

STATE FINAL EXAMINATION (CERTIFICATION)

1. Etiology and pathogenesis of tooth caries.
2. Classification and pathomorphology of tooth caries.
3. Clinical and differential diagnosis of tooth caries.
4. Early diagnosis of tooth caries - clinical features and non operative treatment.
5. Dentine wound – types, main characteristics and treatment.
6. Non-aesthetic restorative materials – types, chemical composition, physical properties, indications and contraindications.
7. Aesthetic restorative materials - types, chemical composition, physical properties, indications and contraindications.
8. Asepsis and antiseptics in operative dentistry.
9. Factors, determining the borders of cavity preparations.
10. Class I cavity preparations for non aesthetic plastic restorative materials. Main configurations and characteristics.
11. Class V cavity preparations for non aesthetic plastic restorative materials. Main configurations and characteristics.
12. Class II cavity preparations for non aesthetic plastic restorative materials.
13. Cavity preparation for indirect restorations.
14. Class III cavity preparations for aesthetic plastic restorative materials. Main configurations.
15. Class IV cavity preparations for aesthetic plastic restorative materials. Main configurations.
16. Class V cavity preparations for aesthetic plastic restorative materials. Main configurations.
17. Class I and II cavity preparations for aesthetic plastic restorative materials.
18. Clinical procedures preparing the patient for definitive restoration.
19. Biomechanical problems of different cavity preparations.
20. Restorative technique for dental amalgam.
21. Restorative technique for cast metal restorations.
22. Restorative technique for aesthetic restorations.
23. Anaesthesia in cariology and endodontology.
24. Pins.
25. Secondary caries lesions.
26. Tooth hyperaesthesia.
27. Non caries lesions – erosion, fluorosis,
28. Clinical presentation and diagnosis of acute pulpitis.
29. Clinical presentation and diagnosis of chronic pulpitis.
30. Reversible and irreversible pulpal diseases. Clinical presentation and prognosis.
31. Clinical presentation and diagnosis of acute periodontitis.
32. Clinical presentation and diagnosis of chronic and reactivated periodontitis.
33. Difficult differentiation diagnoses in endodontics.
34. Endodontic cavity preparation, pulpal removal, enlargement of orifices.
35. Cleaning and shaping of root canal system.
36. Endodontic mishaps: detection, correction and prevention.
37. Obturation of root canal system.

38. Post systems. Types, biomedical problems. Indications and contraindications. Placement technique.
39. Vital pulp therapy.
40. Vital methods for pulp treatment.
41. Microbiology of endodontics – bacteria, cultured from root canals. Bacteroides sp. Collection of microbial sample.
42. Microbiology of endodontics – ways of bacterial invasion in pulp and periodontal tissues. Main characteristics of microorganisms.
43. Tooth bleaching.
44. Criteria and methods for evaluation of endodontic treatment.
45. Retreatment in endodontics.
46. Restoration of the endodontically treated tooth.
47. Emergency endodontics.
48. Endodontic surgery.

DENTAL PHYSIOTHERAPY

1. Electric pulp testing procedures in cariology and endodontics.
2. Physiotherapy in extirpation methods for pulpal disease treatment.
3. Physical methods for treatment of gangrene and periapical lesions.
4. Physical methods for treatment of infected root canals.