

«СОГЛАСОВАНО»

«УТВЕРЖДАЮ»

Председатель методической комиссии
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ФГБОУ ВО «ЧГУ им. И.Н. Ульянова»

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Н.В. Смирнова
Протокол № 4
« 7 » 11 2025 г.



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« 7 » 11 2025 г.

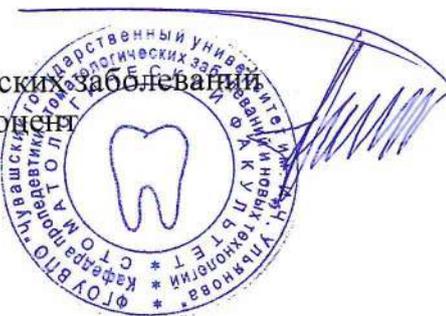
**Перечень экзаменационных вопросов по дисциплине:
«Основы материаловедения в стоматологии» для студентов III курса,
обучающихся на английском языке, по специальности «Стоматология»
2025/2026 учебного года**

1. Classification of Composite Materials
2. Biomaterials. Biocompatibility. Bioinertness. Concept and Examples.
3. Types of Primary Bonds. Examples.
4. Types of Secondary Bonds. Examples.
5. Main Components of Porcelain. Properties of Individual Components.
6. Composite Materials. Composition. Indications for Use.
7. Classification of Composite Materials Based on Filler Size. Indications for use.
8. Composite Materials. Advantages and Disadvantages.
9. Differences between Chemical and Light-Cured Composites. Indications for Use.
10. Features of filling Cavities with Chemical-Cured Composites.
11. Features of Filling Cavities with Light-Cured Composites.
12. Light-Cured Composites. Polymerization Shrinkage. Methods for Reducing Polymerization Stress.
13. Etching Gel. Composition. Indications for Use. Selective and Total Etching Technique.
14. Compomers. Advantages and Disadvantages of Compomers.
15. Ormocers. Classification.
16. Ormocers. Advantages and Disadvantages.
17. Adhesion. Types of Adhesion.
18. Classification of Adhesive Systems by Bonding Mechanism.
19. Adhesive Protocol with 4th Generation Adhesive Systems.
20. Adhesive Protocol with 5th Generation Adhesive Systems.
21. Adhesive Protocol with 6th Generation Adhesive Systems.
22. Adhesive Protocol with 7th Generation Adhesive Systems.
23. Adhesive Protocol with 8th Generation Adhesive Systems.
24. Fissure Sealants. Composition. Properties. Indications for use.
25. Classification of glass ionomers by reaction type. Differences.
26. Classification of glass ionomers by application type.
27. "Classic" glass ionomers, properties, and examples.
28. Positive properties of glass ionomers cements.

29. Negative properties of glass ionomers cements.
30. Modified glass ionomers cements, properties, and examples.
31. Indications for use of glass ionomers cements.
32. Open sandwich technique, features.
33. Closed sandwich technique, features.
34. Classification of intermediate filling materials.
35. Base liners. Properties, indications for use.
36. Requirements for insulating liners.
37. Differences between base liners and liner liners. Application methods.
38. Therapeutic liners. Composition, indications, and methods of application.
39. Calcium hydroxide-based materials. Properties, types, and application methods.
40. Desensitizers, mechanisms of action, and application methods.
41. Isolating varnishes, indications for use, and application tactics.
42. Zinc-eugenol cement: advantages and disadvantages.
43. Amalgams. Properties. Composition.
44. Amalgams. Indications for use.
45. Amalgams. Advantages and disadvantages of amalgams.
46. Methods for filling cavities with amalgam. Polishing.
47. Classification of root canal filling materials
48. Root canal obturation materials. Composition. Properties.
49. Devitalizing agents. Composition. Application.
50. Preparations for medicated root canal treatment. Properties. Indications for Use.
51. Temporary Root Canal Filling Materials. Composition. Properties. Indications for Use.
52. Antibiotic and Corticosteroid sealers.
53. Perforation Sealing Materials. Composition. Properties.
54. Composition and Properties of Permanent Root Canal Filling Materials.
55. Epoxy Resin-Based Sealers.
56. Calcium Hydroxide. Forms, Properties, Application.
57. MTA. Composition. Properties. Indications for Use.
58. Gutta-Percha. Types. Properties.
59. Gutta-Percha. Indications for Use.
60. Zinc Oxide-Eugenol Paste-Based Sealers. Composition. Properties. Indications for Use.

Вопросы обсуждены на заседании кафедры Пропедевтики стоматологических заболеваний и новых технологий (протокол № 3 от 15 октября 2025 года)

Заведующий кафедрой
Пропедевтики стоматологических заболеваний
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