Assessment tools for conducting attestation
in discipline " Propedeutic of Dental Diseases "
for students 2024,2025 year of admission
under the educational program 31.05.03 Dentistry,
specialisation profile Dentistry
Specialist's degree
form of study full-time
for the 2025-2026 academic year

1.1. Assessment tools for conducting current attestation in discipline.

The current attestation includes the following types of tasks: tests, solving situational tasks assessing the development of practical skills , written work, writing and defending an abstract, interviewing on control questions.

1.1.1. Examples of test tasks

Verifiable indicators of competence achievement: ПК-1.1.1, ПК- 2.1.1

1. UNILATARAL BOUNDED SADDLE IS CLASSIFIED AS
   1) Class I Kennedy
   2) Class II Kennedy
   3) Class III Kennedy
   4) Class IV Kennedy

2. THE MAIN RULE OF TOOTH REDACTION FOR CAST CROWN
1) reduction of the cervix of the tooth
2) forming a cone shape of the tooth with a shoulder
3) removing the equator
4) the occlusal surface reduction

1.1.2. Examples of situational tasks
Verifiable indicators of competence achievement: ПК-2.1.1., ПК-2.2.1

1. Incisor has shovel-shaped shape, there are 3 tubercles on his cutting edge. A vestibular surface is protuberant, the lingual surface is concave, triangular in shape. The signs of angle and curvature of crown are clearly marked. One root and one root canal. What type of tooth is it?
2. Incisor is medium-sized, the vestibular surface is convex A distal angle is well rounded. The lingual surface is concave with lateral ridges which form a tubercle near the neck. All of signs of belonging of teeth are expressed. Define, what type of tooth is it?

1.1.3. Examples of tasks to assess the development of practical skills

Verifiable indicators of competence achievement: : ПК-2.2.1

1. Preparation of the carious cavity of the 5th class according to Black on phantoms.

2. Wax modeling on the model of pontic of the bridge prosthesis.

1.1.4. Example of a variant of the written work

Verifiable indicators of competence achievement: ПК-2.1.1, ПК-2.2.1

No. 1.

1. Classification of permanent filling materials. Requirements for filling materials.

1.1.5. Examples of abstract topics

Verifiable indicators of competence achievement: ОПК- 10.1.1, ПК-2.1.1, ПК- 2.2.1

1. Definition and classification of composites. Comparative characteristics of composites of various classes.

2. Tooth extraction. Errors and complications during tooth extraction.

3. Asepsis, antiseptics, disinfection, sterilization in dentistry.

1.1.6. Examples of control questions for the interview

Verifiable indicators of competence achievement: ПК-1.1.1. ПК-2.1.1, ПК-2.2.1

Control questions module "Propaedeutics of prosthetic dentistry"

1. Bite, definition. Classification of bite types.

2. Physiological types of bite, signs.

3. Pathological types of bite, signs.

1.2. Assessment tools for conducting specialized control of practical skills and abilities in the discipline. It is held at the last lesson on cards.

1.2.1. Examples of tasks to assess the development of practical skills.

Verifiable indicators of competence achievement: ПК-2.2.1

1. Preparation and filling of the carious cavity of the 1st class according to Black. Diagnosis: medium caries.
2. Preparation of the mandible molar for a swaged crown.
3. Selection and application of the instrument, the position of the doctor, the patient, the rule of the left hand for extraction the 3rd molar of the maxilla. The technique of extraction.

1.3. Assessment tools for students' independent work The evaluation of independent work includes testing.

1.3.1 Examples of test tasks with a single answer.

Verifiable indicators of competence achievement ПК-2.1.1 ПК-2.2.1

Choose one of the four answers.

1. For the correct selection of the color of the restoration material, it is necessary to ...

a) remove plaque from the tooth surface

b)preliminary etching of tooth tissues…

c) bright lighting .

d) conversation with the patient

1.3.2. Examples of multiple-response test tasks for matching and sequencing

Verifiable indicators of competence achievement ПК-2.1.1 ПК-2.2.1

1. Establish the correspondence of materials and stages of aesthetic restoration:

1. 37% orthophosphoric acid	A. Total etching
2. 2% solution of chlorhexidine	B.Medical treatment of the cavity
3. HEMA	C. Adhesive Protocol
4.Photocomposite material,	D Restoration

2. Set the correct sequence of tools when finishing the composite seal:

1 Carbide finish

2 Diamond finish with yellow ring

3 Diamond finish with white ring

4 Silicone head

5 Polishing plastic disc

1.3.3. Examples of open-type tasks

Verifiable indicators of competence achievement. ПК-2.1.1 ПК-2.2.1

1/ The patient complained of chipping of the cutting edge of the upper central incisor. What kind of filling material should a doctor choose for the restoration of the cutting edge? Justify the answer.

2. Assessment tools for conducting intermediate attestation in a discipline.

Intermediate attestation is carried out in the form of an exam in the form of a card interview.

2.1.. List of questions to prepare for the intermediate attestation:

Verifiable indicators of competence achievement: ОПК-10.1.1., ПК-1.1.1, ПК-2.1.1, ПК-2.2.1 ПК-8.1.1

1.History of Dentistry evolution. Russian scientists contribution to the Dentistry development

2.Organisation and structure of a dental clinic, dental office. The sanitary-hygenic standards. Safety requirements. Dental units, types, operating principle. Ergonomic requirements.

3.Dental handpieces. Types. operating principle. Typical failure

4.Dental rotating instruments. Types. Properties. International standardization.

5.Dental instruments. Classification. Functional properties. Instrument's care. Disinfection. Sterilization. Protection from HIV infection.
6. Endodontic instruments. International standartisation. Classification. Properties. Care for the instruments.
7. Characteristic of chemical and histological structure of a tooth. Physiological features of tooth hard tissues.
8. Clinical anatomy of incisors and canines
9. Clinical anatomy of premolars
10. Clinical anatomy of molars.
11. Morphology of root canal system (pulp chamber and root canals) of the permanent teeth
12. . Subjective methods (history- taking) of patient's examination
13 . Objective methods (extraoral and intraoral) of patient's examination/
14. Instrumental methods of teeth examination/
15. Additional methods (special investigations**)** of patients' examination
16. The basic principles of the diagnostic process. Preliminary , final (definitive) and differential diagnosis. Patient card recording. Dental formula due to the WHO.
17. Caries of a tooth. Definition. Classification
18.Stages of carious cavity preparations according to Black. Instruments,technique. The requirements for a carious cavity formation.
19. Class I carious cavity according to Black. Characteristic of cavity preparation. Variants of formation. Mistakes. Prevention.
20. Class II carious cavity according to Black. Characteristic of cavity preparation. Variants of formation. Mistakes. Prevention.
21.Requirements to the formed caries cavity. Additional platform. Purpose. Characteristic. Technique,
22. Class III carious cavity according to Black. Characteristic of cavity preparation. Variants of formation. Mistakes. Prevention
23. Class IV carious cavity according to Black. Characteristic of cavity preparation. Variants of formation. Parapulpal posts. Indications. Technique. Mistakes. Prevention.
24. Class V carious cavity according to Black. Characteristic of cavity preparation. Variants of formation. Mistakes. Prevention.
25. Instruments for a carious cavity filling. Application of matrices, matrix holders, wedges.
26. Finishing of direct restorations. Aim. Steps. Time of the finishing. Quality assessment.
27. Medium and deep caries treatment , steps and characteristic.
28. Pulpitis. Definition. Classification. Treatment methods classification. Treatment methods choice.
29. Features of the carious cavity preparation in endodontic treatment. Tooth crown trepanation of an intact tooth in root canal interventions.Technique. Requirements for the formed cavity.
30. Vital pulpotomy. Indications and technique. Mistakes. Complications
31. . Vital pulpectomy. Indications and methods. Properties, instruments and root canal preparation technique. Mistakes.
32. Pulp devitalisation. Indications and technique. Mistakes. Complications.
33. Devital pulpectomy. Indications and technique. Erros. Complications. Endodontic treatment technique in multirooted teeth. Apexlocation
34. . Devital pulpotomy. Resorcin-formalin method. Methods. Indications, technique. Erros. Complications.
35. Heavy-going root canals. Reasons. Root canal enlargement - chemical and physical methods (Step Back, Crown Down).
36. Apical periodontitis. Definition . Classification. Instrumental and medicamental root canal treatment.
37. Method of root canals obturation. Obturation by pastes and cements by using root needle and rotary paste filler. Quality assessment of canals' obturation.

38. Methods of root canals obturation by gutta-percha posts
39. Mistakes and complications during the endodontic treatment. Prevention methods.
40. The organization and equipment of a dental laboratory (main and special rooms). The sanitary-hygenic standarts.
41. Bite. Definition. Types of the Normal bites, their characteristic.
42. Articulation and occlusion. Definition. Types of occlusion, their characteristic.
43. Bite. Definition. Types of the abnormal bites, their characteristic
44. The rules and steps of the tooth preparation for swaged crown. Abrasive instruments, handpieces. Mistakes. Preventive measures.
45. The rules and steps of the tooth preparation for plastic, cast crowns. Abrasive instruments, handpieces. Mistakes. Preventive measures.
46. Clinical and laboratory steps of swaged crown fabricating.
47. Clinical and laboratory steps of cast crown fabricating. Technique of a sectional cast producing
48. Technique of stamping swaged crowns, equipment, materials.
49. Fitting the crown on the abutment tooth. Requirements for correctly made crown.
50. Inlays. Classification, Principles of cavity preparation.
51. Methods of inlays fabricating. Steps of inlay wax modelling.
52. Core - post restorations.Types, application.
53. Root preparation for core-post restorations. Steps of Core - post modelling, materials.
54. Bridges. Classification. Clinical and laboratory steps of soldered bridge fabricating.
55. Clinical steps of bridges fabricating (pecularities of abutment tooth preparation, fitting crowns of a bridge). Characteristic of dentition' defects. Kennedy classification
56. Impressions. Definition. Kinds of impressions. Impression trays.
57. Technique of anatomical impression taking
58. Technique of making master cast with crowns. Technique of occludator mounting.
59. Casting procedures. Steps, materials.
60. Types of pontic for bridges. Requirements for pontic shape.
61. Soldering units of the bridge. Technique.
62. Thermal, chemical, mechanical treatment of metal prosthesis.
63. Try-in a bridge in the mouth and cementation.
64. Clinical and laboratory steps of removable partial denture fabricating.
65. Boundaries of denture base of partial removable denture.
66. Wax occlusal record blocks fabricating. (Technique, composition)
67. Variants of jaw registration in centric occlusion.
68. Clasps classification. Clasp – lines.
69. Characteristic of bending clasp.
70. Preparation and Packing of a resin in a mold.
71. Preparation of a Mold for partial removable denture.
72. Technique of denture out - taking from the flask, finishing and polishing. Materials, instrumtnts.
73. Anatomical structure of the maxilla.
74. Anatomical structure of the mandible.
75. Types of anesthesia in dentistry. Indications
76. Indications and contraindications for tooth extraction.
77. Upper teeth extraction. Position of a doctor, patient, left hand in extracting of teeth in maxilla. Steps, instruments.
78. Lower teeth extraction. Position of a doctor, patient, left hand in extracting of

teeth in mandible. Steps, instruments.
79. Instruments for tooth and root extraction. Signs of forceps.
80. .Impression materials. Classification. Requirements of Impression materials.
81. Rigid Impression materials (ZOE Impression pastes, Impression Plaster). Their characteristic (composition, properties, application)
82. Impression compounds .Their characteristic (composition, properties, application)
83. Elastic impression materials Their characteristic (composition, properties, application)
84. Dental cast materials. Their characteristic (composition, properties, application)
85. Dental Waxes. Their characteristic (composition, properties, application)
86. Alloys. Types. Their characteristic (composition, properties, application)
87. Plastics for crowns. Their characteristic (composition, properties, application)
88. Dental ceramic. Types. Their characteristic (composition, properties, application)
89. Stainless Steel. Composition, properties, application
90. Cobalt-chromium alloy. Composition, properties, application
91. Silver solder. Composition, properties, application
92. Denture base materials. Types. composition, properties, application
93. Repair and rebasing denture resins. Types, properties, application
94. Artificial teeth for dentures. Material, shape, size, colour, plasement.
95. Types of plastic polymerization. Regime of plastic polymerization. Types of plastic porosity.
96. Cements for indirect restorations cementation. Classification. Their characteristic (composition, properties, application)
97. Auxiliary materials: Low-melting alloys, metal's cleaning solutions, metal's polishing materials. Composition, properties, application
98. Investing materials. Types. composition, properties, application
99. Filling materials. Classification. Filling material choice
100. Temporary filling materials. Indications. Physical and chemical properties. Manipulation and filling technique
101.Permanent filling materials. Classification. Comparative characteristic. Requirements to the filling material
102. Dental liners. Purpose. Classification
103. Treatment liners. Types. Composition. Indications. Filling techniques.
104. Isolating liners. Types. Composition. Indications for the application. Filling technique.
105 Cements. Classification. Zinc-phosphate cements. Composition, characteristic. Indications. Mixing and filling technique.
106. Silicate cements. Composition. Physicochemical properties. Indications for application. Preparation and filling technique.
107. Silico-phosphate cements. Composition. Features. Indications. Preparation and filling technique
108. Dental amalgam. Composition. Physicochemical properties. Indications for the application. Preparation and filling technique. Safety requirements
109. Glass-ionomer cements. Composition. Indications. Preparation and filling technique.
110. Composite materials. Classification. Properties Indications.
111. Chemical composite materials. Composition, Properties, preparation and filling technique.
112. Light-cured filling materials. Classification. Composition. Properties. Filling techniques.
113. Root canal's filling materials. Classification. Requirements. Filling material choice.
114. Temporal filling material for root canals. Properties. Composition.
115. Permanent filling materials for root canals. Classification. characteristics. Comparative characteristic of different groups. Material choice.
116. Root canal's posts in therapeutic dentistry. Classification. Indications
117.Materials for modeling (wax-up) post-core restorations.
118. Double Impressions : classification, impression materials, technique
119. Gum retraction, purpose, materials, methods.

120. Metal-ceramic and all-ceramic crowns, their characteristics.
121. Principles and technique of teeth preparation for metal-ceramic and all-ceramic crowns.
122. The technique of creating a shoulder, its shape, location in relation to the gum
123. Clinical and laboratory stages of manufacturing of metal-ceramic crowns.
124. The techniques of manufacturing all-ceramic crowns.
125. Aesthetic Restoration. Definition. Types of restorations
126. Stages of restoration of the posterior teeth. Types of auxiliary instruments necessary for direct restoration of the posterior teeth
127. Stages of restoration of the anterior teeth. Types of auxiliary instruments necessary for direct restoration of the anterior teeth
128. Finishing and polishing of direct restorations. Steps, instruments, materials.
129. The choice of color of composite materials for the restoration of teeth.

1.3.2.. Exam card example

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Card №

1. Bite. Definition. Types of the normal bites, their characteristic.

2. Mistakes and complications during the endodontic treatment. Prevention methods. Root canals' retreatment. Indications, methods. Perforation. Perforation obturation.

3. Dental Waxes. Their characteristic (composition, properties, application)

The full fund of evaluation funds for the discipline is available in the EIOS VolgSMU at the link:

https://elearning.volgmed.ru/course/view.php?id=7434

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