

## **SYLLABUS**

### **FOR CLINICS OF PROSTHETIC DENTISTRY**

1. Etiology and pathogenesis of dental diseases.
2. Functional pathology of the masticatory apparatus. Mechanisms of the functional pathology.
3. History of the disease. Anamnesis.
4. Objective examinations – external inspection, oral cavity examination. Static, static-functional, functional and paraclinical methods for examination.
5. Methods of examination for the speech function.
6. Diagnosis and prognosis.
7. Indications and contraindications for prosthetic treatment. Treatment plan, epicrisys, patient history.
8. Basic types of dental prostheses – classification.
9. Preparation of the oral cavity for prosthetic treatment.
10. Prosthetic prophylaxis and treatment of the defects of the tooth crown – etiology, prosthetic methods and classification of the artificial crowns.
11. Treatment of the defects of the tooth crown by partial crowns – inlays, onlays, veneers.
12. Treatment of the defects of the tooth crown by full crowns – metal, acrylic, blend, partially veneered meal-acrylic full crowns.
13. Restoration of severe damaged teeth crowns.
14. Tooth preparation for full crowns. Types and methods for preparation of the tooth crown. Preparation junctions.
15. Impression types and impression methods for full crowns. Cares for the prepared tooth.
16. Modern technologies for all-ceramic crowns.
17. Clinics and treatments of the defects of the teeth crowns by post-and-core crowns.
18. Etiology, pathogenesis and prognosis of the defects of the dental arches. Classification.
19. Preparation of the oral cavity for treatment of the defects of the dental arches. Godson's phenomenon.
20. Basic methods and restorations for treatment of the defects of the dental arches - constructional principles.
21. Medical – biological characteristics of the dental restorations. Basic indications and contraindications for prosthetic treatment of the defects of the dental arches.

22. Prosthetic treatment of the defects of the dental arches by bridge restorations. Definition. Basic elements - abutments, retainers, connectors and pontics. Classification of the retainers.
23. Treatment of the defects of the dental arches by bridge restorations with full crown retainers.
24. Partial intracoronal retainers – inlay, onlay, pinlay intracoronal retainers.
25. Planning and designing of bridge restorations – constructional principles.
26. Clinics of bridge restorations used for splinting.
27. Cantilever bridge restorations.
28. Clinics of bridge restorations with telescopic crowns, full arch bridges, complicated bridge restorations.
29. Immediate bridge restorations.
30. Metal ceramic bridges. Porcelain fused to metal bridges.
31. Treatment of the defects of the dental arches by removable partial dentures (RPDs). Determination and fixation of the central position of the mandible in partial edentulism. Individual and constructional principles.
32. Clinics of partial dentures with bar-type attachments.
33. Clinics of model cast dentures – planning, clinical and laboratory protocol.
34. Precision and semi-precision attachments. Types. Classification.
35. Clinics of partial dentures with attachments.
36. Combined prosthetic treatment – with removable and fixed restorations. Milled dentures.
37. Combined prosthetic treatment – with removable and fixed restorations. Partial dentures with telescopic crowns.
38. Clinics of Kennedy's partial dentures. Clinics of overdentures.
39. Immediate RPDs.
40. Prosthetic treatment of teeth abrasion. Definition. Etiology. Types of abrasion. Planning. Wax-up. Mock-up. Final restorations – options.
41. Characteristics and resultant forces in the periodontium.
42. The meaning of periodontal trauma for periodontal diseases.
43. Diagnostics of the periodontal trauma.
44. Parafunctions – bruxism.
45. Basic prosthetic methods for prophylaxis and treatment of periodontal diseases. Selective teeth grinding method – indications, preliminary contacts, defective occlusal contacts during functional movements.
46. Clinical technology of selective occlusal trimming method.
47. Teeth-splinting – periodontal treatment by removable splints.
48. Teeth splinting – periodontal treatment by fixed splints.
49. Topographic – morphological changes of the prosthetic field after a full loss of the teeth.

50. Functional and mental changes after full loss of teeth.
51. Examination of the edentulous patient.
52. Preliminary impression from completely edentulous jaws.
53. Final impression from completely edentulous jaws.
54. Fixation of interjaws relationships. Determination of the occlusal plane. Determination the height of occlusion. Methods.
55. Determination of the centric position of the mandible. Methods and fixation.
56. Try-in procedure with the arranged teeth. Delivering the full dentures. Adaptation of the patients to the dentures.
57. Special treatment methods for completely edentulous patients with abnormal jaw relationships.
58. Repairs and relining of complete dentures. Indications. Methods.
59. Immediate complete dentures.
60. Indications and contraindications for implant treatment.
61. Examination of patients for implant treatment. Planning.
62. Surgical protocol for implant treatment.
63. Prosthetic protocol for implant-supported restorations fabrication.
64. Prosthetic treatment in children age.
65. Iatrogenic diseases in the Prosthetic Dentistry (provoked by old prosthetic treatment).
66. Maxillo-facial prosthodontics. Types of maxillo-facial prostheses – classification.
67. Prosthetics treatment of palate defects with obturators.
68. Prosthetics after jaw resections and fractures.
69. Face prostheses. Epitheses.
70. CAD/CAM technology. Definition. Possible software applications. Materials.
71. CAD/CAM technology. Intraoral and laboratory scanning. Design. Milling.

## **Bibliography**

1. Lectures of Clinics of the Prosthetic Dentistry.

## **Clinics of Prosthetic Dentistry:**

### **1. MAIN LECTURE COURSE**

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3. McCracken. Removable Partial Prosthodontics (Eleventh Edition). Elsevier, MOSBY.
4. Zarb, Hobkirk, Eckert, Jakob. Treatment of Edentulous Patients. Complete Dentures and Implant-Supported Protheses, Elsevier, 13 Edition.

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1. Hughes F., Seymour K., Turner W., Shahdad S., Nohl F. Clinical Problem Solving in Periodontology & Implantology. Elsevier, 2013.
2. Misch C. Contemporary implant dentistry. Mosby Elsevier, 2008.
3. Watzek G. Implants in Qualitatively Compromised Bone. Quintessence Publishing, 2004.
4. Misch C. Dental Implant Prosthetics. Second Edition. Elsevier, 2015.
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## **CAD / CAM:**

1. Masri, R., Driscoll, C. Clinical Applications of Digital Dental Technology. Wiley Blackwell, 2015, 1th Edition
2. Mormann, W. State of art of CAD/CAM restorations: 20 years of CEREC. Quintessence Publishing January 2006.
3. Shillingburg et al. Fundamentals of Fixed Prosthodontics. 4th Edition, 2012, p. 320-322, 457

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