

1. Dental pulp – histology, defense mechanism of dental pulp, pulpal pathology, histopathological classification of pulpal diseases.
2. Pulpitis – histopathological and clinical classification.
3. Diagnosis in endodontics incl. radiography
4. Vital pulp therapy – procedures, indication, contraindication. Treatment step by step.
5. Root canal treatment – phases
6. Access – principles, procedure step by step, instruments.
7. Hand instruments for endodontics, techniques and methods of the root canal shaping using hand instruments.
8. Importance of radiography in endodontics. Working length
9. Power driven endodontics – instruments, devices, basic principles of instrumentation.
10. Root canal shaping using power driven instruments step by step
11. Irrigation of the root canal, medicaments and chemicals in endodontics
12. Root canal filling . materials
13. Root canal filling – methods – description.
14. Complication of root canal treatment and their prevention
15. Root resorptions – classification, treatment
16. Surgery in endodontics
17. Pulpitis – reasons, classification, symptomatology, treatment
18. Periodontitis- reasons, classification, symptomatology, treatment
19. Preendodontic treatment
20. Postendodontic treatment
21. Orofacial pain – differential diagnosis (odontogenic and non odontogenic origin)
22. Retreatment – indications, contraindications, description of the procedure
23. Bioactive materials in endodontics
24. Ultrasound in endodontics

The question will be chosen randomly

The principle of the exam is a discussion and case study (student will solve a simple problem: Patients history, chief complaint and x ray will be discussed.