

SYLLABUS

OF CLINICS OF PROSTHETIC DENTISTRY

1. Masticatory apparatus diseases. Etiological factors. Pathogenesis of the disease.
2. Functional pathology in the Dental medicine. Mechanisms of the functional pathology of the masticatory apparatus. Functional terminology.
3. Examination of a patient for prosthetic treatment – registration, anamnesis. Examination of the patient – extraoral and intraoral examination. Paraclinical examinations.
4. Diagnosis. Prognosis. Indications and contraindications for prosthetic treatment. Treatment plan. Epicrisis. History of disease.
5. Classification of the prosthetic diseases and their treatment. General classification of the prosthetic restorations. Preparation for prosthetic treatment.
6. Prophylaxis and treatment of Abrasio dentes.
7. Prosthetic treatment of Destructio coronae dentis. Etiology, pathogenesis, diagnosis, differential diagnosis, indications, contraindications. Treatment with dental crowns. Classifications. Choice of artificial crown.
8. Preparation for treatment of Destructio coronae dentis with artificial crown. Clinics of the artificial dental crowns. Individual provisional crown. Provisional post-and-core crown.
9. Clinics of the permanent single crown. Instruments and methods for teeth preparation.
10. Clinics of the permanent single crown. Instruments, materials and methods for taking impressions for the Fixed Prosthodontics.
11. Post-and-core crown. Two parts post-and-core crown. Post-and-core restoration clinical fabrication – direct and indirect. Single crown fabrication on a post-and-core restoration. One unit post-and-core crown – definition, indications.
12. Clinics of the single full crowns. Metal, metal-plastic, metal-composite, metal ceramic crowns. Endocrowns.
13. Clinics of the all-ceramic crowns.
14. Clinics of the ceramic laminate veneers.
15. Single crowns made according to the CAD/CAM technology.
16. Prophylaxis and treatment of Adentia partialis dentium permanentium. Classification of the partial edentulism.
17. Preparation of treatment of partial edentulism. Choice of prosthetic restoration.
18. Comparison between bridge restorations and partial removable dentures. Partial edentulism with phenomenon of GODON.

19. Prophylaxis and treatment of Adentia partialis with bridge restoration. Classification of the bridge restorations. Indications and contraindications. Choice of bridge restoration. Factors that affect the choice.
20. Planning for fabrication of a bridge restoration. Choice of abutments, retainers, pontics.
21. Clinics of the bridge restorations. Clinical steps.
22. Clinical characteristics of the different types of bridge restorations – metal, metal-plastics, metal-composite, metal ceramics, all-ceramic, polymer.
23. Clinics of the bridge restorations with intracoronal retainers partial crowns and extracoronal partial adhesive retainers.
24. Clinics of the bridge restorations with frontal-sagittal and full arch stabilization. Cantilever bridge restorations.
25. Immediate bridge restorations.
26. Bridge restorations made according to the CAD/CAM technology.
27. Classification of the removable partial dentures (RPDs). Preparation for treatment of partial edentulism. Treatment with removable partial denture.
28. Planning of removable partial denture fabrication.
29. Planning of model cast removable partial denture fabrication. Planning principles.
30. Clinics of the removable partial dentures. Clinical steps. Adjustment and delivery.
31. Types of removable partial dentures. RPDs with full and with reduced plaque, with wire bent clasps, with dentoalveolar clasps Kemmeny, without clasps, with pelltots, with bugle connection.
32. Combined Prosthodontics – RPD with fixed restoration. RPD with precision attachments and telescopic crowns.
33. RPD with bar type attachment. Combined milled RPDs – fixed and removable part.
34. Overdenture. Clinical steps. Overdenture with telescopic, attachment, bar type and magnet connection.
35. RPDs made according to the CAD/CAM technology.
36. Trauma from occlusion (TFO). TFO of the hard dental tissues and the periodontal tissues. TFO of the masticatory muscles and TMJs.
37. Parafunctions. Bruxism. Etiology, pathogenesis, clinics, diagnosis, differential diagnosis, treatment.
38. Occlusal contacts. Preliminary contacts – static and dynamic. Etiology, pathogenesis, clinics, diagnosis, differential diagnosis.
39. Selective grinding. Indications and contraindications. Types of selective grinding. Clinical technique.
40. Teeth splinting. Indications and contraindications. Types of teeth splinting – provisional and permanent. Factors affecting the type of splinting. Occlusal surface engagement.
41. Prophylaxis and treatment of complete edentulism. Morphological changes after complete edentulism.
42. Functional changes after complete edentulism. Treatment plan. Indications and contraindications. Classification of full dentures. Surgical preparation of the prosthetic field.
43. Types of impressions for full dentures. Preliminary impression. Final impression – area, soft tissues projection, compression, extension, impression trays, impression materials, method, dynamic tests.

44. Interjaws relationship fixation for treatment of complete edentulism. Methods for fixation of the occlusal plane and the vertical dimension of the occlusion. Spatula test.
45. Centric position of the mandible fixation methods.
46. Fixation of the centric position of the mandible. Additional registrations. Intra alveolar angle. Artificial teeth arrangement.
47. Try-in step and delivery of full dentures. Retention and stability. Patient adaptation.
48. Methods for relining of complete dentures. Special treatment methods for complete edentulism.
49. Full denture with metal plaque. Intra alveolar full denture.
50. Immediate partial and complete dentures.
51. Full dentures made according to the CAD/CAM technology.
52. Prosthetic treatment in children age.
53. Iatrogenic diseases – result of prosthetic treatment.
54. Maxillo-Facial Prosthodontics. Types of injuries. Types of dentures and appliances. Classification.
55. Splints for fractures of upper and lower jaw. Forming appliances.
56. Prosthetic treatment after resection of maxilla and mandible.
57. Prosthetic treatment of palatal defects with obturators.
58. Facial prostheses. Epytheses.
59. CAD/CAM technologies in Dental medicine. Types of materials for fabrication of restorations via milling and 3D printing.
60. Preparation design for fabrication of fixed restorations according to the CAD/CAM technology.
61. Intraoral scanning. Definition. Clinical protocol.
62. Laboratory scanning of impressions and models and digital working cast creation.
63. CAD design of fixed and removable prosthetic restorations.
64. Fabrication of fixed and removable restorations according to the CAD/CAM technology via milling and 3D printing.
65. Dental Implantology. Types of implants., abutments and instruments. Osseointegration.
66. Dental Implantology. Indications and contraindications.
67. Dental Implantology. Examination of the patients for implant treatment.
68. Implant planning. Methods – analogue and digital.
69. Implantation – surgical step. Methods. Possible complications.
70. Implant Prosthodontics. Methods for taking impressions (classical and digital).
71. Implant Prosthodontics. Types of implant-supported restorations (fixed and removable). Possible complications.

Източници за подготовка:

1. Учебник: Протетична дентална медицина-Клиника,2014 г-проф. д-р А. Филчев, дмн.
2. Учебник: Клиника на ортопедичната стоматология, 1984, 1987 г. под редакцията на проф. д-р Н. Попов, дмн (**само раздела лицево-челюстна ортопедия**), с. 324-349
3. Лекционен курс по Клиника на протетична дентална медицина.
4. Лекционен курс „CAD/CAM технологии в денталната медицина“.

5. Лекционен курс „Дентална имплантология“.
6. Herbert T. Schillenburg et al. Fundamentals of Fixed Prosthodontics (Fourth Edition). Quintessence Publishing, 2012
7. McCracken. Removable Partial Prosthodontics (Eleventh Edition). Elsevier, MOSBY.
8. Zarb, Hobkirk, Eckert, Jakob. Treatment of Edentulous Patients. Complete Dentures and Implant-Supported Protheses, Elsevier, 13 Edition.
9. Ahmad, I., Al-Harbi, F. 3D printing in Dentistry 2019/2020. Quintessence Publishing, Croatia, 2019
10. Ferencz, J., Silva, N. Fundamentals of CAD/CAM Dentistry. American College of Prosthodontists, 2018
11. Luongo, G. et al. Digital Implantology. Quintessence Publishing, Italy, 2018.
12. Misch C. Contemporary implant dentistry. Mosby Elsevier, 2008.
13. Misch C. Dental Implant Prosthetics. Second Edition. Elsevier, 2015
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15. Resnik, R. Misch's Contemporary Implant Dentistry. 4th Edition. Elsevier, 2020

02.04.2021 г.

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