1. Morphology of hard dental structures (enamel, dentine, cement)
2. Non-carious tooth lesions (aetiology, classification, diagnosis and therapy)
3. Dental caries (aetiology and diagnosis)
4. Classifications of dental caries
5. Caries risk assessment
6. Caries treatment planning
7. Tooth trauma – diagnosis and classification
8. Dental instruments
9. Dry working field (rubber-dam placement)
10. Pulp protection
11. Pulp protection materials
12. Direct pulp capping
13. Indirect pulp capping
14. Cavity base materials
15. Glass ionomer cements – composition and setting
16. Glass ionomer cements – classification and features
17. Glass ionomer cements – clinical application
18. Dental amalgams – composition and classification
19. Amalgamation reaction
20. Physical properties of dental amalgams
21. Amalgam restorations – Black’s classification and cavity design
22. Adhesive systems – composition and classifications (by solvent type, by interaction with dental tissue, by number of components)
23. Smear layer
24. Hybrid layer
25. Clinical application of adhesive systems
26. Universal adhesives
27. Composite materials – composition and classification
28. Polymerisation of composite materials – chemical, light and dual-cure
29. Polymerisation shrinkage and stress
30. Bulk-fill composite materials – classification and general features
31. Light-curing units
32. Direct composite restorations – cavity design, bevelling, material application
33. Indirect restorations – classification, cavity preparation, cementation
34. Minimal invasive restorations of initial lesions
35. Restoration repair
36. Whitening of vital teeth – indications, contraindications,
37. Whitening of vital teeth - active ingredients for teeth whitening and clinical procedures