Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
NAMED AFTER PATRICE LUMUMBA
RUDN University

Institute of Medicine

educational division (faculty/institute/academy) as higher education programme developer

COURSE SYLLABUS

Pediatric Maxillofacial Dentistry

course title

Recommended by the Didactic Council for the Education Field of:

31.05.03 Dentistry

field of studies / speciality code and title

The course instruction is implemented within the professional education programme of higher education:

Dentistry

higher education programme profile/specialisation title

2026 г.

1. COURSE GOAL(s)

The course "Pediatric maxillofacial surgery" is included in the specialty program "Dentistry" in the direction 31.05.03 "Dentistry" and is studied in the 10th semester of the 5th year. The discipline is implemented by the Department of Pediatric Dentistry and Orthodontics. The discipline consists of 7 sections and 22 topics and is aimed at studying pain relief in pediatric surgical dental practice; tooth extraction in children; inflammatory diseases of the maxillofacial region in children; diseases of the salivary glands in children; injuries of the maxillofacial region in children; diseases of the temporomandibular joint in children; congenital and hereditary diseases of the maxillofacial region in children; tumors and tumor-like processes of the maxillofacial region in children.

The purpose of the discipline is to provide students with knowledge and skills in the diagnosis, treatment, and prevention of major surgical dental diseases and injuries in the maxillofacial region in children.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) "**Pediatric maxillofacial surgery**" is aimed at the development of the following competences /competences in part: GC-1; GPC-5; GPC-6; PC-1; PC-2; PC-6.

Table 2.1. List of competences that students acquire through the course study

Competence code	**Competence descriptor**	**Competence formation indicators** (within this course)
GC-1.	Being able to implement critical analysis of problem situations based on systems approach, develop an action strategy.	GC-1.1. Analysing the problem situation as a system identifying its components and links between them.
GPC-5	Being able to examine patients to determine a diagnosis when solving professional tasks	GPC-5.1. Gathering anamnesis by analysing the patient's complaints, making a physical examination at a dental appointment. GPC-5.2. Formulating a preliminary diagnosis and drawing up a plan for laboratory and instrumental examinations of a dental patient. GPC-5.3. Compiling medical documentation for a dental patient in accordance with regulatory requirements. GPC-5.8. Conducting differential diagnosis with other diseases/conditions, including the urgent ones. GPC-5.9. Making a diagnosis based on the current international statistical classification of diseases and health problems.
GPC-6	Being able to prescribe non-drug and drug treatment, monitor its efficacy and safety when solving professional tasks	GPC-6.1. Developing a plan for dental disease treatment taking into account the diagnosis, age and clinical picture in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the medical care standards. GPC-6.2. Selecting medical products (including dental materials) for drawing up a comprehensive plan for dental disease treatment. Following up the treatment of a patient.
PC- 1	Being able to make an examination of a patient in order to determine a	PC-1.1. Making an initial examination and/or reexamination of a patient in order to make a preliminary diagnosis.

Competence code	Competence descriptor	Competence formation indicators (within this course)
	diagnosis.	PC-1.2. Receiving information from patients (their relatives/legal representatives); conducting a questionnaire survey of patients regarding their general health status; identifying concomitant diseases in order to make a preliminary diagnosis. PC-1.3. Detecting if patients have dentoalveolar, facial anomalies, deformities and prerequisites for their development, defects in the crowns of teeth and dentition on the basis of the patient examination; laboratory, instrumental, and additional examinations in order to make a preliminary/final diagnosis. PC-1.4. Detecting if patients have risk factors for oncopathology (including various background processes, precancerous conditions) based on laboratory, instrumental and additional examinations in order to make a preliminary/final diagnosis. PC-1.5. Making a preliminary/final diagnosis based on the patient examination; laboratory and instrumental examinations.
PC-2	Being able to prescribe, monitor the efficacy and safety of non-drug and drug treatment	PC-2.6 Providing orthopaedic treatment for persons with defects in teeth, dentition within the temporization procedure, rehabilitation of single defects in the dentition, dental prostheses of up to three units (excluding dental implants prosthetics), partial and complete removable laminar denture using modern treatment methods approved for use in medical practice.
PC-6	Being able to analyze and present in public medical information based on evidence-based medicine, participate in scientific research, introduce new methods and techniques aimed at protecting public health	PC-6.1. Searching for medical information based on evidence-based medicine, interpreting data from scientific publications and/or preparing a presentation to make medical information, the results of scientific research public.

3.COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course refers to the core/variable/elective* component of (B1) block of the higher educational programme curriculum.

* - Underline whatever applicable.

Within the higher education programme students also master other (modules) and / or internships that contribute to the achievement of the expected learning outcomes as results of the course study.

Table 3.1. The list of the higher education programme components/disciplines that contribute to the achievement of the expected learning outcomes as the course study results

Competence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
UC-1	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	Dental Assistant (therapist); Dental Assistant (orthopedist); Human Anatomy - Head and Neck Anatomy; Pediatric dentistry;	

		Dental prosthetics (simple prosthetics); Immunology, clinical immunology; Mathematics; Medical genetics in dentistry; Orthodontics and Pediatric prosthetics; Otorhinolaryngology; Dental prosthetics (complex prosthetics); Prosthetics with complete lack of teeth; Psychology, pedagogy; Physics; Philosophy; Obstetrics; Pathophysiology - Pathophysiology of the head and neck; Chemistry of biogenic elements**; Medical rehabilitation; Dental teeth modeling**; History of Medicine; Bioelements in medicine**; Medical elementology**;	
GPC-5	Able to conduct a patient examination in order to establish a diagnosis in solving professional problems	Dental Assistant (orthopedist); Head and neck diseases; Dental prosthetics (simple prosthetics); Cariesology and diseases hard tissues of teeth; Medical genetics in dentistry; Local anesthesia and anesthesiology in dentistry; General surgery; Orthodontics and Pediatric prosthetics; Dental prosthetics (complex prosthetics); Prosthetics with complete lack of teeth; Surgical diseases; Oral surgery; Maxillofacial and gnathic surgery; Internal illnesses; Gerontostomatology and diseases of the mucous membrane oral cavity; Neurology; Periodontology; Psychiatry and Narcology;	

		Endodontics; Dermatovenerology; Pediatric dentistry; Dental propaedeutics diseases; Ophthalmology; Emergency conditions in outpatient dental practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics;	
GPC-6	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional problems	Dermatovenerology; Pediatric dentistry; Head and neck diseases; Dental prosthetics (simple prosthetics); Immunology, clinical immunology; Cariesology and diseases hard tissues of teeth; Clinical dentistry; Medical genetics in dentistry; General surgery; Orthodontics and Pediatric prosthetics; Dental prosthetics (complex prosthetics); Prosthetics with complete lack of teeth; Surgical diseases; Oral surgery; Maxillofacial and gnathic surgery; Fundamentals of military training. Life safety; Internal illnesses; Gerontostomatology and diseases of the mucous membrane oral cavity; Neurology; Periodontology; Pediatrics; Psychiatry and Narcology; Endodontics; Medical rehabilitation; Pharmacology; Materials Science; Obstetrics; Emergency conditions in outpatient dental practice;	
PC-1	Capable of examining	Dental Assistant (therapist);	

	the patient in order to establish a diagnosis	Dental Assistant (surgeon); Dental assistant (Assistant to the pediatric dentist); Dental Assistant (orthopedist); Dental Assistant (hygienist); Orthodontics and Pediatric prosthetics; Pathological anatomy - Pathanatomy of the head and neck; Dental prosthetics (complex prosthetics); Prosthetics with complete lack of teeth; Fundamentals of military training. Life safety; Radiation diagnostics; Medical rehabilitation; Cone beam computer tomography in diagnostics, planning and evaluation effectiveness dental solution; Pediatric dentistry; Immunology, clinical immunology; Head and neck diseases; Dental prosthetics (simple prosthetics); Cariesology and diseases hard tissues of teeth; Medical genetics in dentistry; Local anesthesia and anesthesiology in dentistry; Otorhinolaryngology; Dental propaedeutics diseases; Oral surgery; Maxillofacial and gnathic surgery; Obstetrics; Gerontostomatology and diseases of the mucous membrane oral cavity; Periodontology; Endodontics; Three-dimensional x-ray diagnostic methods in dentistry**; Three-dimensional computer teeth modeling**; Chemistry of biogenic elements**;	

		Ophthalmology; Dental teeth modeling**; Pathophysiology - Pathophysiology of the head and neck;	
PC-2	Capable of prescribing, monitoring the efficacy and safety of non-drug and drug treatments	Pediatric dentistry; Head and neck diseases; Cariesology and diseases hard tissues of teeth; Local anesthesia and anesthesiology in dentistry; Orthodontics and Pediatric prosthetics; Oral surgery; Maxillofacial and gnathic surgery; Gerontostomatology and diseases of the mucous membrane oral cavity; Periodontology; Endodontics; Innovative technologies in dentistry; Dental physiotherapy diseases; Clinical dentistry; Bioelements in medicine**; Medical elementology**; Dental propaedeutics diseases; Dental prosthetics (simple prosthetics); Medical genetics in dentistry; Dental prosthetics (complex prosthetics); Prosthetics with complete lack of teeth; Infectious diseases phthisiology; Organization of general care sick; Dental Assistant (surgeon); Dental Assistant (therapist); Dental Assistant (Pediatric);	
PC-6	Able to analyze and publicly present medical information based on evidence-based medicine, to participate in scientific research, to introduce	Dental prosthetics (simple prosthetics); Immunology, clinical immunology; Medical genetics in dentistry; Dental prosthetics (complex prosthetics); Prosthetics with complete	

	new methods and techniques aimed at protecting public health	lack of teeth; Pharmacology; Ophthalmology; Clinical researches; Clinical dentistry;	

* To be filled in according to the competence matrix of the higher education programme.

3.COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course refers to the core/variable/elective* component of (B1) block of the higher educational programme curriculum.

* - Underline whatever applicable.

Within the higher education programme students also master other (modules) and / or internships that contribute to the achievement of the expected learning outcomes as results of the course study.

Table 3.1. The list of the higher education programme components/disciplines that contribute to the achievement of the expected learning outcomes as the course study results

Competence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
UC-1	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	Dental Assistant (therapist); Dental Assistant (orthopedist); Human Anatomy - Head and Neck Anatomy; Pediatric dentistry; Dental prosthetics (simple prosthetics); Immunology, clinical immunology; Mathematics; Medical genetics in dentistry; Orthodontics and Pediatric prosthetics; Otorhinolaryngology; Dental prosthetics (complex prosthetics); Prosthetics with complete lack of teeth; Psychology, pedagogy; Physics; Philosophy; Obstetrics; Pathophysiology - Pathophysiology of the head and neck; Chemistry of biogenic elements**; Medical rehabilitation; Dental	

		teeth modeling**; History of Medicine; Bioelements in medicine**; Medical elementology**;	
GPC-5	Able to conduct a patient examination in order to establish a diagnosis in solving professional problems	Dental Assistant (orthopedist); Head and neck diseases; Dental prosthetics (simple prosthetics); Cariesology and diseases hard tissues of teeth; Medical genetics in dentistry; Local anesthesia and anesthesiology in dentistry; General surgery; Orthodontics and Pediatric prosthetics; Dental prosthetics (complex prosthetics); Prosthetics with complete lack of teeth; Surgical diseases; Oral surgery; Maxillofacial and gnathic surgery; Internal illnesses; Gerontostomatology and diseases of the mucous membrane oral cavity; Neurology; Periodontology; Psychiatry and Narcology; Endodontics; Dermatovenerology; Pediatric dentistry; Dental propaedeutics diseases; Ophthalmology; Emergency conditions in outpatient dental practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics;	
GPC-6	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional problems	Dermatovenerology; Pediatric dentistry; Head and neck diseases; Dental prosthetics (simple prosthetics); Immunology, clinical immunology; Cariesology and diseases hard tissues of teeth; Clinical dentistry; Medical genetics in	

		dentistry; General surgery; Orthodontics and Pediatric prosthetics; Dental prosthetics (complex prosthetics); Prosthetics with complete lack of teeth; Surgical diseases; Oral surgery; Maxillofacial and gnathic surgery; Fundamentals of military training. Life safety; Internal illnesses; Gerontostomatology and diseases of the mucous membrane oral cavity; Neurology; Periodontology; Pediatrics; Psychiatry and Narcology; Endodontics; Medical rehabilitation; Pharmacology; Materials Science; Obstetrics; Emergency conditions in outpatient dental practice;	
PC-1	Capable of examining the patient in order to establish a diagnosis	Dental Assistant (therapist); Dental Assistant (surgeon); Dental assistant (Assistant to the pediatric dentist); Dental Assistant (orthopedist); Dental Assistant (hygienist); Orthodontics and Pediatric prosthetics; Pathological anatomy - Pathanatomy of the head and neck; Dental prosthetics (complex prosthetics); Prosthetics with complete lack of teeth; Fundamentals of military training. Life safety; Radiation diagnostics; Medical rehabilitation; Cone beam computer tomography in diagnostics, planning and evaluation	

		effectiveness dental solution; Pediatric dentistry; Immunology, clinical immunology; Head and neck diseases; Dental prosthetics (simple prosthetics); Cariesology and diseases hard tissues of teeth; Medical genetics in dentistry; Local anesthesia and anesthesiology in dentistry; Otorhinolaryngology; Dental propaedeutics diseases; Oral surgery; Maxillofacial and gnathic surgery; Obstetrics; Gerontostomatology and diseases of the mucous membrane oral cavity; Periodontology; Endodontics; Three-dimensional x-ray diagnostic methods in dentistry**; Three-dimensional computer teeth modeling**; Chemistry of biogenic elements**; Ophthalmology; Dental teeth modeling**; Pathophysiology - Pathophysiology of the head and neck;	
PC-2	Capable of prescribing, monitoring the efficacy and safety of non-drug and drug treatments	Pediatric dentistry; Head and neck diseases; Cariesology and diseases hard tissues of teeth; Local anesthesia and anesthesiology in dentistry; Orthodontics and Pediatric prosthetics; Oral surgery; Maxillofacial and gnathic surgery; Gerontostomatology and diseases of the mucous membrane oral cavity; Periodontology; Endodontics; Innovative technologies in dentistry;	

		Dental physiotherapy diseases; Clinical dentistry; Bioelements in medicine**; Medical elementology**; Dental propaedeutics diseases; Dental prosthetics (simple prosthetics); Medical genetics in dentistry; Dental prosthetics (complex prosthetics); Prosthetics with complete lack of teeth; Infectious diseases phthisiology; Organization of general care sick; Dental Assistant (surgeon); Dental Assistant (therapist); Dental Assistant (Pediatric);	
PC-6	Able to analyze and publicly present medical information based on evidence-based medicine, to participate in scientific research, to introduce new methods and techniques aimed at protecting public health	Dental prosthetics (simple prosthetics); Immunology, clinical immunology; Medical genetics in dentistry; Dental prosthetics (complex prosthetics); Prosthetics with complete lack of teeth; Pharmacology; Ophthalmology; Clinical researches; Clinical dentistry;	

* To be filled in according to the competence matrix of the higher education programme.

4. COURSE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the course "**Pediatric maxillofacial surgery**" is **3** credits (108 academic hours).

*Table 4.1. Types of academic activities during the periods of higher education programme mastering (**full-time training**)**

Type of academic activities	Total academic hours	Semesters/training modules			
		10 (A)			
Contact academic hours	***68***	***68***			
including:					
Lectures (LC)	-	-			
Lab work (LW)	68	68			
Seminars (workshops/tutorials) (S)	-	-			

Type of academic activities		Total academic hours	Semesters/training modules			
			10 (A)			
Self-studies		*31*	*31*			
Evaluation and assessment (exam/passing/failing grade)		*9*	*9*			
Course workload	ac.h.	**108**	**108**			
	credits.	**3**	**3**			

* To be filled in regarding the higher education programme correspondence training mode.

5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

Course module title	Course module contents (topics)	Academic activities types
Section 1 Pain relief in pediatric surgical dental practice. Tooth extraction surgery in children.	1.1 Anatomical and physiological features of the child's body. Indications and contraindications for general and local anesthesia during outpatient dental surgical interventions in children. The importance of premedication. Types of local anesthesia and their application in children. Emergency situations during outpatient dental appointments. Anatomical and physiological features of the child's body. Types of local anesthesia and their application in children.	LR
	1.2 Indications and features of removal temporary and permanent teeth in children. Complications during and after tooth extraction surgery, their prevention and elimination. Indications and features of removing temporary and permanent teeth in children.	LR
	1.3 The tactics of a dentist in the presence of supernumerary, retained and dystopic teeth in children. Presence of supernumerary, retained, and distopic teeth in children, and doctor's tactics	LR
Section 2 Inflammatory diseases of the maxillofacial region in children.	2.1 Features of the course of odontogenic inflammatory processes in childhood age. Inflammatory processes of soft tissues of the face: lymphadenitis, abscess, phlegmon. Inflammatory processes in the soft tissues of the face: lymphadenitis, abscess, and phlegmon.	LR
	2.2 Clinical picture of acute and chronic periostitis of the jawbones in children of different ages. Clinical picture of acute and chronic periostitis	LR
	2.3 Acute odontogenic osteomyelitis of the jaws, hematogenous osteomyelitis in newborns and young children. Acute odontogenic osteomyelitis	LR
	2.4 Clinical and radiological forms of chronic osteomyelitis of the jaws,	LR

	principles of children's rehabilitation. Clinical and radiological forms of chronic maxillary osteomyelitis	
	2.5 Odontogenic inflammatory cysts in children. Possible complications and their prevention Odontogenic inflammatory cysts in children	LR
Section 3 Salivary gland diseases in children.	3.1 Inflammatory diseases of the salivary glands in children. Clinic, diagnostics and treatment. Inflammatory diseases of the salivary glands in children	LR
	3.2 Salivary stone disease. Etiology, pathogenesis, clinical picture, diagnosis, treatment, possible complications. Etiology, pathogenesis, clinical picture, diagnosis, and treatment	LR
	3.3 Retention cysts of small and large salivary glands. Etiology, pathogenesis, clinical picture, diagnosis, treatment, possible complications. Retention cysts of the minor and major salivary glands	LR
Section 4 Trauma to the maxillofacial region in children.	4.1 Dental injuries in children: clinic, treatment, methods of immobilization, and outcomes. Clinic, treatment, methods of immobilization, and outcomes.	LR
	4.2 Bruises and fractures of the facial bones in children. Clinic, diagnostics. Methods of conservative and surgical treatment of fractures in children, healing periods, possible complications and methods of their prevention. Methods of conservative and surgical treatment of fractures in children, healing periods, possible complications, and methods of their prevention.	LR
	4.3 Soft tissue injuries of the oral cavity and face in children. Features of primary surgical treatment of facial wounds. Soft tissue injuries of the oral cavity and face in children.	LR
	4.4 Burns and frostbite. Clinical picture, treatment, complications. General indications for plastic surgery in childhood. Principles of rehabilitation of children who have suffered trauma to the maxillofacial area. Clinical picture, treatment, and complications.	LR
Section 5 Temporomandibular joint	5.1 Primary bone diseases of the temporomandibular joint. Osteoarthritis, secondary deforming osteoarthritis, bone ankylosis, neoarthrosis: etiology, pathogenesis, and clinical picture.	LR

disorders in children.	Diagnosis and principles of comprehensive treatment of temporomandibular joint diseases in children. Surgical treatment methods and age-related indications. Goals and objectives of orthodontic treatment. Methods for preventing the development of primary bone diseases. Diagnosis, principles of complex treatment of diseases of the temporomandibular joint in children. Primary bone diseases of the temporomandibular joint. Methods of prevention of development of primary bone diseases.	
	5.2 Functional diseases of the temporomandibular joint in children and adolescents. Etiology, pathogenesis, and clinical manifestations. Additional examination methods (electromyography, axiography, and TMJ tomography). Diagnosis, treatment, and prevention. Functional disorders of the temporomandibular joint in childhood and adolescence	LR
Section 6 Congenital and hereditary diseases of the maxillofacial region in children.	6.1 Congenital cysts and fistulas of the maxillofacial area and neck. Dermoid and epidermoid cysts. Dermal and epidermal cysts.	LR
	6.2 Congenital clefts of the upper lip and palate. Prevalence, classification, anatomical and functional disorders, impact on the overall development of the child's body. Secondary deformations of the jaws in cleft palates. Age-related indications for surgical treatment, the purpose of operations. Dispensary of children with congenital clefts of the upper lip and palate. Prevalence, classification, anatomical and functional disorders, and their impact on the overall development of the child's body. Secondary jaw deformities in cleft palates.	LR
	6.3 Congenital pathology of the oral mucosa: abnormalities of the attachment of the frenulae and tongue, a small vestibule of the oral cavity. Clinical picture, indications for surgical treatment, methods of operations, features of the postoperative period. Abnormal attachments of the frenulae and tongue, and a small oral cavity.	LR
Section 7 Tumors and tumor-like processes in the maxillofacial region the children.	7.1 Benign and malignant tumors of the soft tissues of the face and oral cavity in children. Classification, clinical picture, diagnosis, differential diagnosis. Tumors and tumor-like processes of the salivary glands in children. Benign and malignant tumors of the bones of the face in children. Odontogenic formations - cysts, odontogenic tumors of the jaws. Etiology, clinical picture, diagnosis. Benign and malignant tumors of the soft tissues of the face and oral cavity in children. Classification, clinical	LR

	picture, diagnostics, differential diagnostics	
	7.2 Features of the clinical course of tumors and tumor-like formations in children. Tactics of surgical treatment of neoplasms of the maxillofacial area in children, indications and contraindications to the use of radiation therapy, principles of complex rehabilitation of children. The principle of oncological vigilance at outpatient dental reception. Features of the clinical course of tumors and tumor-like formations in children.	LR

* - It is filled in only for **full-time** education: LC – lectures; LR – laboratory work; and SP – practical/seminar classes.

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Classroom equipment and technology support requirements

Type of academic activities	**Classroom equipment**	**Specialised educational / laboratory equipment, software, and materials for course study** (if necessary)
Lab-work	An auditorium for conducting laboratory work, individual consultations, current control, and intermediate certification, equipped with a set of specialized furniture and equipment.	A room with appropriate equipment (Fantoms), tools, medical equipment, and preventive measures.
Self-studies	An auditorium for students' independent work (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to EIOS.	

* - the classroom for independent study is **REQUIRED!**

7. RESOURCES RECOMMENDED FOR COURSE STUDY

Main readings:

1. Surgical dentistry and maxillofacial surgery of childhood / P. A. Zhelezny, A. O. Izyumov, E. V. Noskova [et al.] ; MINISTRY of HEALTHCARE OF THE RUSSIAN FEDERATION, NOVOSIBIRSK NOVOSIBIRSK STATE MEDICAL UNIVERSITY, NOVOSIBIRSK REGIONAL DENTAL ASSOCIATION. – Novosibirsk: Novosibirsk State Medical University, 2022. – 224 p. – EDN HQQWVD.
2. Topolnitsky, O. Z. Atlas on Pediatric Surgical Dentistry and Oral and Maxillofacial Surgery: A Textbook for Students of Higher Professional Education Institutions Studying the Section "Pediatric Surgical Dentistry and Oral and Maxillofacial Surgery" of the Discipline "Pediatric

Dentistry" in the Specialty 060105.65 "Dentistry", as well as for the Postgraduate Training System for Physicians in Internship and Clinical Residency / O. Z. Topolnitsky, A. Yu. Vasilyev ; O. Z. Topolnitsky, A. Yu. Vasilyev. – Moscow: GEOTAR-Media, 2011. – 259 p. – ISBN 978-5-9704-1826-0. – EDN QLYXLJ.
3. Pediatric Dentistry. Surgery: Textbook/ Edited by S.V. Dyakova. - Moscow: Medicine, 2009. - 379 p.: color illustrations.
4. Congenital malformations of the maxillofacial area in children. Study guide/ edited by O.Z. Topolnitsky, A.P. Gurgenadze. - Moscow: GEOTAR-Media, 2020 -160 p. and ill.

Additional readings:

1. Chuykin, S. V. Congenital Cleft Lip and Palate / S. V. Chuykin, L. S. Persin, N. A. Davletshin. – Moscow : Medical Information Agency Publishing House, 2008. – 362 p. – ISBN 5-89481-647-5. – EDN QLSASL.
2. Chuykin, S. V. Congenital Cleft Lip and Palate / S. V. Chuykin, O. Topolnitsky, and L. S. Persin. – Saarbrücken : LAP LAMBERT, 2012. – 584 p. – ISBN 978-3-659-22745-5. – EDN YUOSHB.
3. Rogozhina, Yu. S. Surgical tactics for eliminating complex variants of congenital cleft palate / Yu. S. Rogozhina, S. I. Blokhina, E. S. Bimbas // Problems of Dentistry. – 2020. – Vol. 16, No. 1. – Pp. 121-126. – DOI 10.18481/2077-7566-20-16-1-121-126. – EDN CFAPPL.
4. Bone grafting of the alveolar process cleft in different age periods / S. V. Yakovlev, O. Z. Topolnitsky, M. A. Pershina [et al.] // Pediatric Dentistry and Prevention. – 2022. – Vol. 22, No. 3(83). – Pp. 162-169. – DOI 10.33925/1683-3031-2022-22-3-162-169. – EDN WJGTZM.
5. Orthodontic care at the stages of complex treatment of children with congenital cleft lip and/or palate / F. A. Alimirzoev, A. N. Chudinov, L. G. Gasanova, and A. F. Alimirzoev // Bulletin of the Medical Dental Institute. – 2023. – No. 3(66). – Pp. 5-7. – EDN UWCBWF.
6. Pediatric maxillofacial surgery. Guide to practical classes. Textbook/ edited by O.Z.Topolnitsky, A.P.Gurgenadze. – 2nd ed. - Moscow: GEOTAR-Media, 2020. - 168 p and ill.
7. Pediatric maxillofacial surgery. Clinical case scenarios. Textbook/ edited by O.Z.Topolnitsky, A.P.Gurgenadze. - Moscow: GEOTAR-Media, 2020 -288 p and ill.
8. Pediatric maxillofacial surgery. Collection of test tasks. Textbook manual/ Edited by O.O. Yanushevich, O.Z. Topolnitsky, and A.P. Gurgenadze. Moscow: GEOTAR-Media, 2020 -144 p.

Resources of the information and telecommunications network "Internet":

1. RUDN ELS and third-party ELS, to which university students have access on the basis of concluded agreements:

- RUDN Electronic Library System - RUDN EBS http://lib.rudn.ru/
- ELS "University Library Online" http://www.biblioclub.ru
- EBS Yurayt http://www.biblio-online.ru
- ELS "Student Consultant" www.studentlibrary.ru
- EBS "Lan" http://e.lanbook.com/
- EBS "Trinity Bridge"

2. Databases and search engines:

- electronic fund of legal and normative-technical documentation http://docs.cntd.ru/
- Yandex search engine https:// www .yandex.ru/
- Google search engine https://www.google.ru/
- Abstract database SCOPUS

http :// www . elsescience . en / products / scopus /

Learning toolkits for self-studies during the development of the discipline:*

1. A course of lectures, presentations, video materials on the discipline "**Pediatric**

maxillofacial surgery".

2. Guidelines for the implementation and execution of control and independent work on the discipline "**Pediatric maxillofacial surgery**"

* - all educational and methodological materials for independent work of students are placed in accordance with the current procedure on the page of the discipline **in TUIS** (the university telecommunication educational and information system).

8. EVALUATION TOOLKIT AND GRADE SYSTEM FOR ASSESSMENT

Evaluation Toolkit (ET) and a point-rating system (PRS)* for assessment the level of competence formation (part of competencies) based on the results of mastering the discipline "**Pediatric Oral and Maxillofacial Surgery**" are presented in the Appendix to this Work Program of the discipline.

* - The assessment toolkit and the grading system are formed on the basis of the requirements of the relevantlocal normative act of RUDN University (regulations / order)

DEVELOPERS:

Associate professor, Department of Pediatric Dentistry and Orthodontics		A.A.Mamedov
Position, educational department	Signature	name and surname.

HEAD OF EDUCATIONAL DEPARTMENT:

Department of Pediatric Dentistry and Orthodontics		D.S. Bulycheva
educational department	Signature	name and surname.

HEAD OF EDUCATIONAL DEPARTMENT:

Department of Pediatric Dentistry and Orthodontics		N.S. Tuturov
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HEAD OF HIGHER EDUCATION PROGRAMME:

Deputy Director for Academic Affairs, Medical Institute, Head department, professor of the Department of propaedeutics of dental diseases		S.N. Razumova
Position, educational department	Signature	name and surname.