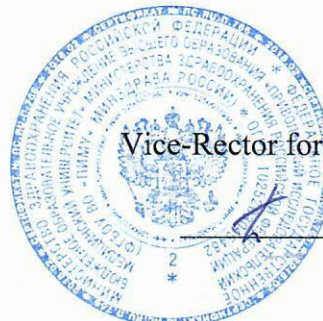


Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation



APPROVED
Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021

WORKING PROGRAM

Name of the academic discipline: **Planning of treatment of anomalies and deformities of the dental and maxillary system**

Specialty: **31.05.03 - DENTISTRY**

Qualification: **DENTIST**

Department: **ORTHOPEDIC DENTISTRY AND ORTHODONTICS**

Form of study: **FULL-TIME**

Labor intensity of the academic discipline: **72 academic hours**

Nizhny Novgorod

2021

The work program was developed in accordance with the Federal State Educational Standard for the specialty 31.05.03 "DENTISTRY" approved by Order of the Ministry of Science and Higher Education of the Russian Federation No. 984 dated August 12, 2020.

Developers of the working program:

Saakyan M.Yu., Doctor of Medical Sciences, Associate Professor, Head of the Department of Orthopedic Dentistry and Orthodontics «PRMU»;

Bulekova O.V., Candidate of Medical Sciences, Associate Professor of the Department of Orthopedic Dentistry and Orthodontics «PRMU».

The program was reviewed and approved at the meeting of the Department of Orthopedic Dentistry and Orthodontics «PRMU» (Protocol № 1 of 30.08.2021).


Head of the Department,
Doctor of Medical Sciences, Associate Professor



Saakyan M.Yu.

30 August 2021

AGREED

Deputy Head of EMA ph.d. of biology  Lovtsova L.V.

30 August 2021

1. GOALS AND OBJECTIVES OF THE DISCIPLINE DEVELOPMENT — Planning of treatment of anomalies and deformities of the dental and maxillary system

- **The purpose of mastering the discipline is to master universal, general professional and professional competencies: CC – 1, PC – 1, PC – 2, PC – 6, PC – 7.**

Tasks of the discipline:

To know:

1. Principles of dispensary dental observation of various age-sex and social groups of the population, rehabilitation of patients.
2. Maintenance of standard accounting and reporting medical documentation in medical organizations of dental profile.
3. The complex relationship between dental health, nutrition, general health, diseases, and the use of medications.
4. General principles and features of the diagnosis of hereditary diseases and congenital anomalies.
5. Biomechanics of the dental system.
6. Properties of dental materials and preparations used in dental practice.
7. Dental instruments and equipment.
8. Stages of orthodontics development, the role of leading scientists in the development of the discipline. Principles of organization of the orthodontic office and department, methods of disinfection and sterilization of dental equipment and instruments.
9. Etiology, pathogenesis, diagnosis, clinical picture and principles of treatment of patients with anomalies of the dental system.

Be able to:

1. Collect a complete medical history of the patient, including data on the condition of the oral cavity and teeth, conduct a survey of the patient and relatives (collect biological, medical, psychological and social information).
2. Interpret the results of examinations, make a preliminary diagnosis to the patient, outline the scope of additional studies to clarify the diagnosis.
3. Formulate a clinical diagnosis.
4. Maintain medical documentation of various types of dental outpatient and inpatient institutions.
5. Promote a healthy lifestyle.
6. To carry out work on the promotion of dental health aimed at the prevention of hereditary and congenital diseases.
7. Evaluate radiation and ultrasound diagnostics used in dental practice.
8. Make a diagnostic impression, fix the bite with occlusal rollers, cast the model.
9. Evaluate the effectiveness and safety of the treatment.
10. Apply methods of asepsis and antiseptics, medical instruments, medical devices for laboratory diagnostic and therapeutic purposes.
11. Monitor laboratory production of orthodontic devices.
12. Work with dental instruments, materials, tools and equipment.
13. To determine the degree of mobility of the teeth, as well as the degree of periodontal atrophy.
14. Determine the malleability and mobility of the oral mucosa.
15. Read radiographs (sighting, panoramic, orthopantomograms).
16. To carry out early diagnosis, differential diagnosis, to assess the severity of the patient's

- condition, to determine indications for treatment.
17. Determine the scope and sequence of special diagnostic measures, evaluate their reasonableness.
 18. Make and justify a plan of therapeutic measures, formulate indications and contraindications for orthodontic treatment.
 19. To assess the need for the participation of doctors of related specialties in the complex treatment of children and adults.
 20. To organize medical examination, rehabilitation, examination of the ability to work of patients with dental anomalies.
 21. To draw up the documentation of the primary patient with anomalies of the dental system.
 22. Conduct a patient survey to identify complaints, life history and disease.
 23. Conduct an external examination of the patient: determine the type of patient profile, facial asymmetry.
 24. Perform palpation of facial and masticatory muscles.
 25. Perform palpation and auscultation of the temporomandibular joint.
 26. To carry out an examination of the oral cavity: to determine the length of the frenules of the upper lip and tongue, bite, the shape of the dental arches, the degree of incisor overlap, anomalies of the position of the teeth.
 27. Conduct the reading of panoramic radiographs of the jaws, TMJ tomograms.
 28. Perform the calculation of TRG in a lateral projection.
 29. To measure the dental arch of the upper jaw according to the Pon index.
 30. To measure the dental arch of the lower jaw by the Pon index.
 31. To measure the dental arch of the upper jaw according to the Korkhaus index.
 32. To measure the dental arch of the lower jaw according to the Korkhaus index.
 33. Determine the sum of the mesiodistal dimensions of the incisors of the upper jaw by the Tone index.
 34. Determine the sum of the mesiodistal dimensions of the incisors of the upper jaw by the Eckel index.
 35. Determine the sum of the mesiodistal dimensions of the incisors of the lower jaw by the Tone index.
 36. Determine the sum of the mesiodistal dimensions of the incisors of the lower jaw by the Eckel index.
 37. Determine the deficit or excess of space in the dental arch of the upper jaw.
 38. Determine the deficit or excess of space in the dental arch of the lower jaw.
 39. Determine the depth of the sky by the Korkhaus index.
 40. To carry out the manufacture of a non-removable retention device on the dentition of the upper jaw.
 41. To carry out the manufacture of a non-removable retention device on the dentition of the lower jaw.
 42. Carry out the bending of the arc of the 1st order.
 43. Carry out the bending of the arc of the 2nd order.
 44. Carry out the bending of the arc of the 3rd order.
 45. Perform omega-bends of the arc in the area of the first molars.
 46. Formulate a diagnosis.
 47. Activate removable orthodontic devices.
 48. Activate non-removable orthodontic devices.
 49. Perform correction of orthodontic devices.

Own:

1. Methods of maintaining medical accounting and reporting documentation in medical organizations.
2. Assessments of the state of dental health of the population of various age and gender groups.

3. Methods of general clinical examination of children and adults.
4. Clinical methods of examination of the maxillofacial area.
5. Interpretation of the results of laboratory, instrumental diagnostic methods in patients of different ages.
6. The algorithm of making a preliminary diagnosis to patients and, if necessary, with their subsequent referral for additional examinations and to specialist doctors.
7. An algorithm for making a detailed clinical diagnosis of patients.
8. The method of reading various types of radiographs.
9. Determination of dental indices.
10. Methods of diagnosis and treatment of patients with anomalies of the dental system using removable orthodontic devices.
11. Methods of prevention of anomalies of the dental system with the use of preventive devices.
12. Methods of prevention of anomalies of the dental system with the use of myogymnastics.
13. Methods of dispensary observation of patients with anomalies of the dental system.
14. Methods of preserving the results of the treatment.

2. THE PLACE OF DISCIPLINE IN THE STRUCTURE OF THE OOP HPE

2.1 The discipline "Planning of treatment of anomalies and deformities of the dental-maxillary system" refers to the variable part of block 1 "Disciplines (modules)" of the OOP IN. The discipline is studied in the tenth semester.

2.2. To study the discipline, knowledge, skills and abilities formed by previous disciplines/practices are necessary:

human anatomy, histology with embryology, pathological anatomy and physiology, normal physiology, medical physics and computer science, pharmacology, organic and inorganic chemistry, microbiology, propaedeutic dentistry, pediatric dentistry, orthopedic dentistry, orthodontics and pediatric prosthetics.

2.3. The study of the discipline is necessary for the knowledge, skills and abilities formed by subsequent disciplines / practices: therapeutic dentistry, surgical dentistry, maxillofacial orthopedics

3. Results of discipline development and indicators of competence achievement.

The study of the discipline is aimed at the formation of the following universal (CC) and professional (PC) competencies among students:

n/a	Com peten ce code	The content of the competence (or part of it)	Code and name of the competence achievement indicator	As a result of studying the discipline , students should:		
				To know	Be able to	Own
1	UK - 1	UK-1. He is able to carry out a critical analysis of problem situations based on a systematic approach, to develop a strategy of actions	ID-1 CC-1.1 Drawing up a clear picture of the pathogenesis of the formation of anomalies of the dental system ID-2 UK-1.2	Methods of information analysis and synthesis	Think abstractly, analyze and synthesize information	Abstract thinking, analysis and synthesis of the received information

			Visualization and reproduction of changes in the structure of the dental system during and as a result of the treatment			
PC -1	PC-1 ability and readiness to implement a set of measures aimed at preserving and strengthening health and including the formation of a healthy lifestyle of the patient (their relatives / legal representatives). Prevention of the occurrence and (or) spread of dental diseases, their early diagnosis, identification of the causes and conditions of occurrence and development, as well as prevention.	<p>ID-1 PC-1 Planning and implementation of a set of measures aimed at preserving and strengthening health, including diagnostic studies using modern technical means and digital technologies.</p> <p>ID-2 PC-1 Selection and justification of ways to maintain a healthy lifestyle, prevention of the occurrence and (or) spread of dental diseases</p>	A set of measures aimed at preserving and strengthening health and including the formation of a healthy lifestyle, prevention of the occurrence and (or) spread of dental diseases.	To carry out a set of measures aimed at preserving and strengthening health and including the formation of a healthy lifestyle, prevention of the occurrence and (or) spread of dental diseases.	A set of measures aimed at preserving and strengthening health and including the formation of a healthy lifestyle, prevention of the occurrence and (or) spread of dental diseases.	
pk – 2	PC-2 the ability and readiness to conduct preventive medical examinations, medical examination of various categories of citizens and the implementation	<p>ID-1 PC-2 Preparation of a set of preventive measures to prevent the formation of anomalies of the dental system</p> <p>ID-2 pcs-2 Drawing up a plan of</p>	Preventive and medical examination of patients with malocclusion. Preventive devices. Stages of development of the facial	Prevention and medical examination of patients with malocclusion. To organize myogymnastics in children's institutions.	Methods preventive examinations and medical examination of patients with malocclusion. The methodology of the organization, conduct and control of	

		of dispensary supervision of patients with dental pathology	dispensary observation of the patient before the end of the retention period	skeleton. Principles of conducting myogymnastics.	To form groups for myogymnastics. Choose preventive devices	myogymnastics.
	PC -6	PC-6 readiness to collect, analyze complaints and other information from the patient (relatives / legal representatives), his anamnesis data, interpretation of examination results, laboratory, instrumental, pathoanatomic and other studies, including diagnostic studies using modern technical means and digital technologies in order to recognize the condition or establish the presence or absence of dental diseases, symptoms, syndromes of dental diseases, establishment of nosological forms in accordance with the International Statistical Classification of Diseases and Health-related Problems, and other regulatory	ID-1 PC-6 Planning a clinically based examination of a patient with malocclusion, the appointment of research methods, including diagnostic studies using modern technical means and digital technologies to eliminate errors in diagnosis	Rules and sequence of examination of a patient with anomalies of the dental system. Indications and contraindications to the choice of examination methods. Classification of anomalies of the dental system.	Collect and analyze patient complaints, medical history data, examination results and additional research methods to establish the presence or absence of anomalies of the dental system	Methods of examination of the patient to recognize the condition or establish the fact of the presence or absence of anomalies of the dental system.

		documents of the Ministry of Health of the Russian Federation (Procedure for medical care, Standard of Medical Care, Clinical Recommendations on Medical Care, etc.)				
	PC -7	<p>PC-7 ability to determine tactics of management of patients with various dental diseases in accordance with Clinical recommendations and other regulatory documents of the Ministry of Health of the Russian Federation in outpatient and day hospital conditions, taking into account the age of the patient. The ability to determine the tactics of management of patients with various dental diseases.</p>	<p>ID-1 ^{PC-7} Justification of the choice of treatment tactics of patients with anomalies of the dental system</p> <p>ID-2 ^{PC-7} Vision of options for changing treatment tactics in the absence of positive dynamics from classical treatment options</p>	<p>Tactics of management of patients with anomalies of the dental system. The sequence of actions, devices for the treatment of anomalies of the dental system, the rules of their use, indications and contraindications to their use.</p>	<p>To determine the tactics of management of patients with anomalies of the maxillary system. Make a choice</p>	<p>Tactics of management of patients with anomalies of the dental system</p>

						PE N	h		
	10	Examination of a patient with anomalies of the dental system	4			17		14	35
	10	Devices used for the prevention and treatment of anomalies	6			17		14	37
		total	10			34		28	72

L- lectures

LP – laboratory workshop

PZ – practical exercises

KPZ – clinical practical training

C – seminars

SRS – independent work of a student

6.2. Thematic plan of lectures:

p/no.	Name of lecture topics	Volume in AH
		Semester 10
1	Examination of the patient in the orthodontics clinic. Drawing up an orthodontic treatment plan.	2
2	Radiological research methods in orthodontics	2
3	Extra-oral orthodontic devices	2
4	Modern orthodontic technique (bracket system). Features of the use of the bracket system in the treatment of various anomalies of the dental system. Devices used in conjunction with the bracket system.	2
5	Modern methods of treating an open bite	2
	TOTAL (total - 10 AH)	10

6.3. Thematic plan of laboratory workshops:

Laboratory workshops on planning the treatment of anomalies and deformities of the dental and maxillary system are not provided for in the curriculum.

6.4. Thematic plan of practical classes:

p/no.	The name of the topics of clinical practical training	Volume in AH
		Semester 10
1	Examination of a patient with anomalies of the maxillary system, taking into account the features of the structure of the facial skeleton	8,5
2	Drawing up a plan for orthodontic treatment of patients with anomalies of the dental system	8,5
3	The use of modern orthodontic equipment in the treatment of patients with anomalies of the dental system	8,5
4	Ways to create a stable result of orthodontic treatment	8,5
	TOTAL (total - 20 AH)	34

6.5. Thematic plan of seminars:

Seminars on planning the treatment of anomalies and deformities of the dental and maxillary system are not provided for in the curriculum.

6.6. Types and topics of student's independent work (SRS):

p/n o.	Name of the type of SRS*	Volume in AH
		Semester 10
1	Work with lecture material, providing for the study of lecture notes and educational literature, solving situational problems, searching and reviewing literature and electronic sources of information on an individually given course problem, writing an abstract on a given problem, preparing for discussion and control work, writing case histories, working with electronic educational resources posted on the educational portal of the Academy.	14
2	Work with lecture material, providing for the study of lecture notes and educational literature, solving situational problems, searching and reviewing literature and electronic sources of information on an individually given course problem, writing an abstract on a given problem, preparing for discussion and control work, writing case histories, working with electronic educational resources posted on the educational portal of the Academy.	14
	TOTAL (total - 12 AH)	28

6.7. Student's research work:

Research work on the planning of treatment of anomalies and deformities of the dental and maxillofacial system is not provided by FGOSom.

7. Fund of evaluation funds for ongoing control and interim certification:

n/a	Semester	Forms of control	Name of the discipline section	Evaluation tools		
				Kinds	Number of	Number of test task options

	No.				questions in the task	
1	2	3	4	5	6	7
1.	10	control works; individual survey; testing	Examination of a patient with anomalies of the dental system	Tests	20	80
2.	10	control works; individual survey; testing	Devices used in the treatment of anomalies	Tests	20	60

8.

Educational, methodological and informational support of the discipline (printed, electronic publications, the Internet and other network resources).

8.1. List of basic literature:

p/n o.	Name	Author(s)	Year, place of publicati on	Number of instances	
				in the library	at the department
1	2	3	4	7	8
1.	Orthodontics. Treatment of anomalies of teeth and dentition with modern orthodontic devices.	Khoroshilkina F.Ya.	M., 2002	25	1
2.	Dentistry of children's age.	Persin L.S.	Medicin e -2003, 640 p.	45	1
3.	Orthodontics	Abolmasov N.G.	MEDpres s-inform – 2008, 424 p.	25	1
4.	Orthopedic dentistry	Zhulev E.N.	Moscow : Medical Informati on Agency,	50	1

			2012 – 824 p.		
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8.2. List of additional literature:

p/n o.	Name	Author(s)	Year, place of publicatio n	Number of instances	
				in the library	at the department
1	2	3	4	7	8
1	Orthopedic Dentistry (textbook), 5th edition reprint. addol.	Shcherbakov A. S., Gavrilov E. I., Trezubov V. N., Zhulev E. N.	1999, N. Novgorod, publishing house of NizhGMA	164	1
2	Modern orthodontics	Proffit William R.,	MEDpress -inform – 2008, 560 p.	1	1
3	Orthodontics and prosthetics in childhood.	Varava G.M.	M.: Medicine, 1979.- 136s.	28	1
4	Orthodontics. Dental and maxillary anomalies in the clinic and experiment	Kalvelis D.A.	Elista.: Esen, 1994. -239 p .	42	1
5	Orthopedic dentistry.	Shcherbakov A.S.	1994. St. Petersburg : Comet, - 536 p.	161	1
6	Orthopedic dentistry. (Faculty course)	Trezubov V.N.	St. Petersburg .: Folio, 2005.- 592s.	31	1
7	Guide to orthopedic dentistry.	Kopeikin V.N.	M.:Medici ne, 1993.- 496s.	84	1
8	Typical test tasks for the final state. Attestations of graduates of higher medical educational institutions on spec. "Dentistry" in 2 parts. Tsch.2.	Barera G.M.	GO VUNMC OF THE Ministry of Health of the Russian Federation , 2004- 224s.	40	1

9	Typical test tasks for the final state certification of graduates of higher medical educational institutions in spec. "Dentistry" in 2 parts.	Yushchuk N.D.	GO VUNMC OF THE Ministry OF Health of the Russian Federation 2006.- 336s.	55	1
10	Typical test tasks for the final state certification of graduates of higher metsitsinsky educational institutions in the specialty "Dentistry" in 3 parts. H-3.	Barera G.M.	GO VUNMC of the Ministry of Health of the Russian Federation , 2002-64 p .	94	1
11	Orthodontics. Treatment of dental anomalies.	Persin L.S.	1998.	9	1
12	Orthodontics. Diagnostics, types of dental anomalies.	Persin L.S.	onethousa ndninehun dredninet y nine	9	1
13	Substantiation of methods of orthodontic treatment of mesial occlusion using distraction of the upper jaw.	Gerda V.V.	twothousa nd	1	1
14	Orthodontics. Complex treatment of maxillofacial anomalies: orthodontic, surgical orthopedic.	Khoroshilkina F.Ya.	twothousa ndone	9	1
15	The effectiveness of orthodontic and orthopedic treatment of adult patients with anomalies and deformities of the dentition.	Al-Harazi Gamdan	twothousa ndfour	1	1
16	Propaedeutic orthodontics	Samples Yu.L.	twothousa ndseven	1	1
17	Orthopedic dentistry. (test tasks) -	Zhulev E.N. Shcherbakov A.S.	2004. N.Novgoro dIzd-vo- NizhGMA	56	1

18	"Dentistry", "Orthodontics", "New in - stomatology", "Quintessence", "Dentart", "STM", "Panorama of orthopedic dentistry", "Clinical dentistry", "Dent-art",	Periodical literature – dental journals.	Various publishing houses of the cities: Moscow, St. Petersburg and N.Novgoro d.	One copy for each release period.	0
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8.3. List of methodological recommendations for independent work of students:

№	Name according to bibliographic requirements	Number of instances	
		At the department	In the library
	Zhulev E.N., Nikolaeva E.Yu., Zubareva T.O. "Clinical examination and registration of a medical card of a dental patient in an orthodontics clinic" N.Novgorod: PIMU Publishing House, 2019, 72 p.	10	1
	Zhulev E.N., Nikolaeva E.Yu., Kochubeynik A.V. "Clinical examination and registration of a dental patient's medical record in the orthodontics clinic" N.Novgorod: NizhGMA Publishing House, 2015, 48 p.	10	1
	Zhulev E.N., Nikolaeva E.Yu. "Diagnostics of pathological asymmetry" N.Novgorod: NizhGMA Publishing House, 2014, 36 p.	10	1
	Zhulev E.N. "Materials science in orthopedic dentistry" N.Novgorod: NGMA Publishing House, 1997, 136 p.	3	98
	Zhulev E.N. "The technique of grinding teeth in the treatment of periodontal functional overload" N.Novgorod: NGMA Publishing house, 1990, 10 p.	3	1
	Zhulev E.N. "Methodological recommendations for a student to compile a medical history" N.Novgorod: NGMA Publishing House, 1990, 8 p.	4	2

8.4. Electronic educational resources used in the process of teaching the discipline:

8.4.1. Internal Electronic Library System of the University (WEBS)*

Name of the electronic resource	Brief description (content)	Access conditions	Number of users
Internal Electronic	The works of the academic staff of	from any computer located on the	Not limited

Library System (EBS)	the Academy: textbooks and manuals, monographs, collections of scientific papers, scientific articles, dissertations, abstracts of dissertations, patents.	Internet, using an individual login and password [Electronic resource] – Access mode: http://95.79.46.206/login.php	
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8.4.2. Electronic educational resources acquired by the University

<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>	<i>Number of users</i>
Electronic database "Student Consultant"	Educational literature + additional materials (audio, video, interactive materials, test tasks) for higher medical and pharmaceutical education. Publications are structured by specialties and disciplines in accordance with the current Federal State Educational Standards of Higher Education.	from any computer on the Internet, using an individual login and password [Electronic resource] – Access mode: http://www.studmedlib.ru/	General PIM subscription
Electronic library system "Bukap"	Educational and scientific medical literature of Russian publishers, including translations of foreign publications.	from any computer located on the Internet by login and password, from the computers of the academy. The publications for which a subscription is issued are available for reading. [Electronic resource] – Access mode: http://www.books-up.ru/	General PIM subscription
"Bibliopoisk"	Integrated "single window" search service for electronic catalogs, EBS and full-text databases. The results of a single search in the demo version include documents from domestic and foreign electronic libraries and databases available to the university as part of a subscription, as well as from open access databases.	PIM has access to the demo version of the Bibliopoisk search engine: http://bibliosearch.ru/pimu .	General PIM subscription
Domestic electronic periodicals	Periodicals on medical subjects and on higher school issues	- from the academy's computers on the electronic library platform eLIBRARY.RU -magazines Media Sphere Publishing house - from library computers or provided by the library at the request of the user [Electronic resource] – Access mode: https://elibrary.ru/	
International scientometric database "Web of Science Core Collection"	Web of Science covers materials on natural, technical, social, and humanitarian sciences; takes into account the mutual citation of publications developed and provided by Thomson Reuters; has built-in capabilities for searching, analyzing, and managing bibliographic information.	Access is free from PIM computers [Electronic resource] – Access to the resource at: http://apps.webofknowledge.com	Access is free from PIM computers

8.4.3 Open access resources

<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>
Federal Electronic Medical Library (FEMB)	It includes electronic analogues of printed publications and original electronic publications that have no analogues recorded on other media (dissertations, abstracts, books, magazines, etc.). [Electronic resource] – Access mode: http://нэб.рф/	from any computer located on the Internet
Scientific Electronic Library eLIBRARY.RU	The largest Russian information portal in the field of science, technology, medicine and education, containing abstracts and full texts of scientific articles and publications. [Electronic resource] – Access mode: https://elibrary.ru/	from any computer located on the Internet.
Open Access Scientific Electronic Library CyberLeninka	Full texts of scientific articles with annotations published in scientific journals of Russia and neighboring countries. [Electronic resource] – Access mode: https://cyberleninka.ru/	from any computer located on the Internet
Russian State Library (RSL)	Abstracts for which there are copyright agreements with permission for their open publication [Electronic resource] – Access mode: http://www.rsl.ru/	from any computer located on the Internet
Legal reference system "Consultant Plus"	Federal and regional legislation, judicial practice, financial advice, comments on legislation, etc. [Electronic resource] – Access mode: http://www.consultant.ru/	from any computer located on the Internet
Official website of the Ministry of Health of the Russian Federation	National clinical guidelines [Electronic resource] – Access mode: cr.rosminzdrav.ru - Clinical recommendations	from any computer located on the Internet
Official website of the Russian Respiratory Society	Modern materials and clinical recommendations for the diagnosis and treatment of respiratory diseases [Electronic resource] – Access mode: www.spulmo.ru – Russian Respiratory Society	from any computer located on the Internet
Official website of the Russian Scientific Society of Therapists	Modern materials and clinical recommendations for the diagnosis and treatment of diseases of internal organs [Electronic resource] – Access mode: www.rnmot.ru – Russian Scientific Society of Therapists	from any computer located on the Internet

9.1 Material and technical support of the discipline.

The list of premises required for conducting classroom classes in the discipline.

The training base is the Department of Orthopedic Dentistry and Orthodontics and the dental polyclinic of PIMU. The clinical base of the Department of Orthopedic Dentistry and Orthodontics includes: 5 classrooms, a functional diagnostics room. Study rooms. Computer class. Simulation class.

9.2 The list of equipment required for conducting classroom classes in the discipline.

Celeron EP-3WTM computer, DNS BA 1255 computer, DNS BA 1256 computer, Canon i-Sensys MF4120 multifunction device - 3 pcs., monitor 17 Samsung SyngMaster740M - 2 pcs. Epson EMP-S3 multimedia projector, Asus X59SR laptop, Fujitsu Siemens Amilo Pro laptop, Lenovo B5070 laptop, Lenovo G5045 laptop, Laptop Samsung NP-R70A 003/SER, Canon LBP 800 laser printer, HP LJ 1020 laser printer - 2 pcs, Pentium 4 system unit - 2 pcs.

Azimut 100A Dental unit - 8pcs, Azimut 100A dental unit - 4 pcs, Azimut 200A dental unit - 3 pcs, CHIRANA Cheese E dental unit - 2 pcs, U200 Dental unit - 2 pcs, Gallant Dental unit - 2 pcs, Chrome S dental unit, Perfomer 1 dental unit, Perfomer-3 dental chair, Boron machine portable BEUP-02 Unibor, dental training phantom - 12pcs, polycarbonate screen E-052-SHP 2-section BA1350 26 - pcs, 1-fold cabinet, bookcase - 2 pcs, medical cabinet with safe 4 pcs,

corner mirror cabinet 5 pcs, safe - 2 pcs, polymerization lamp Woodpecker LED B BA 4137 – 3 pcs.

Electroneuromyographic complex Neuro-KM-Neuromyograph, parallelometer universal FPU 1.0 start, Articulator 4000 with facial arc, articulator professional, articulator with facial arc 2 pcs., computer rheograph Lakk-01.

SANYO C14MDT2E TV, Samsung SUR-140 video player, Olympus C740 digital camera, DAEWOO TV, Samsung CS- 2073R - 3pcs TV, NORD 214-6 refrigerator.

Multimedia equipment for lectures, computers with screens for demonstration and solution of typical situational tasks. A computer classroom equipped with computer equipment with the ability to connect to the Internet for conducting intermediate and final test control, solving situational problems and providing access to the NGMA electronic library.

Computer Celeron Dual Core -12 units, HP Laser Jet P1505 laser printer – 1 unit, Multimedia Projectors EB-X11EEB – 1 unit.

Adec 42L simulator 10pcs.

9.3. A set of licensed and freely distributed software, including domestic production

Item no.	Software	number of licenses	Type of software	Manufacturer	Number in the unified register of Russian software	Contract No. and date
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovich	1960	2471/05-18 from 28.05.2018
2	MyOffice is Standard. A corporate user license for educational organizations, with no expiration date, with the right to receive updates for 1 year.	220	Office Application	LLC "NEW CLOUD TECHNOLOGIES"	283	without limitation, with the right to receive updates for 1 year.
3	LibreOffice		Office Application	The Document Foundation	Freely distributed software	
4	Windows 10 Education	700	Operating systems	Microsoft	Azure Dev Tools for Teaching Subscription	
5	Yandex. Browser		Browser	«Yandex»	3722	
6	Subscription to MS Office Pro for 170 PCs for	170	Office Application	Microsoft		23618/HN100 30 LLC "Softline

	FGBOU VO "PIMU" of the Ministry of Health of Russia					Trade" from 04.12.2020
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10. List of changes to the working program (to be filled out by the template)

Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation
(FSBEI HE "PRMU" of the Ministry of Health of Russia)

Department of **ORTHOPEDIC DENTISTRY AND ORTHODONTICS**

CHANGE REGISTRATION SHEET

working program for the academic discipline
Planning of treatment of anomalies and deformities of the dental and maxillary system

Field of study / specialty / scientific specialty: **31.05.03DENTISTRY**

Training profile: _____
(name) - for master's degree programs

Mode of study: **FULL-TIME**

Position	Number and name of the program section	Contents of the changes made	Effective date of the changes	Contributor's signature
1				

Approved at the department meeting
Protocol No. _____ of _____ 20__

Head of the Department

department name, academic title

signature

print name