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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 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

2024-2025

1. COURSE GOAL(s)

The goal of the course "Emergency Conditions in Outpatient Dental Practice" to improve the quality of training of future specialists for practical healthcare, to teach the rules of first aid in case of emergency and urgent conditions in outpatient dental practice, to familiarize students with the basics of first aid, to form knowledge and skills to use them in extreme, urgent situations and in the future professional activity of a dentist.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) "Emergency Conditions in Outpatient Dental Practice" is aimed at the development of the following competences /competences in part: GC-5, GPC-6, GPC-7.

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

Competence code	Competence descriptor	Competence formation indicators (within this course)
GC-5	The ability to conduct a patient examination in order to establish a diagnosis when solving professional tasks	GC -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

Competence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
GC-5	The ability to build social and professional interaction taking into account the peculiarities of the main forms of scientific and religious consciousness, business and general culture of representatives of other ethnic groups and confessions, various social groups.	Bioethics	-
GPC -5	The ability to collect anamnesis, analyzing patient complaints, conducting a physical examination at a dental appointment. The ability to formulate a preliminary diagnosis and make a plan for laboratory and instrumental examinations of a dental patient. The ability to refer a patient for specialized medical care in inpatient conditions or in a day hospital if there are medical indications in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of dental care.	Propaedeutics	-
GPC-9	The ability to determine morphofunctional, physiological states and pathological processes of the human body.	Internal diseases General surgery, surgical diseases Ophthalmology Otorhinolaryngology	Forensic Medicine

* 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			
		7			
<i>Contact work, ac.h.</i>	48	48			
including:					
Lectures (LC)					
Lab work (LW)	48	48			
Seminars (workshops/tutorials) (S)					
<i>Self-studies</i>	21	21			
<i>Evaluation and assessment (exam/passing/failing grade)</i>	3	3			
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.	LW
Section 2. First aid for emergency conditions and diseases	Topic 2.1. Emergency conditions for hypertension. Hypertensive crisis.	LW
	Topic 2.2. Coronary heart disease. Angina attack. Myocardial infarction. Diagnostics. Emergency care.	LW
	Topic 2.3. Fainting, epileptic seizure, shock, collapse, strokes, brain coma. Diagnostics and emergency care.	LW
	Topic 2.4. Emergency care for bleeding, hemorrhagic shock, accidental injection of aggressive fluids	LW
	Topic 2.5. Differential diagnosis of headaches (facial) pains: facial nerve neuralgia, trigeminal nerve neuralgia.	LW
	Topic 2.6. Emergency care for acute allergic diseases. Urticaria. Quincke's edema. Anaphylactic shock.	LW
	Topic 2.7. Bronchial asthma. Asthmatic status. Emergency care.	LW
	Topic 2.8. Comas. Emergency conditions in diabetes mellitus. Hyperglycemic coma. Hypoglycemic coma.	LW
		LW

Course module title	Course module contents (topics)	Academic activities types
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.	LW

* - 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. 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 seminar-type classes, laboratory classes, group and individual consultations, ongoing monitoring and interim certification, equipped with a set of specialized furniture and multimedia presentation equipment.	Microsoft products (OS, office suite) (Subscription Enrollment for Education Solutions (EES) No. 56278518 dated 23/04/2019) 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 from 09.2013
Seminar	An auditorium for conducting seminar-type classes, laboratory classes, group and individual consultations, ongoing monitoring and interim certification, equipped with a set of specialized furniture and multimedia presentation equipment.	Microsoft products (OS, office suite) (Subscription Enrollment for Education Solutions (EES) No. 56278518 dated 23/04/2019) 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 from 09.2013
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.	Microsoft products (OS, office suite) (Subscription Enrollment for Education Solutions (EES) No. 56278518 dated 23/04/2019) Guarantor (Agreement No. 13A/46/2018 dated 02/04/2018)

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
		Consultant Plus (Information Support Agreement dated 01/09/2013) Reg number of the central office-03-207-7474 from 09.2013

* The premises for students' self-studies are subject to **MANDATORY** mention

7. RESOURCES RECOMMENDED FOR COURSE STUDY

Main readings:

1. Burmistrova Oksana Yurievna. Fundamentals of resuscitation: textbook / O.Y. Burmistrova. - St. Petersburg: Lan, 2020. - 224 p.: ill. - (Textbooks for universities. Special literature.). - ISBN 978-5-8114-3981-2
2. Sumin Sergey Alexandrovich. 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
3. 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. Emergency medical care at the prehospital stage [Electronic resource]: Textbook / A.L. Vertkin, L.A. Aleksanyan, Balabanova M.V. and others; Edited by A.L. Vertkin. - M.: GEOTAR-Media, 2017. - 544 p. - ISBN 978-5-9704-4096-4.
2. 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.
3. Order of the Department of Health of the City of Moscow dated 10.10.2018 No. 693 "On approval of the fifth edition of Algorithms for the provision of emergency and emergency medical care to patients and injured by teams of the Moscow Ambulance Service" (ed. from 06/21/2021)
4. Organization of the provision of primary pre-medical, medical medical and sanitary care to those affected by non-emergency nursing, medical and nursing teams, first aid units in emergency situations [Text]: Manual for doctors, nurses and students of medical colleges and universities / M.Y. Bogodarov [et al.]. - 2nd ed., pererab. 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.

Resources of the Internet information and telecommunication network:

1. EBS RUDN and third-party EBS, to which university students have access on the basis of concluded contracts:
 - Electronic library system RUDN
 - EBS RUDN (<http://lib.rudn.ru/MegaPro/Web>)

- EBS "University Library online" (<http://www.biblioclub.ru>)
- EBS "Student Consultant" (www.studentlibrary.ru)
- Scientific Electronic Library (<http://elibrary.ru/defaultx.asp>).

2. Databases and search engines:

- official internet portal of legal information <http://pravo.gov.ru> - electronic fund of legal and regulatory and technical documentation (<http://docs.cntd.ru/>)
- ConsultantPlus Legal Reference system (<http://www.consultant.ru/>)
- Garant legal reference system <https://base.garant.ru/> search engine Yandex <https://www.yandex.ru/>
- Google search engine <https://www.google.ru/>
- SCOPUS abstract database <http://www.elsevier.com/locate/scopus/>
- 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/>

Training toolkit for self- studies to master the course *:

1. The set of lectures on the course "Emergency Conditions in Outpatient Dental Practice"
2. The laboratory workshop (if any).on the course "Emergency Conditions in Outpatient Dental Practice"
3. The guidelines for writing a course paper / project (if any) on the course "Emergency Conditions in Outpatient Dental Practice".
4.

* The training toolkit for self- studies to master the course is placed on the course 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 UPON COURSE COMPLETION

The assessment toolkit and the grading system* to evaluate the competences formation level (GC-5, GPC-6, GPC-7) upon the course study completion are specified in the Appendix to the course syllabus.

DEVELOPERS:

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