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Federal State Autonomous Educational Institution of Higher Education

Peoples' Friendship University of Russia

Medical institute

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

COURSE SYLLABUS

ORAL SURGERY

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/specialization title

1. THE GOALS OF MASTERING THE DISCIPLINE

The aim of the course «**Oral surgery**» is to prepare a student capable of assisting surgical patients with odontogenic inflammatory diseases of the oral cavity.

2. REQUIREMENTS to LEARNING OUTCOMES

The mastering of the discipline «**Oral surgery**» is aimed at the formation of the following competencies (part of competencies): **GPC-2, GPC-5, GPC-6, GPC-9, PC-1, PC-2, PC-3, PC-5.**

Table 2.1. The list of competencies formed by students during the development of the discipline (results of the mastering of the discipline)

Competence code	Competence	Indicators of Competence Formation (within the framework of this discipline)
GPC-2	Able to analyze the results of his/her own activities to prevent professional errors	GPC -2.1. Analyze the causes of professional errors, adverse treatment outcomes and conflictsituations. The following is a summary of the results of the research and implementation of recommendations aimed at improving the medical and legal training of dentists and the prevention of professional errors, adverse outcomes and conflict situations.
GPC -5	Able to exam a patient in order to establish adiagnosis when dealing with professional tasks	GPC -5.1 Gather anamnesis, analyze patient complaints, conduct physical examination at dental appointments. Formulate a preliminary diagnosis and make a plan for laboratory and instrumental examinations of the dental patient.
GPC -6.	Able to prescribe, monitor the effectiveness and safety of non-medicinal and medication-assisted treatment for professional tasks	GPC -6.1. Develops a treatment plan for dental disease taking into account the diagnosis, age and clinical picture in accordance with the current procedures of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care. GPC -6.2 Selects medical devices (including dental materials) to make a comprehensive treatment plan for dental diseases. Supervises the further course of treatment of the patient.
GPC-9.	Able to assess morphofunctional conditions and pathological processes in the humanbody to solve professional problems	GPC-9.1. Have an algorithm of clinical-laboratory and functional diagnostics when solving professional tasks. Assess the results of clinical-laboratory and functional diagnostics when solving professional tasks.

Competence code	Competence	Indicators of Competence Formation (within the framework of this discipline)
PC-1	Able to diagnose children and adults with dental diseases, establish a diagnosis	PC-1.1. Conducts initial and/or follow-up examinations of a patient to establish a preliminary diagnosis. PC-1.2. Receives information from patients (their relatives/legal representatives), conducts patient questionnaires on general health status, identification of comorbidities in order to establish a preliminary diagnosis.
PC-2	Able to prescribe and administer treatment for children and adults with dental diseases, monitor its effectiveness and safety	PC-2.1. Organizes medical care in emergency and urgent forms for acute dental diseases, conditions, exacerbation of chronic diseases that are life-threatening to the patient or without clear signs of life-threatening to the patient. PC-2.2. selects medications and medical devices (including dental materials) for the treatment of dental diseases, evaluating the possible side effects of taking medications.
PC-3	Able to provide medical care in an emergency and urgent form	PC-3.1 Provides qualified medical care in their specialty using modern rehabilitation methods approved for use in medical practice. PC-3.2 Make an individual rehabilitation plan for a patient with maxillofacial diseases.
PC-5	Able to conduct medical examinations of children and adults with dental diseases	PC-5.1. Motivates patients (their relatives/legal representatives) to lead a healthy lifestyle and give up harmful habits. PC-5.2. develops positive behavior in patients (their relatives/legal representatives) aimed at preserving and improving health.

3. THE COURSE IN THE HIGHER EDUCATION PROGRAMME STRUCTURE:

The course «**Oral surgery**» refers to the *basic* part of Block 1 B1.B.48 of the EP HE.

Within the framework of the Educational Program, students also study other disciplines and/or practices that contribute to the intended learning outcomes of «**Oral surgery**».

Table 3.1. List of components of the EP of Higher Education, contributing to the achievement of the planned results of mastering the discipline

Competence Code	The competence	Previous Disciplines	Subsequent disciplines
GPC-2.	Able to analyze the results of his/her own activities to prevent professional errors	Local anesthesia and anesthesiology in dentistry, Propaedeutics of dental diseases, Normal anatomy, Cariesology, Endodontics	Head and Neck Diseases, Maxillofacial Prosthetics, Gerontostomatology and Mucosal Diseases Internship: internship assistant of oral surgeon

Competence Code	The competence	Previous Disciplines	Subsequent disciplines
GPC -5.	Able to exam a patient in order to establish a diagnosis when dealing with professional tasks	Local anesthesia and anesthesiology in dentistry, Propaedeutics of dental diseases, Normal anatomy, Cariesology, Endodontics	Head and Neck Diseases, Maxillofacial Prosthetics, Gerontostomatology and Mucosal Diseases Internship: internship assistant of oral surgeon
GPC -6.	Able to prescribe, monitor the effectiveness and safety of non-medicinal and medication-assisted treatment for professional tasks	Local anesthesia and anesthesiology in dentistry, Propaedeutics of dental diseases, Normal anatomy, Cariesology, Endodontics	Head and Neck Diseases, Maxillofacial Prosthetics, Gerontostomatology and Mucosal Diseases Internship: internship assistant of oral surgeon
PC-9.	Is able to assess morphofunctional conditions and pathological processes in the human body to solve professional problems	Local anesthesia and anesthesiology in dentistry, Propaedeutics of dental diseases, Normal anatomy, Cariesology, Endodontics	Head and Neck Diseases, Maxillofacial Prosthetics, Gerontostomatology and Mucosal Diseases Internship: internship assistant of oral surgeon
PC-1.	Able to diagnose children and adults with dental diseases, establish a diagnosis	Local anesthesia and anesthesiology in dentistry, Propaedeutics of dental diseases, Normal anatomy, Cariesology, Endodontics	Head and Neck Diseases, Maxillofacial Prosthetics, Gerontostomatology and Mucosal Diseases Internship: internship assistant of oral surgeon
PC-2.	Able to prescribe and administer treatment for children and adults with dental diseases, monitor its effectiveness and safety	Local anesthesia and anesthesiology in dentistry, Propaedeutics of dental diseases, Normal anatomy, Cariesology, Endodontics	Head and Neck Diseases, Maxillofacial Prosthetics, Gerontostomatology and Mucosal Diseases Internship: internship assistant of oral surgeon
PC-3.	Able to provide medical care in an emergency and urgent form	Local anesthesia and anesthesiology in dentistry, Propaedeutics of dental diseases, Normal anatomy, Cariesology, Endodontics	Head and Neck Diseases, Maxillofacial Prosthetics, Gerontostomatology and Mucosal Diseases Internship: internship assistant of oral surgeon

Competence Code	The competence	Previous Disciplines	Subsequent disciplines
PC-5.	Able to conduct medical examinations of children and adults with dental diseases	Local anesthesia and anesthesiology in dentistry, Propaedeutics of dental diseases, Normal anatomy, Cariesology, Endodontics	Head and Neck Diseases, Maxillofacial Prosthetics, Gerontostomatology and Mucosal Diseases Internship: internship assistant of oral surgeon

4. THE DISCIPLINE WORKLOAD AND ACADEMIC ACTIVITIES

The total time commitment of the course is **5** credit units (216 hours).

Table 4.1. Types of learning activities by periods of study of the HE for the full-time form of study

Type of academic activities	Total, academic hours	Semesters		
		6	7	
<i>Classroom learning, ac.h.</i>	109	51	64	
Including:	-	-	-	
Lectures (Lec)	16		16	
Laboratory work (Lab)	93	51	48	
Practical/Seminar classes (S)				
Self-studies, academic hours	26	18	35	
<i>Evaluation and assessment (exam or pass/fail grading)</i>	9	3	9	
Total workload of the discipline	ac.h.	180	72	108
	credit unit.	5	2	3

5. THE COURSE MODULES AND CONTENTS

Table 5.1. The content of the discipline and types of academic activities

Semester	Modules and Topics	Content of the topics	Type of academic activities
6	Module 1 Periodontitis	1.1 Etiology, pathogenesis and classification of odontogenic inflammatory diseases of the maxillofacial region 1.2 Etiology, pathogenesis and classification of periodontitis. Acute periodontitis. Pathological anatomy, clinical picture, diagnosis, differential diagnosis, prevention.	Lab, SS

Semester	Modules and Topics	Content of the topics	Type of academic activities
6	Module 1 Periodontitis	1.3 Chronic periodontitis. Pathological anatomy, clinical picture, diagnosis, differential diagnosis, prevention.	Lab, SS
		1.4 Surgical treatment of chronic periodontitis. Tooth-preserving operations. Indications, contraindications, techniques, complications.	
	Module 2 Periostitis of the jaw	2.1 Etiology, pathogenesis and classification. Acute periostitis. Pathological anatomy, clinical picture, diagnosis, differential diagnosis, treatment, prevention..	Lab, SS
		2.2 Chronic periostitis. Pathological anatomy, clinical picture, diagnosis, differential diagnosis, treatment, prevention.	
	Module 3 Odontogenic osteomyelitis of the jaw	2.3 Etiology, pathogenesis, pathological anatomy, clinical picture (Acute, subacute, chronic stages of osteomyelitis).	Lab, SS
		2.4 Diagnostics, differential diagnostics, treatment, prevention.	
	Module 4 Diseases of the lymphatic system	4.1 Lymphatic system of the face and neck. Lymphangitis. Etiology, pathogenesis, pathological anatomy, clinical picture, diagnosis, differential diagnosis, treatment, prevention.	Lab, SS
		4.2 Lymphadenitis. Etiology, pathogenesis, pathological anatomy, clinical picture, diagnosis, differential diagnosis, treatment, prevention.	
		4.3 Adenophlegmon. Etiology, pathogenesis, pathological anatomy, clinical picture, diagnosis, differential diagnosis, treatment, prevention.	
	Module 5 Diseases of teething	5.1 Pericoronitis. Etiology, pathogenesis, pathological anatomy, clinical picture, diagnosis, differential diagnosis, treatment, prevention.	Lab, SS
		5.2 Misplacement and retention teeth. Classification, clinical picture, diagnosis, removal of certain groups of teeth, complications, prevention.	
	Module 6 Odontogenic inflammation of the maxillary sinus	6.1 Anatomy of the maxillary sinus. Etiology, pathogenesis, pathological anatomy.	Lab, SS
		6.2 Clinical picture, diagnosis, differential diagnosis, treatment, prevention.	

Semester	Modules and Topics	Content of the topics	Type of academic activities
8	Module 1 Abscesses and phlegmon located near the lower jaw	1.1 Classification, General principles of diagnosis. Changes in the body's immunological reactivity in case of odontogenic inflammatory diseases. Abscesses and phlegmon of the submandibular and mental region.	Lab, SS
		1.2 Abscesses and phlegmons of the peripharyngeal, pterygo-maxillary and posterior-maxillary spaces.	
		1.3 Abscesses of the maxillary-lingual groove, sublingual region, retromolar space. Abscesses of the body and root of the tongue.	
		1.4 Phlegmon of the floor of the mouth. Putrid-necrotic phlegmon of the face and neck.	
	Module 2 Abscesses and phlegmon located near the upper jaw	2.1 Abscesses and phlegmon of the infraorbital, zygomatic, buccal regions. Phlegmon of the orbit. Phlegmon of the temporal region, infratemporal and pterygopalatine fossae.	Lab, SS
		2.2 Abscesses and phlegmons of the parotid-masticatory and submasserial areas. General principles for the treatment of abscesses and phlegmon of the face and neck. Physiotherapy and rehabilitation of patients.	
	Module 3 Complications of odontogenic inflammatory diseases	Thrombophlebitis of the facial veins. Thrombosis of the cavernous sinus. Mediastinitis. Meningitis. Sepsis.	Lab, SS

* - to be completed only for full-time study: Lec - lectures; Lab - laboratory work; S - seminars

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT

REQUIREMENT

Table 6.1. Logistical and material provision for the discipline

Classroom for Academic Activity Type	Classroom Equipment	Specialized educational/laboratory equipment, software and materials for the mastering of the discipline
Laboratory	Auditorium for laboratory work, individual consultations, current monitoring and interim certification, equipped with a set of specialized furniture and equipment.	PC, Microsoft Products (OS, office applications package), Projector. Medicaid tables. Photographs of topical patients. Videos with operational interventions. A set of radiographs and computed tomograms.

Classroom for Academic Activity Type	Classroom Equipment	Specialized educational/laboratory equipment, software and materials for the mastering of the discipline
	(FGSN 286, CDC classroom 2)	Broadcasting operations from the operating room to the screen in the training room in online mode. Macro preparations, models, training phantoms. Surgical instrument sets for tooth extraction, dental implants, and various types of sutures.
For students' independent work	Auditorium for independent work of students (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to the EIOS. (FGSN 286, CDC Auditorium 2, Main Building Lecture Hall)	Microsoft products (OS, office applications package) Medical textbook tables, PC, projector, Photos of thematic patients. Videos with surgical interventions A set of radiographs and computed tomograms. Broadcasting operations from the operating room to the screen in the training room in online mode. Macro preparations, models, training phantoms. Surgical instrument sets for tooth extraction, dental implant placement, splinting of teeth and jaws, cheekbone repositioning, different types of sutures.

* - the classroom for students' independent work is specified MUST!

7. RECOMMENDED SOURCES for COURSE STUDIES

Main reading

1. Surgical Dentistry : textbook / ed. by V.V. Afanasiev. Afanasiev. - 3rd ed. revised. - M. : GEOTAR-Media, 2016. - 400 c. - ISBN 978-5-9704-3704-9.
2. Surgical Dentistry and Maxillofacial Surgery : National Guide / edited by A.A. Kulakov, T.G. Robustova, A.I. Nerobeev. - Moscow : GEOTAR-Media, 2015. - 928 c. - (National guidelines). - ISBN 978-5-9704-3727-8.

Additional reading

1. Surgical Dentistry. Inflammatory and dystrophic diseases of salivary glands: textbook / A.M. Panin, I.V. Gaiduk, V.I. Vasiliev [et al]; edited by A.M. Panin. - 2nd ed., revised and extended ; Electronic textual data. - Moscow : Literra, 2020. - ISBN 978-5-4235-0354-3.
2. Peculiarities of treatment of odontogenic cystic neoplasms of the lower jaw by cystotomy / B.Y. Asnin, S.A. Asnina, A.Yu. Drobyshev [et al.] // Stomatology. - 2020. - № 7. 99 (6). - C. 33 - 37.
3. Diseases of teeth and oral cavity : textbook / I.M. Makeeva, S.T. Sokhov, M.Y. Alimova [et al.] - Electronic text data. - Moscow : GEOTAR-Media, 2020. - 256 c. : ill. - ISBN 978-5-9704-5675-0.

Internet (based) sources

1. Electronic libraries with access for RUDN students:
PFUR Libraries and third-party Libraries, to which university students have access on the basis of contracts:
 - RUDN Electronic Library System - RUDN EBS <http://lib.rudn.ru/MegaPro/Web>
 - University Library Online Libraries <http://www.biblioclub.ru> - Yurite Libraries <http://www.biblio-online.ru>

- Student's Consultant EBS www.studentlibrary.ru
- EBS "Lan" <http://e.lanbook.com/>

2. Databases and search engines:

- electronic collection of legal and regulatory and technical documentation <http://docs.cntd.ru/>
- SCOPUS abstract database [http://www.elsevier.com/locate/scopus/](http://www.elsevier.com/locate/scopus)
- WHODocumentation Center <http://whodc.mednet.ru/>
- Surgery Digital Library <http://surgerylib.ru/>

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 "Maxillofacial and gnathic surgery" are presented in the Appendix to this Work Program of the discipline. * - ET and PRS are formed on the basis of the requirements of the relevant local regulatory act of the RUDN

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position, name of the department

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