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ФИО: Ястребов Олег Александрович
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**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

EMERGENCY CONDITIONS IN OUTPATIENT DENTAL PRACTICE

course title

Recommended by the MSS for the direction of training/specialty:

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

1. COURSE GOAL(s)

The course "Emergency conditions in outpatient dental practice" is included in the program of the specialty "Dentistry" in the direction 31.05.03 "Dentistry " and is studied in the 7 semesters of the 4th course. The discipline is implemented by the Department of General Medical Practice. The discipline consists of 3 sections and 10 topics and is aimed at studying the peculiarities of the work of a medical doctor in primary health care.

The purpose of mastering the course is to provide training for doctors in the specialty "Dentistry", focused on working in primary health care.

2. REQUIREMENTS FOR LEARNING OUTCOMES

The development of the course "Emergency conditions in outpatient dental practice" is aimed at the formation of the following competencies (parts of competencies) in students:

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

Competence code	Competence descriptor	Competence formation indicators (within this course)
GPC- 5	The ability to conduct a patient examination in order to establish a diagnosis when solving professional tasks	GPC -5.8. The ability to perform differential diagnostics with other diseases / conditions, including urgent ones.
GPC- 6	The ability to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional tasks	GPC -6.7. The ability to prescribe medicines, medical devices, taking into account the diagnosis, age and clinical picture, and in accordance with the current procedures for medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care.
GPC- 7	The ability to organize work and make professional decisions in urgent conditions, in emergency situations, epidemics and in foci of mass destruction	GPC -7.2. The ability to identify conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and respiration.
		GPC -7.3. Readiness to provide emergency medical care to patients in conditions that pose a threat to the life of patients, including clinical death (stopping vital functions of the human body (blood circulation and (or) respiration).
		GPC -7.4. Willingness to use medicines and medical devices when providing emergency medical care.

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

Compe tence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
GPC- 5	The ability to conduct a patient examination to establish a diagnosis when solving professional tasks	Dental prosthetics (simple prosthetics); Cariesology and diseases of hard tissues of teeth; Local anesthesia and anesthesiology in dentistry; General Surgery; Propaedeutics of dental diseases; Prosthetics in the absence of teeth; Surgical diseases; Oral surgery; Internal diseases; Endodontics; Pathological anatomy - Pathanatomy of the head and neck;	Assistant to a dentist (orthopedist); Gnatology and functional diagnostics of the temporal mandibular joint; Dermatovenerology; Pediatric Dentistry; Pediatric Maxillofacial surgery; Diseases of the head and neck; Medical genetics in dentistry; Orthodontics and pediatric prosthetics; Dentition prosthetics (complex prosthetics); Maxillofacial and gnatic surgery; Maxillofacial prosthetics; Gerontostomatology and diseases of the oral mucosa; Neurology; Periodontics; Psychiatry and narcology; Implantology and reconstructive surgery the oral cavity; Pediatrics;
GPC- 6	The ability to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional tasks	Dental prosthetics (simple prosthetics); Immunology, clinical immunology; Cariesology and diseases of hard tissues of teeth; General Surgery; Prosthetics in the complete	Gnatology and functional diagnostics of the temporal mandibular joint; Dermatovenerology; Pediatric Dentistry; Pediatric Maxillofacial surgery;

		absence of teeth; Surgical diseases; Oral Surgery; The basics of military training. Life safety; Internal diseases; Materials Science; Endodontics; Pharmacology; Materials Science;	Diseases of the head and neck; Implantology and reconstructive surgery of the oral cavity; Clinical Dentistry; Medical genetics in dentistry; Orthodontics and pediatric prosthetics; Dentition prosthetics (complex prosthetics); Maxillofacial and gnatic surgery; Maxillofacial prosthetics; Gerontostomatology and diseases of the oral mucosa; Neurology; Periodontology; Pediatrics; Psychiatry and narcology; Clinical pharmacology; Medical rehabilitation;
GPC- 7	The ability to organize work and make professional decisions in urgent conditions, in emergency situations, epidemics and in foci of mass destruction	General surgery; Surgical diseases; Topographic anatomy and operative surgery of the head and neck;	Diseases of the head and neck; Implantology and reconstructive surgery of the oral cavity; Maxillofacial and gnatic surgery; Disaster medicine; Epidemiology; Medical rehabilitation; Emergency conditions; General medical skills;

* 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 is **2 credits (72 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			
		5	6	7	8
<i>Contact work, ac.h.</i>	51	-	-	51	-
including:					
Lectures (LC)	-	-	-	-	-
Lab work (LW)	-	-	-	-	-
Seminars (workshops/tutorials) (S)	51	-	-	51	-

Type of academic activities		Total academic hours	Semesters/training modules			
			5	6	7	8
<i>Self-studies</i>		18	-	-	18	-
<i>Evaluation and assessment (exam/passing/failing grade)</i>		3	-	-	3	-
Total course workload	academic hours	72	-	-	72	-
	credits	2	-	-	2	-

* 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. Organization of the dentist's work in case of emergency conditions at an outpatient appointment	Topic 1.1. Definition of emergency conditions, features of dental outpatient admission, anamnesis collection, packing-first aid kit for emergency care in general somatic complications in dental offices.	S
Section 2. First aid for emergency conditions and diseases	Topic 2.1. Emergency conditions for hypertension. Hypertensive crisis.	S
	Topic 2.2. Coronary heart disease. Angina attack. Myocardial infarction. Diagnostics. Emergency care.	S
	Topic 2.3. Fainting, epileptic seizure, shock, collapse, strokes, brain coma. Diagnostics and emergency care.	S
	Topic 2.4. Emergency care for bleeding, hemorrhagic shock, accidental injection of aggressive fluids	S
	Topic 2.5. Differential diagnosis of headaches (facial) pains: facial nerve neuralgia, trigeminal nerve neuralgia.	S
	Topic 2.6. Emergency care for acute allergic diseases. Urticaria. Quincke's edema. Anaphylactic shock.	S
	Topic 2.7. Bronchial asthma. Asthmatic status. Emergency care.	S
	Topic 2.8. Comas. Emergency conditions in diabetes mellitus. Hyperglycemic coma. Hypoglycemic coma.	S
Section 3. Fundamentals of cardiopulmonary resuscitation	Topic 3.1. Emergency care for airway obstruction and hypoventilation. Cardiopulmonary resuscitation in case of respiratory and circulatory arrest.	S
		S

* - to be filled in only for **full**-time training: LC - lectures; LW - lab work; S - seminars.

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Material and technical support of the discipline

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
Lab-work	An auditorium for laboratory work, individual consultations, routine monitoring and intermediate certification, equipped with a set of specialized furniture and equipment.	Laboratory and diagnostic equipment of the clinical bases of the department
Seminar	An auditorium for seminar-type classes, group and individual consultations, routine monitoring and intermediate certification, equipped with a set of specialized furniture and equipment.	Guarantor (Agreement No. 13A/46/2018 dated 02/04/2018) Consultant Plus (Information Support Agreement dated 01/09/2013) Reg. number of the central office-03-207-7474
Self-studies	An auditorium for independent work of students (can be used for seminars and consultations), equipped with a set of specialized furniture and access to UIES.	Guarantor (Agreement No. 13A/46/2018 dated 02/04/2018) Consultant Plus (Information Support Agreement dated 01/09/2013) Reg number of the central office-03-207-7474

7. RESOURCES RECOMMENDED FOR COURSE STUDY

1. Basic readings:

1. Regulatory documents:

- 1. Order of the Ministry of Health of the Russian Federation dated 07/31/2020 No. 786n "On approval of the Procedure for providing medical care to adults with dental diseases" (with amendments and additions)
- 2. Order of the Ministry of Health of the Russian Federation dated 11/13/2012 No. 910n "On approval of the Procedure for providing medical care to children with dental diseases" (with amendments and additions)
- 3. Order of the Ministry of Health of the Russian Federation dated October 30, 2020 No. 1183n "On approval of requirements for the complete set of medicines and medical devices for the provision of primary care medical and sanitary assistance to adults in an urgent form"

2. Textbooks and scientific manuals:

- 1. Vertkin A. L., Aleksanyan L. A., Balabanova M. V. Emergency medical care at the prehospital stage. textbook [Electronic resource]. Moscow : GEOTAR-Media, 2021. 544 p. ISBN 978-5-9704-

6614-8 URL: https://mega.rudn.ru/MegaPro/UserEntry?Action=Link_FindDoc&id=518538&idb=0-

- 2. Fundamentals of intensive care medicine: textbook / O.Y. Burmistrova. - St. Petersburg: Lan, 2020. - 224 p.: ill. - (Textbooks for universities. Special literature.). - ISBN 978-5-8114-3981-2
- 3. Emergency care at the prehospital stage : a textbook / V.G. Lychev, I.E. Babushkin, A.V. Andrienko, V.V. Davydov; edited by prof. V.G. Lychev. Moscow : INFRA-M, 2024. 160 p. (Higher education: Specialty). — DOI 10.12737/textbook_5bff9434a077c5.72397133. - ISBN 978-5-16-016112-9. - Text : electronic. - URL: <https://znanium.ru/catalog/product/2081091>
- 4. Emergency and urgent conditions: a textbook for the training of highly qualified personnel / S.A. Sumin, K.G. Shapovalov. - M.: Medical Information Agency, 2019. - 624 p. : ill. - ISBN 978-5-9986-0362-4
- 5. Anesthesia and emergency care in outpatient dental practice: textbook / S.T. Sokhov, V.V. Afanasyev, E.G. Anisimova [et al.]. - Moscow : GEOTAR-Media, 2019. - 208 p. - ISBN 978-5-9704-5067-3.

Additional readings:

1. Regulatory documents:

- 1. Order of the Department of Health of the city of Moscow dated 05/18/2023 No. 535 “On approval of Algorithms for providing emergency and emergency medical care”.

2. Textbooks and scientific manuals:

- 1. Algorithms for performing manipulations in emergency and emergency conditions. the training manual. Part 2 [Electronic resource] / Kostsova Nadezhda Grigorievna [et al.]. Moscow : RUDN University, 2025. 107 pp. 978-5-209-11900-5 URL: https://mega.rudn.ru/MegaPro/UserEntry?Action=Link_FindDoc&id=518835&idb=0
- 2. Zelinskaya, D. I. Pre-medical medical care for emergency conditions in children : a textbook / D.I. Zelinskaya, R.N. Terletsкая. Moscow : INFRA-M, 2025. 74 p. (Secondary vocational education). — DOI 10.12737/742. - ISBN 978-5-16-013912-8. - Text : electronic. - URL: <https://znanium.ru/catalog/product/2173436>
- 3. Bichun A.B., Vasiliev A.V., Mikhailov V.V. Emergency care in dentistry. - M.: GEOTAR - Media, 2016. - 320 p.: ill. - (Series "Library of a specialist doctor"). - ISBN 978-5-9704-3471-0.
- 4. Organization of primary pre-medical, medical and sanitary care for those affected by non-emergency nursing, medical and nursing teams, first aid units in emergency situations [Text]: A manual for doctors, nurses and students of medical colleges and universities / M.Y. Bogodarov [et al.]. - 2nd ed., reworked . and additional - M. : Publishing House of RUDN, 2017. - 233 p. - ISBN 978-5-209-08460-0
- 5. Levchuk I.P. First Aid in Case of Accidents and Emergency Situations [Electronic resource] : Course book / I.P. Levchuk, M.V. Kostyuchenko, A.P. Nazarov. - Moscow : GEOTAR-Media, 2017. - 120 p. - ISBN 978-5-9704-4230-2.

Internet sources

1. Electronic libraries (EL) of RUDN University and other institutions, to which university students have access on the basis of concluded agreements:

- RUDN Electronic Library System (RUDN ELS) <http://lib.rudn.ru/MegaPro/Web>
- EL "University Library online" <http://www.biblioclub.ru>
- EL "Yurayt" <http://www.biblio-online.ru>; <https://urait.ru/>
- EL "Student Consultant" www.studentlibrary.ru
- EL of the Troitskiy Most Publishing House (St. Petersburg) "Troitskiy Most" <http://www.trmost.ru>
- Scientific Electronic Library <http://elibrary.ru/defaultx.asp>

2. Databases and search engines:

- electronic foundation of legal and normative-technical documentation <http://docs.cntd.ru/>
- Yandex search engine [https:// www .yandex.ru/](https://www.yandex.ru/)
- Google search engine <https://www.google.ru/>
- SCOPUS abstract database <http://www.elsevierscience.ru/products/scopus/>
- Consultant Plus Legal Reference system <http://www.consultant.ru/>
- Garant legal reference system <https://base.garant.ru/>
- official internet portal of legal information <http://pravo.gov.ru>
- Website of the Ministry of Health of the Russian Federation/ Orders of the Ministry of Health of the Russian Federation on the approval of procedures, standards of medical care and clinical recommendations / <https://minzdrav.gov.ru/documents>
- Rubricator of clinical recommendations of the Ministry of Health of Russia <https://cr.minzdrav.gov.ru/>

Educational and methodological guidelines for student's self-studies of the discipline/module:*

1. A course of lectures on the discipline "Emergency conditions in outpatient dental practice".

* The training toolkit and guidelines for the student's self-studies are placed on the discipline page in the university telecommunication training and information system under the set procedure.

8. ASSESSMENT TOOLKIT AND GRADING SYSTEM* FOR EVALUATION OF STUDENTS' COMPETENCES LEVEL AS THE RESULT OF STUDYING THE DISCIPLINE

The assessment materials and the grading system* to evaluate the level of competences (part of competencies) as a result of mastering the discipline " Emergency conditions in outpatient dental practice" are specified in the Appendix to this syllabus.

* The assessment materials and the grading system are formed according to the requirements of the relevant local normative act of RUDN University.

DEVELOPERS:

Associate Professor

position, educational department

signature

E.I. Rusanova

name and surname

HEAD OF EDUCATIONAL DEPARTMENT:

Head of the Department

position, educational department

signature

N.V. Sturov

name and surname

HEAD OF HIGHER EDUCATION PROGRAMME:

Deputy Director for Academic Affairs

position, educational department

signature

S.N Razumova

name and surname

