolars and mandibular premolars.
31. Differences in topography of the pulp chamber of the maxillary molars and mandibular molars.
32. Pulp vitality tests.
33. Thermal pulp vitality tests. Cold test. Heat test.
34. Electric pulp vitality tests.
35. Pulp vitality tests. Mastication test.
36. Pulp vitality tests. The exploratory drilling test.
37. Pulp vitality tests. Selective anesthesia test.
38. Radiological examination.
39. Local anesthesia in endodontics.
40. Techniques, materials and substances used to maintain pulp vitality.
41. Indirect pulp capping. Objectives.
42. Indirect pulp capping materials.
43. Indirect pulp capping technique.
44. Direct pulp capping. Indications and contraindications.
45. Conditions of application of the direct pulp capping technique.
46. Notions of amputation and vital extirpation, notion of pulpotomy.
47. Indications and contraindications of vital pulpotomy.
48. Advantages and disadvantages of vital pulpotomy.
49. The technique of vital pulpotomy.
50. Methods of vital pulp extirpation.
51. The notion of devitalization of the pulp.
52. The remedies used for pulp devitalization.
53. Mechanism of action of arsenic acid and formaldehyde based pastes.
54. The stages of applying the devitalizing paste.
55. Methods of nonvital extirpation of the pulp. Notion.
56. Stages of nonvital pulp extirpation.
57. Classification of endodontic instruments by ISO-FDI.
58. Classification of endodontic instruments by: instrument designation, method of manufacturing.
59. Classification of endodontic instruments by the material from which they are manufactured, instrument flexibility, tool length.
60. Coding of endodontic instruments according to size.
61. Classification of endodontic instruments by the shape of the active part and the tip of the instrument, the taper, the way of using the instruments.
62. The dimensions of endodontic instruments according to ISO.
63. Color coding of the endodontic instruments.
64. Standardization of endodontic instruments by ISO. Symbols by ISO.
65. Stainless-steel rotary instruments.
66. Ni-Ti Rotary Instrument.
67. Endodontic handpieces.
68. The definition of the working length in the root canal, the length of the tooth.
69. Methods of determining the working length of the root canal.
70. Classification of the methods of determining the working length of the root canal.
71. Calculated length of tooth and root.
72. Tactile method of determining the working length of the root canal.
73. Radiological method of determining the working length of the root canal.
74. Clinico-radiological method of determining the length of the root canal. Technique. Instruments.
75. The Dieck process of determining the working length of the root canal.
76. Electronic methods of determining the working length of the root canal. Advantages, disadvantages. Indications.
77. Electronic methods of determining the working length of the root canal. Indications. Instruments. Devices.
78. Handling of the endodontic intruments.
79. Manually enlargement of the root canal.
80. Rules for instrumental processing of the root canal.
81. Reaming.
82. Filling.
83. Recapitulation.
84. Method of chemical expansion of root canals.
85. Remedies for chemical widening of root canals.
86. Manual widening techniques: classique technique
87. Manual widening techniques: step-backs technique
88. Manual widening techniques: balanced force technique
89. Manual widening techniques: step-down/crown-down technique
90. Rules of the rotary widening of root canals.
91. System of the Ni-Ti Rotary burs.
92. Types of rotary movements: continuous rotation.
93. Universal ProTaper system.
94. Profile system.
95. ProTaperNext system.
96. WaveOne system.
97. Irrigation solutions: sodium hypochlorite.
98. Irrigation solutions: EDTA, iodurate solutions, chlorhexidine digluconate, citric acid.
99. Irrigation techniques and protocols.
100. Requirements and Functions of Irrigants.
101. Choice of Irrigation solutions.
102. Ultrasonic irrigation.
103. Methods of irrigation.
104. Irrigation medicaments.
105. Filling Materials.
106. Classification and requirements for radicular filling materials.
107. Solid filling materials: gutta-percha.
108. Zinc oxide and eugenol based sealers.
109. Mineral trioxide aggregate based sealers.
110. Epoxy resins based sealers.
111. Root canal filling. The importance of canal filling.
112. Root canal filling. The apical limit of the canal filling.
113. Root canal filling techniques. Classification.
114. Technique of root canal filling with one cone. Operating stages. Instruments, materials.
115. Lateral compaction technique. Tools, materials.
116. Vertical compaction technique. Operator Times. Instrument, materials.
117. Obturation of root canals with Thermafill technique, Gutacore. Operating stages. Instruments.
118. Retreatment. Decision factors.
119. Stages of orthograde retreatment. Access.
120. Trepanation or removing coronary obstruction or crowns.
121. Removal of corono-root devices.
122. Removal of existing coronary materials from canals.
123. Removal of coronary reconstruction materials from the pulp chamber.
124. Removal of endodontic obturation material.
125. Solvents for sealants.
126. Classification of errors and complications in endodontic treatment.
127. Accidents in root canal enlargement.
128. Root blockages. Causes. Treatment.
129. Ledges. Causes. Treatment.
130. Fenestration. Causes. Treatment.
131. Apical transport. Causes. Treatment.
132. Fracture of instruments in canals. Causes. Treatment.
133. Treatment of accidents.
134. Incomplete anesthesia. Causes. Treatment.
135. Incorrect endodontic access. Causes. Treatment.
136. Possible errors (the perforation of the floor and the wall of the pulp chamber, the fracture of the wall). Perforation of root canal walls.
137. Underfilling. Causes. Consequences. Treatment.
138. Overfilling the root canal. Causes. Consequences. Treatment.
139. Root fracture. Causes. Treatment.
140. Inhale of foreign objects. Causes. Treatment.
141. Swallowing instruments. Causes. Treatment.
142. Emphysema of the soft parts. Causes. Treatment.
143. Intracanal haemorrhage. Causes. Treatment.
144. Methods of preventing accidents in endodontic therapy.
145. Clinical examination. Anamnesis. Medical and dental anamnesis.
146. General clinical examination.
147. Clinical loco-regional examination.
148. Exooral and endooral clinical examination.
149. Clinical examination of the soft parts.
150. Clinical examination of dental arches.
151. Clinical examination. Complementary examinations.