

Preclinical dentistry - Examination areas

IIInd year, winter semester

1. Examination of a patient in dentistry, documentation in dentistry
2. Predilection locuses of dental caries, clinical classification of dental caries
3. Congenital and acquired defects of hard dental tissues
4. General principles of preparation (conservative, prosthetic)
5. Devices and instruments intended for the preparation of hard dental tissues
6. Caries close to the pulp. Indirect / direct dental pulp coping
7. Dental amalgams
8. Class I caries according to Black classification
9. Class II caries according to Black classification
10. Class III and IV caries according to Black classification
11. Class I and V defects and caries according to Black classification
12. Dry field/Moisture control in dentistry
13. Dental materials - main and auxiliary
14. Bases and sub-bases materials
15. Composite resins
16. Glass ionomer cements, Compomers
17. Teeth/dentition as complex, anatomy and morphology of individual teeth
18. Anatomical conditions of the pulp cavity and root canals, dental pulp function, dental pulp disease
19. Wax up / Mock up
20. Chewing apparatus as a complex
21. Temporomandibular joint

1. Basic gnatological terms
2. Principles and procedure of preparation for fixed restorations
3. Impression materials
4. Retraction in dentistry, Impression methods in dentistry
5. Choice of impression tray and method of impression. Principles of disinfection and transport of impressions
6. Possibilities of registration of interjaw relations in toothed, partially toothed and toothless patient, bite plates/occlusal rims
7. Model materials - dental plaster, die cast
8. Possibilities of completion of the tooth core /build up/ before indirect treatment, direct/indirect post and core, adhesive builds up of the tooth core
9. Temporary restorations, stamping and shell technique for making crowns and bridges
10. Faceted / combined crown
11. Full crown /one material/
12. Fixed bridge
13. Adhesive bridges and splints
14. Pontics /dental bridges/
15. Casting technique and other possibilities of alloy processing in dental laboratory, molding/investments materials
16. Dental alloys
17. Dental ceramics
18. Dental polymers
19. Crown materials for indirect replacement
20. Fixation of indirectly made replacements
21. Basic classification of dental arch defects