

1. Gnathology: definition, fields
2. Components of the stomatognathic system
3. Measurements points and reference planes on the skull and their clinical significance
4. Functional anatomy of the temporomandibular joint
5. Specified positions of the mandible: rest position
6. Specified positions of the mandible: intercuspal position
7. Specified positions of the mandible: centric relation
- 8 Specified positions of the mandible: centric occlusion
9. Retruded contact position and its clinical significance. RCP-ICP shift
10. Basic movements of the temporomandibular joint: rotation
11. Basic movements of the temporomandibular joint: translation
12. Joint and muscle function during opening and closing movements
13. Joint and muscle function during protrusion and retrusion of the mandible
14. Joint and muscle function during laterotrusion of the mandible
15. Boundary movements of the mandible: sagittal, horizontal and frontal Posselt diagram
16. Significance and methods for registering the jaw relations
17. Significance and methods for determining the jaw relations
18. Geometric characteristics of the dental arches: description and significance
19. Occlusal anatomy of the molars: description and gnathological aspects
20. Cusp - fossa and cusp - marginal ridge contacts
21. Natural occlusion: occlusal contacts in natural dentition
22. Articulation in natural dentition. Canine guidance, group function, guidance
23. Clinical examination of the stomatognathic system – screening
24. Clinical examination of the stomatognathic system – in temporomandibular dysfunction (TMD)
25. Structure and use of hinged occluders. For which purpose shall we use them?

26. Types of articulators
27. Structure of mean-value articulators and their use (when, how)
28. Structure of semi-adjustable articulators and their use (when, how)
29. Structure of fully adjustable articulators and their use (when, how)
30. Objective, structure and use of face-bow
31. Types of face-bows: advantages and disadvantages
32. Methods of mounting the articulator: mean-value mounting according to Bonwill triangle
33. Methods of mounting the articulator: individual mounting
34. Programming a semi-adjustable articulator with positional bites
35. Programming a semi-adjustable articulator with digital axiograph
36. Concept of temporomandibular disorders
37. Possible causes of orofacial pain