

**YEREVAN STATE MEDICAL UNIVERSITY AFTER MKHITAR HERATSI**

**DEPARTMENT OF PROSTHODONTICS**

**FINAL ATTESTATION OF SPECIALITY « STOMATOLOGY»**

**2023-2024 ACADEMIC YEAR**

**«PROSTHODONTICS» SUBJECT  
ATTESTATION QUESTIONNAIRE**

1. Organization of Prosthodontics department. Propedeutics in Prosthodontics, instruments used in Prosthodontics.
2. Dental materials used in Prosthodontics, fundamental and auxiliary materials.
3. Dental materials used in Prosthodontics . Metals and their alloys.
4. Dental materials used in Prosthodontics . Casting procedures.
5. Dental materials used in Prosthodontics. Acrylic materials.
6. Dental materials used in Prosthodontics . Ceramic
7. Dental materials used in Prosthodontics. Impression materials.
8. Dental materials used in Prosthodontics. Waxes.
9. Dental materials used in Prosthodontics. Dental cements,
10. Dental materials used in Prosthodontics. Abrasive and polishing materials.
11. Examination of the patient, anamnesis.
12. Temporo-mandibular joint, structure.
13. Biomechanics of temporo-mandibular joint. Sagittal plane.
14. Biomechanics of temporo-mandibular joint. Vertical plane.
15. Biomechanics of temporo-mandibular joint. Horizontal plane.
16. Devices that reproduce mandibular movements (articulators), application and usage. Face bow, face bow record.
17. Partial destruction of tooth structures. Etiology, clinical features. Classification according to Black. Methods of prosthetic treatment.
18. Partial destruction of tooth structures. Prosthetic treatment with inlays, onlays. Indications, contraindications.
19. Partial destruction of tooth structures. Prosthetic treatment with inlays, onlays. Methods of fabrication.
20. Partial destruction of tooth structures. Prosthetic treatment with veneers. . Indications, contraindications.
21. Partial destruction of tooth structures. Pin system constructions. Indications, contraindications.
22. Partial destruction of tooth structures. Pin system constructions. Methods of fabrications
23. Pathological attrition of hard tissues of the tooth, types, etiology, classification, clinical features. Prosthetic treatment.
24. Principles of tooth preparation. (Preservation of tooth structure. Retention and resistance.)
25. Principles of tooth preparation. (Path of insertion.)
26. Principles of tooth preparation. (Structural durability.)
27. Principles of tooth preparation. (Marginal integrity. Biological width.)
28. Principles of tooth preparation. (Instrumentation.)
29. Tooth preparation for making full metal artificial crowns
30. Tooth preparation for making metal- ceramic artificial crowns.
31. Gingival retraction during artificial crown fabrication.
32. Impression techniques during artificial crown fabrication.
33. Provisional restorations (temporary crowns and bridges) indications, methods of fabrication.

34. Partial destruction of tooth structures. Etiology, clinical features. Full metal crowns. Clinical and laboratory procedures.
35. Partial destruction of tooth structures. Etiology, clinical features. Metal-acrylic artificial crowns, indications. Clinical and laboratory procedures.
36. Partial destruction of tooth structures. Etiology, clinical features. Metal-ceramic artificial crowns, indications. Clinical and laboratory procedures.
37. Differences between metal-ceramic and metal-acrylic prostheses.
38. Partial edentulousness, etiology, clinical features, classification according to Kennedy. Dental arch deformations. Clinical features, classification of dental arch defects.
39. Fixed partial dentures (bridges) as preventive and treatment methods. Classification of FPD, parts of FPD.
40. Fixed partial dentures (bridges) as preventive and treatment methods. Types of pontics, advantages and disadvantages.
  
41. Abutment selection for FPD (bridges). Indications and contraindications.
42. Full - metal FPD. Clinical and laboratory procedures.
43. Metal-ceramic fixed partial dentures. Clinical and laboratory procedures.
44. Metal-acrylic fixed partial dentures. Clinical and laboratory procedures.
45. Complete edentulous mouth, etiology, clinical features, diagnosis. Classification of edentulous jaws, evaluation of the condition of oral mucosa.
46. Complete dentures. Patient medical evaluation. Extraoral, intraoral examination.
47. Preparation of oral cavity for the prosthetic treatment with complete dentures.
48. Complete dentures, first session, taking (making) preliminary impression.
49. Complete dentures, first session. Laboratory stages preparation of the individual tray.
50. Complete dentures, second session, checking and modification of the individual tray, border molding. Making final impression and boxing impression. Fabrication of record bases.
51. Complete dentures, third session. Clinical procedure, establishment of posterior border of maxillary denture, post-dam.
  
52. Complete dentures, third session. Intermaxillary records. Clinical procedure, maxillary occlusal rim, mandibular occlusal rim. Verification of vertical dimension.
53. Complete dentures, third session. Face bow record and mounting of the maxillary cast on the articulator. Intermaxillary centric relation and mounting of the mandibular cast on the articulator. Selection of artificial teeth. Laboratory procedure, arrangement of artificial teeth on the wax.
54. Complete dentures, fourth session. Clinical procedure, verification of vertical dimension, verification of centric relation. Establishment and verification of eccentric records. Verification of phonation. Verification of esthetics by the dentist. Verification of esthetics by the patient. Laboratory procedure.
55. Complete dentures, fifth session. Clinical procedure, verification and detection of pressure areas and their correction; verification, detection of over- extended borders and their corrections. Re-recording of new centric relation. Remount of mandibular cast on the articulator. Verification of centric relation record. Correction of occlusal disharmonies. Placement of the dentures and home care instructions. Post placement check-ups and adjustments when necessary.
56. Partially edentulous mouth, etiology, classification, clinical features. Treatment of partially edentulous mouth with partial removable dentures: objectives. Indications and contraindications.
57. Temporary removable dentures, structure, fabrication, disadvantages.
58. Removable partial dentures, component parts.
59. Removable partial dentures, clasp system. Classification of clasps, their types, indications.
60. Removable partial dentures, Major connectors, metal base types, indications.
61. Removable partial dentures, Guideplates, minor connectors, indirect retainers.
62. Patient medical evaluation, preparation of prosthetic area for removable partial prostheses; selection of abutment teeth; reservation and extraction of natural teeth, indications. Treatment plan, explanation to the patient.

63. Parallelometer, structure, essence and methods of measurement. Planning of the structure of partial removable dentures with the help of parallelometer.
64. Design of removable partial dentures in different clinical cases.
65. Removable partial dentures, first session. Preliminary impression.
66. Removable partial dentures, first session. Laboratory procedure.
67. Removable partial dentures, second session, modification of abutment teeth, techniques, essence, final impression.
68. Removable partial dentures, metal framework, laboratory procedures: neutralization of undercuts, gel, creation of duplicate models, creation of the wax copy of the metal basis, molding of the metal framework, processing, polishing and finishing, adjustment to the working model.
69. Removable partial dentures, third session, clinical and laboratory procedures.
70. Removable partial dentures, fourth session clinical and laboratory procedures.
71. Removable partial dentures, fifth session clinical and laboratory procedures. Post-placement adjustments and recommendations.
72. Prosthetic treatment in patient with periodontal diseases. Occlusal trauma. Pathogenesis.
73. Prosthetic treatment in patient with periodontal diseases. Splinting, types of splints.
74. Prosthetic treatment in patient with periodontal diseases. Selective grinding.
75. Prosthetic treatment in patient with periodontal diseases with fixed partial dentures..
76. Maxillofacial defects, classification, etiology, clinical features, classification of dentures.
77. Birth defects of jaws, methods of prosthetic treatment.
78. Acquired defects of jaws, methods of prosthetic treatment.
79. Facial prostheses (nose, eye, ear prostheses).
80. Implants, introduction. Structure, classification, application, indications, contraindications.
81. Types of implant abutments, prosthetic features.
82. Impression techniques during implant making (open, closed tray)
83. Fixed and removable prostheses on implants. Combined prostheses. Types of prosthesis fixation on implants.
84. Errors and complications during inlay fabrication.
85. Errors and complications during post core fabrication.
86. Errors and complications during crown fabrication
87. Errors and complications during FPD (bridge) fabrication
88. Errors and complications during RPD fabrication
89. Errors and complications during complete denture fabrication
90. Errors and complications during implants fabrication.

#### References

1. Herbert T. Shillingburg: Fundamentals for Tooth Preparations for Cast Metal and Porcelain Restorations, Quintessence Pub Co, 1987
2. Herbert T. Shillingburg, Lowell D. Whitsett, Richard Jacobi, Sumiya Hobo, Susan E. Brackett: Fundamentals of Fixed Prosthodontics, Quintessence Pub Co, 1997
3. A.S.Carr, G.P. McGivney, D.T.Brown: McCracken`s Removable Partial Prosthodontics; Mosby, 2005
4. B Touati, J.M. Etienne, E.V. Dooren: Esthetic Integration of Digital-Ceramic Restorations, 2008
5. Phillips Science of dental materials. 2003
6. Lectures are available in department

Head of Prosthodontics department`



Assoc. prof. A.R.Vardanyan