



Educational institution  
Royal Metropolitan University  
Quality Management System  
Curriculum for the discipline "Dentistry"  
Specialty 560004 "Dentistry" of the educational institution "RMU"

**Educational institution RMU"**  
**Department of Dental Disciplines**

**Syllabus**

**in the discipline "Therapeutic Dentistry"  
for students majoring in 560004 "Dentistry"**

Form of study	on an ongoing basis
well	3/4/5
Semester	5/6/7/8/9/10
Exam	7
Total number of credits in the curriculum	24
The total number of hours allocated to the curriculum.	720
Lectures	108
Practical classes	324
Independent work	288

Curriculum Developer:  
Bektasheva A.K.

Reviewed and approved at a meeting of  
the Department of Fundamental  
Disciplines.

Protocol No. 1 dated "6"  
kpkub 2025.

Head of department Bektasheva A.K.

[Signature]  
(signature)

**Bishkek 2025**



**Lecturer:** PhD Bektasheva Aida Kubanychbekovna.

**tel.:** +996551290027 (WhatsApp)

**Email:** aistom7-06@mail.ru

### Scope of the discipline and types of academic work

Well	Semester	Weeks	Total number of teaching hours		Number of hours of independent work		Total number of hours	Number of modules
			Lecture	Practical classes	SIV	SIVT		
3	5	18	18	54	24	24	120	2
3	6	18	18	54	24	24	120	
4	7	18	18	36	18	18	90	
4	8	18	18	54	24	24	120	
5	9	18	18	72	30	30	150	
5	10	18	18	54	24	24	120	

**Abstract of the academic discipline.** The course "Therapeutic Dentistry" is a fundamental clinical discipline focused on the etiology, pathogenesis, clinical presentation, diagnosis, treatment, and prevention of diseases of the dental hard tissues, pulp, and periodontium. Students master modern methods of dental diagnosis, the principles and stages of treating caries and its complications, non-carious lesions, and the fundamentals of endodontic treatment. Particular attention is paid to developing practical skills: examining patients, making a diagnosis, choosing a treatment strategy, performing therapeutic dental procedures, and adhering to the principles of medical ethics and deontology. This course promotes the development of professional competencies in dentistry and serves as the foundation for further study in clinical dental disciplines.

### The purpose and objectives of the discipline

#### The purpose of discipline

developing professional competencies in students that ensure readiness to carry out preventive, diagnostic, and therapeutic activities for diseases of the hard tissues of



the teeth, pulp, and periodontium, based on modern methods of clinical examination, principles of evidence-based medicine, and current clinical guidelines, while adhering to the requirements of medical ethics and the safety of dental care.

### **Objectives of the discipline**

- Formation of systemic knowledge about the etiology, pathogenesis, clinical picture, diagnosis and prevention of diseases of hard dental tissues, pulp and periodontium.
- Mastering modern methods of clinical examination of dental patients, interpretation of laboratory and instrumental research results.
- Developing skills in making a diagnosis and developing a sound treatment plan in accordance with clinical guidelines and the principles of evidence-based medicine.
- Mastering methods of treating caries, its complications and non-carious lesions of hard dental tissues using modern materials and technologies.
- Development of practical skills in conducting endodontic treatment and monitoring its effectiveness.
- Development of measures for the prevention of dental diseases and the formation of patient motivation to maintain dental health.
- Development of clinical thinking, skills for making professional decisions and assessing the quality of medical care provided.
- Developing skills in compliance with sanitary and epidemiological requirements, aseptic and antiseptic rules, as well as ensuring the safety of patients and medical personnel.
- Mastering the principles of medical deontology, ethics, and effective interaction with patients and colleagues.
- Formation of readiness for maintaining medical records in accordance with the established procedure.

### **After mastering this discipline, the student:**

#### **will know:**

- anatomical and physiological, age-related and individual features of the structure of teeth, periodontium and oral mucosa;
- etiology, pathogenesis, clinical picture and classification of the main dental diseases (caries, pulpitis, periodontitis, periodontal diseases, non-carious lesions, diseases of the oral mucosa);



- modern principles of diagnosis, prevention and treatment of therapeutic dental diseases;
- fundamentals of endodontic treatment and features of the morphology of root canals of various groups of teeth;
- the main pathological symptoms and syndromes of dental diseases in accordance with the International Classification of Diseases (ICD).

**will understand:**

- the need for prevention of dental diseases and the importance of dispensary observation of patients;
- the importance of early diagnosis of diseases of the hard tissues of the teeth, pulp, periodontium and oral mucosa;
- the importance of observing the principles of asepsis, antisepsis and infection control in dental practice;
- the need to maintain medical records in dental treatment and preventive institutions;
- mechanisms of development of pathological processes in hard tissues of teeth, pulp, periodontium and oral mucosa;
- principles of physical, laboratory and instrumental diagnostics of dental diseases;
- the importance of preventive measures and oral hygiene in the prevention of dental diseases.

**will be able to use:**

- methods of clinical examination of dental patients;
- basic methods for diagnosing diseases of hard and soft tissues of the oral cavity;
- modern materials and technologies for the treatment of caries and its complications;
- methods of endodontic treatment of teeth;
- methods of professional and individual prevention of dental diseases;
- methods of differential diagnosis of diseases of the oral mucosa.

**will be able to carry out:**

- collection of dental anamnesis and clinical examination of the oral cavity;
- identification of the main symptoms and syndromes of dental diseases based on clinical examination;
- drawing up a plan for laboratory and instrumental examination of the patient;



- interpretation of the results of laboratory and instrumental diagnostic methods;
- establishing a preliminary diagnosis of dental diseases;
- implementation of preventive measures to prevent caries and periodontal diseases;
- teaching patients oral hygiene rules;
- preparation of medical and dental documentation.

**will be able to analyze:**


- data from a clinical examination of a dental patient (examination, probing, percussion, assessment of the hygienic condition of the oral cavity, etc.);
- results of X-ray and laboratory diagnostic methods;
- clinical symptoms and syndromes of diseases of hard and soft tissues of the oral cavity.

**will be able to synthesize:**

- results of clinical, laboratory and instrumental research methods for establishing a dental diagnosis;
- anamnesis and clinical examination data to identify pathological processes in the tissues of the oral cavity;
- information about the patient's condition to formulate a treatment and prevention plan.


**will be able to evaluate:**

- results of laboratory and instrumental methods for diagnosing dental diseases;
- the condition of the hard and soft tissues of the oral cavity;
- the effectiveness of the treatment and preventive measures;
- the degree of severity of the pathological process in the oral cavity.


	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"

No	Name sections and topics disciplines (lectures and practical classes)	Classroom activities				Total hours on	SRSP	Independent work of a student	Formed competencies	Used educational technologies, methods and techniques of	Dummies	Forms of current and border control academic performance
		lectures	seminars	practical classes	laboratory work							
	<b>5th semester</b>											
1	Organization and equipment of a therapeutic dental office.	2		3		4	2	2	OK-1, IK-1, SLK- 1, PC-2, PC-3, PC-4	lecture using video materials	Dental unit	Assessment of the acquisition of practical skills (abilities)
2	Medical Ethics. Medical Records of a Dental Patient. Methods of Patient Examination.			3		4	2	2	OK-1, IK-1, SLK- 1, PC-2, PC-3, PC-4	lecture- visualization	Dental unit	Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems
3	Non-carious dental lesions. Classification. Etiology. Pathogenesis.	2		3		4	2	2	PK-6, PK-15, PK- 16, PK-19, PK-20, PK-21	lecture using video materials	A disassemblabl e tooth model with layers of enamel and	classes using phantom jaws




	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


											<i>for preparation</i>	
5	<i>Endemic dental fluorosis. Clinical presentation. Diagnostics. Differential diagnostics. Treatment.</i>			3		4	2	2	<i>PC-22, PC-23 PC- 38</i>	<i>lecture using video materials</i>	<i>A disassemblabl e tooth model with layers of enamel and dentin, a jaw model with stages of caries development, phantom teeth simulating softened dentin, multi- layered teeth for preparation</i>	<i>classes using phantom jaws</i>
6	<i>Hereditary disorders of dental development. Clinical presentation. Diagnostics. Differential diagnostics. Treatment.</i>	2		3		4	2	2	<i>OK-1, IK-1, SLK- 1, PC-2, PC-3, PC-4</i>	<i>problematic lecture</i>	<i>A disassemblabl e tooth model with layers of enamel and dentin, a jaw model with stages of</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving</i>

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"

											<i>caries development, phantom teeth simulating softened dentin, multi-layered teeth for preparation</i>	<i>situational problems</i>
7	<i>Abrasion of hard dental tissues. Wedge-shaped defect. Dental hyperesthesia. Clinical presentation. Diagnostics. Differential diagnostics. Treatment.</i>	2		3		4	1	1	<i>OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4</i>	<i>lecture using video materials</i>	<i>A disassemblable tooth model with layers of enamel and dentin, a jaw model with stages of caries development, phantom teeth simulating softened dentin, multi-layered teeth for preparation</i>	<i>classes using phantom jaws</i>


	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"

8	<i>Dental erosion. Necrosis of hard dental tissues. Clinical presentation. Diagnostics. Differential diagnostics. Treatment.</i>			3		4	1	1	<i>OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4</i>	<i>lecture-visualization</i>	<i>A disassemblable tooth model with layers of enamel and dentin, a jaw model with stages of caries development, phantom teeth simulating softened dentin, multi-layered teeth for preparation</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
9	<i>Traumatic dental lesions. Classification. Clinical presentation. Etiology. Treatment.</i>	2		3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>problematic lecture</i>	<i>A disassemblable tooth model with layers of enamel and dentin, a jaw model with stages of caries development,</i>	<i>classes using phantom jaws</i>


	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"

											<i>phantom teeth simulating softened dentin, multi-layered teeth for preparation</i>	
10	<i>Dental caries. Classification. Etiology. Pathogenesis.</i>	2		3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>problematic lecture</i>	<i>A disassemblable tooth model with layers of enamel and dentin, a jaw model with stages of caries development, phantom teeth simulating softened dentin, multi-layered teeth for preparation</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
11	<i>Caries in the spot stage. Clinic. Treatment.</i>			3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture-visualization</i>	<i>A disassemblable tooth model</i>	<i>classes using phantom jaws</i>




	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


											<i>dentin, multi-layered teeth for preparation</i>	
13	<i>Medium caries. Clinic. Treatment.</i>			3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>problematic lecture</i>	<i>A disassemblable tooth model with layers of enamel and dentin, a jaw model with stages of caries development, phantom teeth simulating softened dentin, multi-layered teeth for preparation</i>	<i>classes using phantom jaws</i>
14	<i>Deep caries. Clinic. Treatment.</i>			3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>problematic lecture</i>	<i>A disassemblable tooth model with layers of enamel and dentin, a jaw</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities).</i>

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


											<i>model with stages of caries development, phantom teeth simulating softened dentin, multi-layered teeth for preparation</i>	<i>Solving situational problems</i>
15	<i>Filling materials.</i>	2		3		4	1	1	<i>PC-22, PC-23 PC-38</i>	<i>lecture using video materials</i>	<i>A disassemblable tooth model with layers of enamel and dentin, a jaw model with stages of caries development, phantom teeth simulating softened dentin, multi-layered teeth</i>	<i>classes using phantom jaws</i>

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


											<i>for preparation</i>	
16	<i>Errors and complications in caries treatment.</i>	2		3		4	1	1	<i>PC-22, PC-23 PC-38,</i>	<i>lecture using video materials</i>	<i>A disassemblable tooth model with layers of enamel and dentin, a jaw model with stages of caries development, phantom teeth simulating softened dentin, multi-layered teeth for preparation</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
17	<i>Prevention of dental caries</i>	2		3		4	1	1	<i>PC-22, PC-23 PC-38</i>	<i>lecture using video materials</i>	<i>A disassemblable tooth model with layers of enamel and dentin, a jaw model with stages of</i>	<i>classes using phantom jaws</i>

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


											<i>caries development, phantom teeth simulating softened dentin, multi-layered teeth for preparation</i>	
18	Oral cavity sanitation.		3		4	1	1	PC-22, PC-23 PC-38,	lecture-visualization	<i>A disassemblable tooth model with layers of enamel and dentin, a jaw model with stages of caries development, phantom teeth simulating softened dentin, multi-layered teeth for preparation</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>	
<b>Total 5 semester</b>		18	54		72	24	24					<i>Credit</i>

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


<i>6th semester</i>												
1		2		3		4	2	2	<i>OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4</i>	<i>lecture using video materials</i>	<i>phantom teeth with cavities for opening the crown, apex locator, endomotor</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
2			3		4	2	2	<i>OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4</i>	<i>problematic lecture</i>	<i>phantom teeth with cavities for opening the crown, apex locator, endomotor</i>	<i>classes using phantom jaws</i>	
3		2		3		4	2	2	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>phantom teeth with cavities for opening the crown, apex locator, endomotor</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>

	<b>Educational institution</b> <b>Royal Metropolitan University</b>
	<b>Quality Management System</b> <b>Curriculum for the discipline "Dentistry"</b> <b>Specialty 560004 "Dentistry" of the educational institution "RMU"</b>


4	<i>Mechanical treatment of root canals. Preparation techniques.</i>			3		4	2	2	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>phantom teeth with cavities for opening the crown, apex locator, endomotor</i>	<i>classes using phantom jaws</i>
5	<i>Medicinal treatment of root canals. Irrigation.</i>			3		4	2	2	<i>PC-22, PC-23 PC-38</i>	<i>lecture using video materials</i>	<i>phantom teeth with cavities for opening the crown, apex locator, endomotor</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
6	<i>Temporary root canal filling. Medications.</i>	2		3		4	2	2	<i>OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4</i>	<i>lecture using video materials</i>	<i>phantom teeth with cavities for opening the crown, apex locator, endomotor</i>	<i>classes using phantom jaws</i>
7	<i>Root canal obturation methods. Filling materials.</i>	2		3		4	1	1	<i>OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4</i>	<i>problematic lecture</i>	<i>phantom teeth with cavities for opening the crown, apex locator, endomotor</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities).</i>

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


												<i>Solving situational problems</i>
8	<i>Lateral condensation of gutta-percha. Technique.</i>			3		4	1	1	<i>OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4</i>	<i>lecture using video materials</i>	<i>phantom teeth with cavities for opening the crown, apex locator, endomotor</i>	<i>classes using phantom jaws</i>
9	<i>Vertical condensation of gutta-percha. Modern obturation methods.</i>	2		3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>problematic lecture</i>	<i>phantom teeth with cavities for opening the crown, apex locator, endomotor</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
10	<i>Errors and complications in endodontics. Prevention and elimination.</i>	2		3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>		<i>phantom teeth with cavities for opening the crown, apex locator, endomotor</i>	<i>classes using phantom jaws</i>
11	<i>Acute pulpitis. Clinical presentation. Diagnostics.</i>			3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>		<i>phantom teeth with cavities for opening the</i>	<i>Testing, control work.</i>

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


	<i>Differential diagnostics. Treatment.</i>										<i>crown, apex locator, endomotor</i>	<i>Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
12	<i>Chronic forms of pulpitis. Clinical presentation. Diagnostics. Treatment.</i>			3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>		<i>phantom teeth with cavities for opening the crown, apex locator, endomotor</i>	<i>classes using phantom jaws</i>
13	<i>Periodontitis. Acute forms. Clinical presentation. Diagnosis. Treatment.</i>			3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>		<i>phantom teeth with cavities for opening the crown, apex locator, endomotor</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
14	<i>Chronic periodontitis. Clinic. Diagnostics. Treatment.</i>			3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>		<i>phantom teeth with cavities for opening the crown, apex</i>	<i>classes using phantom jaws</i>

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


												<i>locator, endomotor</i>	
15	<i>Root canal retreatment. Indications. Methods.</i>	2		3		4	1	1	PC-22, PC-23 PC-38			<i>phantom teeth with cavities for opening the crown, apex locator, endomotor</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
16	<i>Endodontic treatment of complicated cases (curved canals, obliteration, perforations).</i>	2		3		4	1	1	PC-22, PC-23 PC-38,			<i>phantom teeth with cavities for opening the crown, apex locator, endomotor</i>	<i>classes using phantom jaws</i>
17	<i>Modern technologies in endodontics (apex locators, microscope, NiTi systems).</i>	2		3		4	1	1	PC-22, PC-23 PC-38			<i>phantom teeth with cavities for opening the crown, apex locator, endomotor</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


18	<i>Modern research methods in endodontics</i>			3		4	1	1	PC-22, PC-23 PC-38,		<i>phantom teeth with cavities for opening the crown, apex locator, endomotor</i>	<i>classes using phantom jaws</i>
	<b>Total 6 semester.</b>	18		54		72	24	24				<b>credit</b>
	<b>7th semester</b>											
1	<i>Structure and functions of periodontal tissues.</i>	2		2		3	2	2	OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
2	<i>Blood supply, innervation, age-related changes in periodontal tissues.</i>			2		3	2	2	OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4	<i>problematic lecture</i>	<i>Jaw models, scaler, dental unit</i>	<i>classes using phantom jaws</i>
3	<i>Methods of examination of patients with periodontal diseases.</i>	2		2		3	2	2	PK-6, PK-15, PK-16, PK-19, PK-20, PK-21	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>Testing, control work. Assessing the development of 3 practical skills</i>

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


												(abilities). Solving situational problems
4	Dental indices.			2		3	1	1	PK-6, PK-15, PK-16, PK-19, PK-20, PK-21	lecture using video materials	Jaw models, scaler, dental unit	classes using phantom jaws
5	Classification of periodontal diseases.	2		2			1	1	PC-22, PC-23 PC-38	lecture-visualization	Jaw models, scaler, dental unit	Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems
6	Etiology of periodontal diseases.			2		3	1	1	OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4	lecture using video materials	Jaw models, scaler, dental unit	classes using phantom jaws
7	Pathogenesis of periodontal diseases.			2		3	1	1	OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4	lecture using video materials	Jaw models, scaler, dental unit	Testing, control work. Assessing the acquisition of practical skills (abilities).

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


												<i>Solving situational problems</i>
8	<i>Catarrhal gingivitis. Clinical presentation. Differential diagnosis. Treatment.</i>	2		2		3	1	1	<i>OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>classes using phantom jaws</i>
9	<i>Hypertrophic gingivitis. Clinical presentation. Differential diagnosis. Treatment.</i>			2		3	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
10	<i>Ulcerative gingivitis. Clinical presentation. Differential diagnosis. Treatment.</i>	2		2		3	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>classes using phantom jaws</i>
11	<i>Acute periodontitis. Clinical presentation. Differential diagnosis. Treatment.</i>	2		2		3	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving</i>

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


												<i>situational problems</i>
12	<i>Chronic periodontitis. Clinical presentation. Differential diagnosis. Treatment.</i>			2		3	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>classes using phantom jaws</i>
13	<i>Periodontosis. Clinic. Differential diagnostics. Treatment.</i>	2		2		3	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
14	<i>Periodontolysis. Eosinophilic granuloma. Lether-Ziwe disease. Clinical presentation. Differential diagnosis. Treatment.</i>	2		2		3	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>classes using phantom jaws</i>
15	<i>Papillon-Lefevre syndrome. Hand-Schüller-Christian disease. Clinical presentation. Differential diagnosis. Treatment.</i>			2		3	1	1	<i>PC-22, PC-23 PC-38</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving</i>

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


												<i>situational problems</i>
16	<i>Periodontomas. Gingival fibromatosis. Clinical presentation. Differential diagnosis. Treatment.</i>	2		2		3	1	1	PC-22, PC-23 PC-38,	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>classes using phantom jaws</i>
17	<i>Epulis. Clinic. Differential diagnostics. Treatment.</i>			2		3	1	1	PC-22, PC-23 PC-38	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
18	<i>Periodontal cyst. Clinical presentation. Differential diagnosis. Treatment.</i>			2		3	1	1	PC-22, PC-23 PC-38,	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>classes using phantom jaws</i>
	<b>Total 7 semester</b>	18		36		54	18	18				<b>Exam</b>
	<b>8th semester</b>											
1	<i>Structure of the oral mucosa. Anatomical and histological features of the oral mucosa. 3</i>	2		3		4	2	2	OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities).</i>

	<b>Educational institution</b> <b>Royal Metropolitan University</b>
	<b>Quality Management System</b> <b>Curriculum for the discipline "Dentistry"</b> <b>Specialty 560004 "Dentistry" of the educational institution "RMU"</b>


												<i>Solving situational problems</i>
2	<i>Oral cavity examination methods. 3</i>			3		4	2	2	<i>OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>classes using phantom jaws</i>
3	<i>Classification of diseases of the oral mucosa. 3</i>	2		3		4	2	2	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
4	<i>Morphological elements of lesions of the oral mucosa. 3</i>			3		4	2	2	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>classes using phantom jaws</i>
5	<i>Traumatic injuries of the oral cavity: mechanical damage.</i>			3		4	2	2	<i>PC-22, PC-23 PC-38</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>

	<b>Educational institution</b> <b>Royal Metropolitan University</b>
	<b>Quality Management System</b> <b>Curriculum for the discipline "Dentistry"</b> <b>Specialty 560004 "Dentistry" of the educational institution "RMU"</b>


6	<i>Traumatic injuries of the oral mucosa: chemical and thermal injuries.</i>	2		3		4	2	2	<i>OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>classes using phantom jaws</i>
7	<i>Herpes simplex: etiology, pathogenesis, clinical symptoms, diagnosis, treatment.</i>	2		3		4	1	1	<i>OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
8	<i>Herpes zoster: etiology, pathogenesis, clinical symptoms, diagnosis, treatment. 3</i>			3		4	1	1	<i>OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>classes using phantom jaws</i>
9	<i>HIV infection: etiology, pathogenesis and general manifestations in the oral cavity.</i>	2		3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>

	<b>Educational institution</b> <b>Royal Metropolitan University</b>
	<b>Quality Management System</b> <b>Curriculum for the discipline "Dentistry"</b> <b>Specialty 560004 "Dentistry" of the educational institution "RMU"</b>


10	<i>Clinical manifestations of HIV infection in the oral cavity. Diagnosis and treatment. 3</i>	2		3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>classes using phantom jaws</i>
11	<i>Impetigo: etiology, pathogenesis, diagnosis, treatment. 3</i>			3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
12	<i>Pyoderma chancroid: etiology, pathogenesis, diagnosis, treatment. 3</i>			3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>classes using phantom jaws</i>
13	<i>Oral tuberculosis: etiology, clinical forms (tuberculous lupus, miliary-ulcerative tuberculosis). 3</i>			3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


14	<i>Oral tuberculosis: primary oral tuberculosis, scrofuloderma 3</i>			3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>classes using phantom jaws</i>
15	<i>Syphilis in the oral cavity: primary, secondary periods. 3</i>	2		3		4	1	1	<i>PC-22, PC-23 PC-38</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
16	<i>Syphilis: tertiary period, diagnosis and treatment. 3</i>	2		3		4	1	1	<i>PC-22, PC-23 PC-38,</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>classes using phantom jaws</i>
17	<i>Gonococcal stomatitis: etiology, clinical symptoms,</i>	2		3		4	1	1	<i>PC-22, PC-23 PC-38</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
18	<i>Diagnosis and treatment of gonococcal stomatitis.</i>			3		4	1	1	<i>PC-22, PC-23 PC-38,</i>	<i>lecture using video materials</i>	<i>Jaw models, scaler, dental unit</i>	<i>classes using phantom jaws</i>

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


	<b>Total 8 semester</b>	18	54	72	24	24				
	<b>9th semester</b>									
1	Anatomical and physiological features of the oral cavity.	2	4	5	2	2	OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4	lecture using video materials	Phantom Jaws	Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems
2	Classification of diseases of the oral mucosa.		4	5	2	2	OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4	lecture using video materials	Phantom Jaws	classes using phantom jaws
3	Traumatic lesions of the oral mucosa. Etiology. Clinical features. Treatment.	2	4	5	2	2	PK-6, PK-15, PK-16, PK-19, PK-20, PK-21	lecture using video materials	Phantom Jaws	Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems
4	Mechanical trauma of the oral mucosa. Etiology. Clinical features. Treatment.		4	5	2	2	PK-6, PK-15, PK-16, PK-19, PK-20, PK-21	lecture using video materials	Phantom Jaws	classes using phantom jaws

	<b>Educational institution</b> <b>Royal Metropolitan University</b>
	<b>Quality Management System</b> <b>Curriculum for the discipline "Dentistry"</b> <b>Specialty 560004 "Dentistry" of the educational institution "RMU"</b>


5	<i>Chemical damage to the oral mucosa. Etiology. Clinical features. Treatment.</i>			4		5	2	2	PC-22, PC-23 PC-38	lecture using video materials	Phantom Jaws	Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems
6	<i>Physical damage to the oral mucosa. Etiology. Clinical features. Treatment.</i>			4		5	2	2	OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4	lecture using video materials	Phantom Jaws	classes using phantom jaws
7	<i>Leukoplakia. Etiology. Clinical features. Treatment.</i>	2		4		5	2	2	OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4	lecture using video materials	Phantom Jaws	Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems
8	<i>Viral diseases of the oral mucosa. Acute herpetic stomatitis. Chronic herpetic stomatitis. Etiology. Clinical presentation. Treatment.</i>	2		4		5	2	2	OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4	lecture using video materials	Phantom Jaws	classes using phantom jaws

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


9	<i>Viral diseases of the oral mucosa. Herpangina. Foot-and-mouth disease. Etiology. Clinical presentation. Treatment.</i>			4		5	2	2	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
10	<i>Syphilis. Etiology. Clinical features. Treatment.</i>	2		4		5	2	2	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>classes using phantom jaws</i>
11	<i>Tuberculosis. Etiology. Clinical features. Treatment.</i>	2		4		5	2	2	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
12	<i>Candidiasis. Etiology. Clinical features. Treatment.</i>	2		4		5	2	2	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>classes using phantom jaws</i>
13	<i>Allergic diseases of the oral mucosa</i>			4		5	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>Testing, control work.</i>

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


												Assessing the acquisition of practical skills (abilities). Solving situational problems
14	<i>Erythema multiforme exudative. Etiology. Clinical features. Treatment.</i>	2		4		5	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>classes using phantom jaws</i>
15	<i>Recurrent aphthous stomatitis. Etiology. Clinical features. Treatment.</i>			4		5	1	1	<i>PC-22, PC-23 PC-38</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
16	<i>Oesophageal reflux disease in exogenous intoxications. Etiology. Clinical features. Treatment.</i>	2		4		5	1	1	<i>PC-22, PC-23 PC-38,</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>classes using phantom jaws</i>
17	<i>Oral mucosa in hypovitaminosis. Etiology. Clinical features. Treatment.</i>			4		5	1	1	<i>PC-22, PC-23 PC-38</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>Testing, control work. Assessing the acquisition of</i>

	<p align="center">Educational institution Royal Metropolitan University</p>
	<p align="center">Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"</p>


												<i>practical skills (abilities). Solving situational problems</i>
18	<i>Occipital mucosa in systemic diseases. Etiology. Clinical features. Treatment.</i>		4		5	1	1	PC-22, PC-23 PC-38,	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>classes using phantom jaws</i>	
	<b>Total 9 semester</b>	18	72		90	30	30		<i>lecture using video materials</i>			
	<b>10th semester</b>											
1	<i>Leukoplakia. Differential diagnosis. Treatment.</i>	2	3		4	2	2	OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>	
2	<i>Lichen planus. Clinical presentation. Differential diagnosis. Treatment.</i>	2	3		4	2	2	OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>classes using phantom jaws</i>	

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


3	<i>Lupus erythematosus. Clinical presentation. Differential diagnosis. Treatment.</i>	2		3		4	2	2	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
4	<i>Pemphigus. Clinical presentation. Differential diagnosis. Treatment.</i>			3		4	2	2	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>classes using phantom jaws</i>
5	<i>Dermatitis herpetiformis Duhring. Clinical presentation. Differential diagnosis. Treatment.</i>			3		4	2	2	<i>PC-22, PC-23 PC-38</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
6	<i>Pemphigoid. Clinical presentation. Differential diagnosis. Treatment.</i>	2		3		4	2	2	<i>OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>classes using phantom jaws</i>
7	<i>Folded tongue. Clinical presentation. Differential diagnosis. Treatment.</i>	2		3		4	1	1	<i>OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>Testing, control work.</i>

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"

												Assessing the acquisition of practical skills (abilities). Solving situational problems
8	<i>Black (hairy tongue) tongue. Clinical presentation. Differential diagnosis. Treatment.</i>		3		4	1	1	<i>OK-1, IK-1, SLK-1, PC-2, PC-3, PC-4</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>classes using phantom jaws</i>	
9	<i>Desquamative glossitis. Clinical presentation. Differential diagnosis. Treatment.</i>	2	3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>	
10	<i>Rhomboid glossitis. Clinical presentation. Differential diagnosis. Treatment.</i>	2	3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>classes using phantom jaws</i>	
11	<i>Exfoliative cheilitis. Clinical presentation. Differential diagnosis. Treatment.</i>		3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>Testing, control work. Assessing the acquisition of</i>	

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"


												<i>practical skills (abilities). Solving situational problems</i>
12	<i>Glandular cheilitis. Clinical presentation. Differential diagnosis. Treatment.</i>			3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>classes using phantom jaws</i>
13	<i>Actinic and meteorological cheilitis. Clinical presentation. Differential diagnosis. Treatment.</i>			3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
14	<i>Contact allergic cheilitis. Clinical presentation. Differential diagnosis. Treatment.</i>			3		4	1	1	<i>PK-6, PK-15, PK-16, PK-19, PK-20, PK-21</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>classes using phantom jaws</i>
15	<i>Atopic cheilitis. Clinical presentation. Differential diagnosis. Treatment.</i>	2		3		4	1	1	<i>PC-22, PC-23 PC-38</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities).</i>

	Educational institution Royal Metropolitan University
	Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"

												<i>Solving situational problems</i>
16	<i>Eczematous cheilitis. Macrocheilitis. Clinical presentation. Differential diagnosis. Treatment.</i>	2		3		4	1	1	<i>PC-22, PC-23 PC-38,</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>classes using phantom jaws</i>
17	<i>Occupational diseases of the respiratory tract.</i>	2		3		4	1	1	<i>PC-22, PC-23 PC-38</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
18	<i>Prevention of oral mucosal diseases</i>			3		4	1	1	<i>PC-22, PC-23 PC-38,</i>	<i>lecture using video materials</i>	<i>Phantom Jaws</i>	<i>classes using phantom jaws</i>
	<b><i>Total 10 sem</i></b>	<b><i>18</i></b>		<b><i>54</i></b>		<b><i>72</i></b>	<b><i>24</i></b>	<b><i>24</i></b>				
	<b><i>Total hours by discipline:</i></b>	<b><i>108</i></b>		<b><i>324</i></b>		<b><i>43</i></b>	<b><i>144</i></b>	<b><i>144</i></b>				
						<b><i>2</i></b>						

### **Guidelines for completing practical classes**

Practical classes in therapeutic dentistry follow the lecture course and serve as explanatory, generalizing, and reinforcing elements. They can be held in either virtual classrooms or in the clinic.

	<p>Educational institution Royal Metropolitan University</p>
	<p>Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"</p>

### Lesson preparation plan:

1. Studying lecture notes and a textbook on the topic (for example, “Pulp diseases” or “Periodontitis”).
2. Study of the anatomical and morphological features of the teeth discussed in this topic.
3. Familiarization with the instruments and materials required to perform manipulations.
4. Preparing answers to self-assessment questions.

### Guidelines for completing independent work (IW)

When studying the discipline "Therapeutic Dentistry", the following types of independent work are used:

- Study of theoretical material from lecture notes and textbooks.
- **Practicing manual skills** on dental dummies and phantoms (preparation, filling, root canal treatment).
- Independent study of specific topics (for example, “Modern methods of teeth whitening” or “The use of lasers in endodontics”) with the preparation of presentations.
- Analysis of clinical protocols and scientific articles on current issues in modern dentistry.
- Solving situational problems and interpreting data from additional research methods (X-rays, CBCT, EOD).



No.	Topic of independent work for students of 5th semester:	Assignment for independent work	Recommended reading
1.	Modern ergonomics in dentistry. Four-handed work. Types of dental handpieces.	Abstract, presentation, report preparation.	1. Borovsky E.V. Therapeutic dentistry. 2. Trezubov V.V. Dental office: equipment and facilities. 3. Therapeutic dentistry. National guidelines.
2.	Professional oral hygiene as a stage of examination and preparation for caries treatment. Hygiene indices.	Abstract, presentation, skills development.	1. Ulitovsky S.B. Oral hygiene. 2. Kuzmina I.A. Prevention of dental diseases. 3. Nikolaev A.I. Practical therapeutic dentistry.
3.	Hereditary disorders of dental tissue development: amelo- and dentinogenesis imperfecta. Differential diagnosis.	Abstract, presentation, compilation of tables.	1. Groshikov M.I. Non-carious lesions of dental tissues. 2. Therapeutic dentistry / edited by G.M. Barer. 3. Borovsky E.V. Therapeutic dentistry.
4.	Acid necrosis of enamel. Occupational hazards and their impact on dental hard tissues. Preventive measures.	Abstract, presentation, report preparation.	1. Nikolaev A.I. Practical therapeutic dentistry. 2. Therapeutic dentistry. National guidelines. 3. Groshikov M.I. Non-carious lesions of dental tissues.
5.	Modern methods of dental splinting for traumatic injuries. Types of splints and composite materials.	Abstract, presentation, preparation using dummies.	1. Lutsкая I.K. Dental trauma. 2. Maksimovsky Yu.M. Phantom course of therapeutic dentistry. 3. Borovsky E.V. Therapeutic dentistry.
6.	The role of diet and carbohydrates in the development of dental caries. Stefan curve. Cariogenic microflora.	Abstract, presentation, report preparation.	1. Leontiev V.K., Pakhomov G.N. Prevention of dental diseases. 2. Okushko V.R. Fundamentals of tooth physiology. 3. DentalCaries / Fejerskov O.
7.	Deep fluoridation and remineralization therapy in the treatment of early caries. Modern preparations.	Abstract, presentation, analysis of clinical cases.	1. Borovsky E.V. Dental caries. 2. Nikolaev A.I., Tsepov L.M. Practical therapeutic dentistry. 3. Kuzmina I.A. Prevention of dental diseases.
8.	Isolation of the working field in therapeutic dentistry: Cofferdam (Rubberdam) system, Optradam. Application technique.	Presentation, video demonstration, work on phantoms.	1. Nikolaev A.I. Practical therapeutic dentistry. 2. Maksimovsky Yu.M. Phantom course. 3. Handbook of dentistry edited by Borovsky.
9.	Psychological preparation of the patient for dental intervention.	Abstract, presentation, report preparation.	1. Dentistry: textbook / edited by T.G. Robustova. 2. Borovsky E.V. Therapeutic



No.	Topic of independent work for students of 5th semester:	Assignment for independent work	Recommended reading
	Specific aspects of first-time patient consultations.		dentistry. 3. Ethics and deontology in dentistry.

**Guidelines/instructions for students**

**3.1. Methodological recommendations for students on studying the discipline**

The theoretical component of the "Therapeutic Dentistry" course is designed not only to deepen and consolidate the knowledge acquired in the classroom, but also to promote the development of students' clinical thinking, initiative, and skills in organizing the dentist's working time.

- **Working with lectures:** The material taken during lectures must be regularly reviewed and supplemented with information from specialized periodicals (magazines "Dentistry", "Endodontics", etc.).
- **Preparation for the topics:** When studying a new topic, it is necessary to first read the recommended literature and make a brief summary of the main provisions, classifications (for example, the Black classification of caries or ICD-10) and treatment protocols.
- **Workbook:** Each student keeps a workbook (practical classes diary), the design of which must meet the following requirements:
  - Availability of a title page indicating full name, group and course.
  - Numbering of each work, recording of the date and topic of the lesson.
  - Recording the title of the work, the purpose, description of the clinical situation or stages of preparation/filling.
  - **Graphic part:** Presentation of odontoglyphic diagrams, graphic representation of carious cavities, filling in the dental formula.
  - **Conclusions:** At the end of each work, a justification for the chosen treatment method or a brief conclusion based on the results of the clinical analysis is formulated.

**Annotation** This is a brief written summary of the content of a research paper on a given topic. It is an independent research project in which the student explores the essence of the problem being studied, using elements of analysis relevant to the essay topic.

The essay presents various points of view, as well as personal perspectives on the issues raised in the essay topic. The essay's content should be logical, and the presentation of the material should be problem-based and thematic.

*Requirements for writing annotations:*

The annotation may be 9 to 10 pages long, typed or handwritten.



Main sections: table of contents (brief outline), introduction, main content, conclusion, bibliography.

The annotation text should contain the following sections:

- Title page indicating: name of the university, faculty, topic of the abstract, full name of the author and full name of the instructor.

-Introduction, relevance of the topic

-main section

-Conclusion (analysis of literature search results)

conclusions

-The list of references must contain at least 10 bibliographic titles, including online resources.

The text part of the annotation is drawn up on a sheet of paper in the following format:

-Top margin – 2 cm; left margin – 3 cm; right margin – 1.5 cm; bottom margin – 2.5 cm;

-Text font: Times New Roman, font height – 14, spacing – 1.5;

-Page numbers are at the bottom of the page. The first page is unnumbered. The abstract must be completed correctly and in accordance with generally accepted presentation formatting standards. References must be included, including periodicals from the past five years.

*Abstract evaluation criteria:*

-Relevance of the research topic;

-compliance of the content with the topic;

-depth of material processing;

-the correctness and completeness of the formulation of the questions posed;

-the significance of the results obtained for further practical activities;

-correctness and completeness of use of literature;

-compliance of the abstract project with the standard;

-Quality of presentation and answers to questions during the defense of the report abstract.

**Report** This is a brief but informative message reflecting the essence of the issue under consideration and various opinions on the topic under study. In some cases, the author's personal perspective may be expressed within the context of the thematic questions.

*Reporting requirements:*

The volume of text should not exceed five printed pages.

The quality report has four main structural elements:

1) introduction;

2) Introduction (at this stage, the speaker must interest the audience, formulate the relevance and novelty of the research, emphasize the importance and purpose of the work performed);

3) the main part (it describes the research methods used, the work done, and analyzes the results obtained); 4) conclusion (summarizing the results of the work).

*The text part of the report has been compiled.* on a sheet of the following format:

-Top margin – 2 cm; left margin – 3 cm; right margin – 1.5 cm; bottom margin – 2.5 cm;



–Text font: Times New Roman, font height – 14, spacing – 1.5;

–Page numbers are at the bottom of the sheet. There is no number on the first page.

*Evaluation criteria:*

- timeliness of submission;
- compliance with requirements;
- depth of material processing;
- compliance of the content with the topic;
- correctness and completeness of the source use.

### **List of basic and additional literature**

#### **- Main literature**

**- a) main literature:**

- 1. Therapeutic dentistry: textbook / O. O. Yanushevich, Yu. M. Maksimovsky, L. N. Maksimovskaya, L. Yu. Orekhova. - 3rd ed. , processed and additional - Moscow: GEOTAR-Media, 2023
- 2. Therapeutic dentistry. Dental diseases. In 3 parts. Part 1.: textbook / edited by E. A. Volkov, O. O. Yanushevich - Moscow: GEOTAR-Media, 2015.
- 3. Therapeutic dentistry: in 3 parts. Part 2: Periodontal diseases: textbook / edited by G. M. Barer. - Moscow: GEOTAR-Media, 2021
- 4. Therapeutic dentistry. In 3 parts. Part 3. Diseases of the oral mucosa: textbook / Ed. G. M. Barer - 2nd ed., supplemented and revised. - Moscow: GEOTAR-Media, 2015
- 5. Therapeutic dentistry. Caries and diseases of dental hard tissues. Endodontics: a guide to practical training: a tutorial / Yu. M. Maksimovsky, A. V. Mitronin; edited by Yu. M. Maksimovsky. - Moscow: GEOTAR-Media, 2021

**- b) additional literature:**

- 1. Dentistry. International classification of diseases. Clinical characteristics of nosological forms / M. Ya. Alimova, L. N. Maksimovskaya, L. S. Persin, O. O. Yanushevich - Moscow: GEOTAR-Media, 2016
- 2. Therapeutic dentistry. Dental diseases. In 3 parts. Part 1: textbook / edited by E. A. Volkov, O. O. Yanushevich - Moscow: GEOTAR-Media, 2016
- 3. Dentistry. Recording and Maintaining a Case History: A Guide / Edited by V. V. Afanasyev, O. O. Yanushevich. - 2nd ed., corrected and enlarged. - Moscow: GEOTAR-Media, 2016



Educational institution Royal Metropolitan University
Quality Management System Curriculum for the discipline "Dentistry" Specialty 560004 "Dentistry" of the educational institution "RMU"

- 4.Features of disinfection and sterilization in dentistry: a textbook / E. A. Bazikyan - Moscow: GEOTAR-Media, 2016
- 5.Anesthesia and intensive care in dentistry / Gritsuk S. F. - Moscow: GEOTAR-Media, 2012
- 6.Histology and embryology of the oral cavity organs and teeth / V. V. Gemonov, E. N. Lavrova, L. I. Falin - Moscow: GEOTAR-Media, 2016
  
- **List of resources of the information and telecommunications network "Internet" necessary for mastering the discipline**
- Provide links to websites that are publicly accessible.
- **List of resources of the information and telecommunications network "Internet" required for mastering the discipline (modules)**
- [-www.kyrlibnet.kg](http://www.kyrlibnet.kg).
- [-www.iprbookshop.ru](http://www.iprbookshop.ru).
- [-www.consilium-medicum.com](http://www.consilium-medicum.com).
- [-www.medportal.ru](http://www.medportal.ru).
- [-www.studmedlib.ru](http://www.studmedlib.ru)
- - Cochrane.org, sciencedirect.com.
- -www.mediliter.ru,www.meduniver.com,
- - kingmed.info, vk.com, itweek.ru, medlit.biz,
- - allmedbook.ru, booksmed.com, medicalenglish.ru,
- - library.bsu.edu.ru, rutracker.org.
- **Monitoring and evaluation of learning outcomes**
- Each module is assessed on a 100-point scale. The maximum score is 100.
- A student is allowed to take the final test if he or she has scored a certain number of points in all subjects.
- Discipline 60 or more points.

<b>Evaluation criteria</b>	<b>Module 1</b>	<b>Module 2</b>
Classroom activities (participation in discussions, oral questions, group work, etc.)	40 points	40 points
Independent work: essay, report.	20 points	20 points
Total for the module (testing, situational task)	40 points	40 points
Final score for the course (test):	100 points	100 points



- **Evaluation system**
- The maximum number of points for each module is 100, including:  
Independent Student Work (ISW) – 20 points.
- Current score: 40 points
- Midterm assessment (module) – 40 points
- The results of all modules for the semester are summed up and the average score is calculated.
- Students must make up missed classes and unsatisfactory grades in accordance with the faculty duty schedule established by the department.
- Retaking a module is only permitted for a valid reason and must be completed no later than two weeks after the module's due date.
- Admission to the final assessment
- A student is admitted to the final assessment (differentiated credit or exam) if he or she scores 60 points or more in a given subject.
- Credit system
- The credit system uses a multi-point grading scale with letter designations, which allows teachers to assess students' knowledge more flexibly.
- The final assessment in the form of a credit is based on attendance, the current assessment and the midterm (module) assessment.
- Final assessment format: Credit/Exam.
- 

Rating and Scoring Scale				
Maximum points				
	unsatisfactory	satisfactorily	good	great
20	0-11	12-15	16-17	18-20
40	0-23	24-30	31-35	36-40
60	0-35	36-45	46-53	54-60
100	0-59	60-75	76-89	90-100



Check (%)	Letter	Average score	Numerical	Traditional
96–100	A+	4.00	5	Great
93–95.99	A	3.75		
90–92.99	A-	3.67		
87–89.99	B+	3.33	4	Good
83–86.99	B	3.00		
80–82.99	B-	2.67		
77–79.99	C+	2.33	3	Satisfactorily
73–76.99	WITH	2.00		
70–72.99	WITH-	1.67		
67–69.99	D+	1.33	2	Satisfactorily
63–66.99	D	1.00		
60–62.99	D-	0.67		
0–59.99	F	0.00	1	Failure

- **I**– assigned to a student who has failed to complete all course requirements for a valid reason. The student has the right to complete all course requirements within the time limit established by the educational institution, after which the grade will be adjusted.
- **IN**– awarded to a student who decides to withdraw from a course no later than the sixth week of the semester. Applies only to elective courses.
- **AB**– is awarded to a student who has attended at least 80% (eighty percent) of the classes in the additional course as a listener (without receiving a grade).
- The average grade point average for each subject is calculated automatically in the AVN information system.
- Based on academic performance, a grade point average (GPA) is calculated, with a maximum value of 4.0. A student's GPA is determined at the end of each semester and is totaled at the end of the entire course of study.
- 
- **Evaluation criteria:**
- **Practical lesson assessment criteria:**
- - *excellent grade* This grade is awarded to a student if he/she has knowledge of the discipline in the full scope of the program and understands it deeply enough; independently, in a logical sequence and exhaustively answers all questions, highlighting the most significant; is able to analyze, compare, classify, generalize, concretize and systematize the studied material, highlighting the main points in it;



- - *Rating "good"*: The student has a virtually complete knowledge of the subject according to the program (gaps in knowledge exist only in some sections); independently and partially with leading questions, provides complete answers to questions in the assignment; does not always highlight the most important things, but at the same time does not make serious errors in the answers;
- - *rating "satisfactory"* This test is administered in cases where the student has basic knowledge of the subject; has difficulty answering independently, uses inaccurate wording; makes mistakes in answering questions;
- - *grade "unsatisfactory"* This pass is issued in cases where the student has not mastered the required minimum level of knowledge on the subject and cannot answer the questions on the pass even taking into account additional leading questions from the teacher.
- **Criteria for assessing practical skills:**
- - *Excellent rating* The award is granted when all stages of the obstetric and gynecological examination are thoroughly and systematically performed. Clear and professional communication with the patient is essential during the examination. The student must have a thorough understanding of the obstetric and gynecological aspects being studied, including the analysis and interpretation of specific symptoms.
- - *Rating "good"* This skill is considered proven upon competent performance of the basic stages of an obstetric and gynecological examination and effective interaction with the patient, ensuring understanding and trust. It also requires the ability to identify key symptoms and conduct appropriate analysis.
- - *Rating "satisfactory"* Provided for the main stages of an obstetric and gynecological examination, but with some limitations, misunderstandings, and communication errors. Basic knowledge of symptoms and their interpretation is provided.
- - *Rating "unsatisfactory"* Punishment is imposed if a student makes serious errors or omissions during an obstetric-gynecological examination, as well as if there are communication problems that may cause difficulties or even dissatisfaction for the patient during the examination.
- 
- **Criteria for evaluating abstracts:**
- - *excellent grade* A student is given a grade if the essay topic is fully covered, excellent mastery of the material is demonstrated, relevant sources are used in the required quantity, the structure of the work corresponds to the assigned tasks, and the degree of independence in the work is high;
- - *rating "good"* A student is given a grade if the essay topic is generally covered, good assimilation of the material is demonstrated, relevant sources are used, the structure of the work generally corresponds to the assigned tasks, and the degree of independence is average;



- - *rating "satisfactory"* This grade is given to a student if the essay topic is poorly covered, satisfactory assimilation of the material is demonstrated, the sources used and the structure of the work partially correspond to the set tasks, and the degree of independence of the work is low;
- - *grade "unsatisfactory"* This grade is given to a student if the essay topic is not covered, a low level of assimilation of the material is demonstrated, the sources used are insufficient, the structure of the work does not correspond to the set objectives, the work is not independent.
- **Project evaluation criteria:**
- - *Excellent rating* The award is given to students whose projects demonstrate outstanding depth of research into issues and aspects of obstetrics and gynecology and present innovative research approaches. Effective outreach highlights the project's creativity and originality, as well as active community engagement. The project's organization and structure should be well-organized, logically structured, and ideas should be presented clearly and professionally.
- - *rating "good"* The award is given to students who demonstrate in-depth research on obstetrics and gynecology issues and aspects, supported by concrete facts and data. The learning impact is significant, but there is room for improvement. The presence of creative elements lends the project originality, but some aspects may require refinement. Community engagement is positive, but could be more intense. The project's organization and structure are generally good, but some areas may require improvement.
- - *rating "satisfactory"* The project is presented to students if it meets the minimum requirements for studying obstetrics and gynecology topics and aspects, but requires refinement. The learning effectiveness is basic, and the project could be improved in this area. The project contains creative elements, but these could be expanded and deepened. Community engagement could be more active. The project's organization and structure require additional attention to improve clarity and coherence.
- - *grade "unsatisfactory"* The project offered to students does not meet basic standards and does not provide sufficient depth of study of obstetrics and gynecology issues. The learning effectiveness is extremely limited, lacking creativity and originality. Community participation is insufficient or nonexistent. The project's organization and structure raise serious concerns, making it difficult to understand and disorganized.
- **Test evaluation criteria, MSQ:**
- - *excellent grade* The test's successful completion award is given to a student who provides correct, insightful, and understandable answers, demonstrating a high level of knowledge and its practical application. Important factors include the student's ability to solve complex problems, demonstrate creativity, and meet test requirements. Criteria may vary, but the general



requirement is an excellent understanding and successful application of the course material (with a score of 90 or more correct answers).

- - *"good"* grade A test grade is awarded to a student if they demonstrate a good knowledge of the subject, provide correct answers, clearly and concisely express their thoughts, and successfully complete the main aspects of the test questions. This grade may also reflect the student's ability to apply acquired knowledge in various situations and effectively utilize acquired skills within the test questions (number of correct answers from 76 to 89).
- - *"satisfactory"* A test grade is awarded to a student who has demonstrated a basic understanding of the subject, provided answers that meet the minimum requirements, and successfully completed the main elements of the test. This grade may indicate that the student has mastered the basics of the material, but may not have achieved a high level of depth of knowledge or was unable to cope with more complex aspects of the tasks (with 60-75 correct answers).
- - *grade "unsatisfactory"* A "fail" grade is given to a student if their knowledge of the subject is insufficient, their answers contain significant errors, or do not meet the minimum requirements, or if the student fails to address key aspects of the test. This grade indicates an unsatisfactory level of mastery of the material and an inability to apply knowledge to the test questions (provided the student answered up to 59 questions correctly).

**The scale of correspondence between grades and scores on the final test.**

Points	Grade
90-100	"Great"
76-89	"Good"
60-75	"Satisfactorily"
0-59	"Unsatisfactory"

- **Academic Discipline Policy:**
  - - mandatory attendance of classes;
  - - active participation of the student in practical classes;
  - - preliminary preparation and homework;
  - - High quality and timely completion of SIW tasks;
  - - participation in all types of control (current, control, final);
  - - Being late for classes and/or leaving before the end of classes for any reason is considered one missed class, which cannot be made up;
  - - The following is unacceptable: using mobile phones during classes, cheating and plagiarism, late submission of assignments, failure to comply with subordination and rules of conduct.
- **Help:**



<b>Educational institution</b> <b>Royal Metropolitan University</b>
<b>Quality Management System</b> <b>Curriculum for the discipline "Dentistry"</b> <b>Specialty 560004 "Dentistry" of the educational institution "RMU"</b>

- For consultations on completing independent work (IA/SAU), its presentation and defense, as well as to obtain additional information on the material being studied and on all other issues arising in connection with the course being taught, please contact the teacher during the hours allocated for IAW.