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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

Head and Neck Diseases

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

1. COURSE GOAL(s)

The discipline of “Head and Neck Diseases” is a part of the Dentistry program, specifically within the specialty designation of 31.05.03 Dentistry. This subject is taught during the 9th semester of the 5th year of study. It is offered by the Department of Maxillofacial Surgery and Surgical Dentistry. The curriculum is organized into two sections comprising seven topics, all focused on the study of diseases affecting the head and neck.

The goal of the course is to equip future dentists with the skills necessary to examine, diagnose, and treat patients who may be suffering from precancerous conditions and tumor processes in the maxillofacial region.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) «Head and Neck Diseases» is aimed at the development of the following competences /competences in part: GPC-2, GPC-5, GPC-6, GPC-7, GPC-9, GPC-12, PC-1, PC-2, PC-3, PC-5.

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

Competence code	Competence descriptor	Competence formation indicators (within this course)
GPC-2	Able to analyze results of given activities to prevent professional mistakes.	GPC-2.1. Analyzing the causes of professional errors, therapeutic failures and conflict situations.
		GPC-2.2. Providing scientific arguments for and implementing recommendations aimed at improving the medical and legal training of dentists, preventing professional errors, adverse outcomes and conflict situations.
GPC-5	Able to examine a patient in order to establish a diagnosis while solving professional problems	GPC-5.2. Formulating a preliminary diagnosis and drawing up a plan for laboratory and instrumental examinations of a dental patient
GPC-6	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional problems	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.
GPC-7	Able to organize work and make professional decisions in case of emergency, in emergencies, epidemics and in outbreaks of mass destruction	GPC-7.1. Being able to use the algorithm for providing first aid in emergency conditions, including in extreme conditions and foci of mass destruction.
		GPC-7.2. Identifying conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and acute respiratory failure.
GPC-9	Able to assess morphological and functional states and pathological processes in the human body to solve professional problems	GPC-9.1. Being able to use the algorithm of clinical, laboratory and functional diagnosis in dealing with professional tasks
		GPC-9.2. Evaluating the results of clinical, laboratory and functional diagnosis in dealing with professional tasks.
GPC-12	Capability of applying and monitoring the effectiveness of medical rehabilitation on a dental patient	GPC-12.2 Applies methods of comprehensive rehabilitation of patients with dental diseases, taking into account the general condition of the body and the presence of concomitant pathology;
PC-1	Able to diagnose children and adults with dental diseases, making a diagnosis.	PC-1.1. Making an initial examination and/or reexamination for a patient in order to make a preliminary 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-2	Able to prescribe, monitor the efficacy and safety of non-drug and drug treatment	PC-2.1. Organizing the provision of emergency and urgent medical care for acute dental diseases, conditions, exacerbation of chronic diseases, which pose a threat to the patient's life, or without obvious signs of a threat to the patient's life.

		PC-2.2. Selecting drugs and medical devices (including dental materials) for dental disease treatment assessing the possible side effects of taking medicinal drugs.
PC-3	Able to prescribe and conduct treatment of children and adults with dental diseases, monitoring its effectiveness and safety	PC-3.1. Providing qualified medical care in the specialty using modern rehabilitation methods approved for use in medical practice.
		PC-3.2. Drawing up an individual rehabilitation plan for a patient with diseases of the maxillofacial area.
PC-5	Able to conduct medical examinations for children and adults with dental diseases	PC-5.1. Motivating patients (their relatives/legal representatives) to stick to a healthy lifestyle and give up bad habits.
		PC-5.2. Promoting positive behaviour so that patients (their relatives/legal representatives) maintain and improve their level of health .

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*
GPC-2.	Able to analyze the results of their own professional activity to prevent professional errors	Local anesthesia and Anesthesiology in Dentistry, Oral and Maxillofacial Surgery and Gnathic Surgery; Head and neck diseases; Denture prosthetics (complex prosthetics), Full mouth dental implants	Maxillofacial and Gnathic Surgery, Maxillofacial Prosthetics, Geriatric Dentistry and mucosal diseases, Gnathology and functional diagnostics of temporomandibular joint Practice: manufacturing practice dental assistant

GPC-5.	Able to examine patients to determine a diagnosis when solving professional tasks	Local anesthesia and Anesthesiology in Dentistry, Oral and Maxillofacial Surgery and Gnathic Surgery; Head and neck diseases; Denture prosthetics (complex prosthetics), Full mouth dental implants Practice: manufacturing practice dental surgeon assistant	Maxillofacial and Gnathic Surgery, Maxillofacial Prosthetics, Geriatric Dentistry and mucosal diseases, Gnathology and functional diagnostics of temporomandibular joint Practice: manufacturing practice dental assistant
GPC-6.	Able to prescribe non-drug and drug treatment, monitor its efficacy and safety when solving professional tasks	Pharmacology, Histology, Embryology, Cytology – Oral histology, Microbiology, Virology – Oral microbiology, Local anesthesia and Anesthesiology in Dentistry, Oral and Maxillofacial Surgery and Gnathic Surgery; Head and neck diseases; Denture prosthetics (complex prosthetics), Full mouth dental implants Practice: manufacturing practice dental surgeon assistant	Maxillofacial and Gnathic Surgery, Maxillofacial Prosthetics, Geriatric Dentistry and mucosal diseases, Gnathology and functional diagnostics of temporomandibular joint Practice: manufacturing practice dental assistant
GPC-7.	Able to organize work and take professional decisions in case of emergency conditions, amid emergencies, epidemics, and in the foci of mass destruction	Public Health, Healthcare, Health and wellness, Epidemiology, Emergency medicine, Local anesthesia and Anesthesiology in Dentistry, Oral and Maxillofacial Surgery and Gnathic Surgery; Head and neck diseases Denture prosthetics (complex prosthetics), Full mouth dental implants Practice: manufacturing practice dental surgeon assistant	Maxillofacial and Gnathic Surgery Maxillofacial Prosthetics, Geriatric Dentistry and mucosal diseases, Gnathology and functional diagnostics of temporomandibular joint Practice: manufacturing practice dental assistant

GPC-9.	Able to assess morpho-functional, physiological conditions and pathological processes in the human body to solve professional tasks	Local anesthesia and Anesthesiology in Dentistry, Oral and Maxillofacial Surgery and Gnathic Surgery; Head and neck diseases; Denture prosthetics (complex prosthetics), Full mouth dental implants Practice: manufacturing practice dental surgeon assistant	Maxillofacial and Gnathic Surgery, Maxillofacial Prosthetics, Geriatric Dentistry and mucosal diseases, Gnathology and functional diagnostics of temporomandibular joint Practice: manufacturing practice dental assistant
GPC -12	Capability to implement and monitor the effectiveness of medical rehabilitation of a dental patient	Maxillofacial and gnathic surgery;	Clinical dentistry; Maxillofacial and gnathic surgery; Maxillofacial prosthetics;
PC-1.	Able to make an examination for a patient in order to determine a diagnosis.	Local anesthesia and Anesthesiology in Dentistry, Oral and Maxillofacial Surgery and Gnathic Surgery; Head and neck diseases; Denture prosthetics (complex prosthetics), Full mouth dental implants, Pediatric dentistry, Orthodontology and children's prosthetics Practice: manufacturing practice dental surgeon assistant	Maxillofacial and Gnathic Surgery, Maxillofacial Prosthetics, Geriatric Dentistry and mucosal diseases, Gnathology and functional diagnostics of temporomandibular joint Practice: manufacturing practice dental assistant
PC-2.	Able to prescribe, monitor the efficacy and safety of non-drug and drug treatment	Local anesthesia and Anesthesiology in Dentistry, Oral and Maxillofacial Surgery and Gnathic Surgery; Head and neck diseases; Denture prosthetics (complex prosthetics), Full mouth dental implants, Pediatric dentistry, Orthodontology and children's prosthetics Practice: manufacturing practice dental surgeon assistant	Maxillofacial and Gnathic Surgery, Maxillofacial Prosthetics, Geriatric Dentistry and mucosal diseases, Gnathology and functional diagnostics of temporomandibular joint Practice: manufacturing practice dental assistant

PC-3.	Able to provide emergency medical treatment	Public Health, Healthcare, Health and wellness, Epidemiology, Emergency medicine, Local anesthesia and Anesthesiology in Dentistry, Oral and Maxillofacial Surgery and Gnathic Surgery; Head and neck diseases; Denture prosthetics (complex prosthetics), Full mouth dental implants Practice: manufacturing practice dental surgeon assistant	Maxillofacial and Gnathic Surgery, Maxillofacial Prosthetics, Geriatric Dentistry and mucosal diseases, Gnathology and functional diagnostics of temporomandibular joint Practice: manufacturing practice dental assistant
PC-5.	Able to conduct medical examinations for children and adults with dental diseases	Local anesthesia and Anesthesiology in Dentistry, Oral and Maxillofacial Surgery and Gnathic Surgery; Head and neck diseases; Denture prosthetics (complex prosthetics), Full mouth dental implants, Pediatric dentistry, Orthodontology and children's prosthetics, Forensic Sciences Practice: manufacturing practice dental surgeon assistant	Maxillofacial and Gnathic Surgery, Maxillofacial Prosthetics, Geriatric Dentistry and mucosal diseases, Gnathology and functional diagnostics of temporomandibular joint Practice: manufacturing practice dental assistant

* 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 to 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			
		9			
<i>Contact academic hours</i>	51	51			
Lectures (LC)					
Lab work (LW)	51	51			
Seminars (workshops/tutorials) (S)					
<i>Self-studies</i>	15	15			
<i>Evaluation and assessment (exam/passing/failing grade)</i>	6	6			

Type of academic activities		Total academic hours	Semesters/training modules			
			9			
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
Module 1 Benign tumors	1.1 Classification of tumors. Odontogenic and Neodontogenic jaw tumors. Osteogenic and Non-osteogenic jaw tumors. 1.2 Jaw cysts. Tumor-like jaw formations. Congenital cysts and fistulas of the face and neck. Benign tumors of the soft tissues of the maxillofacial region.	LW
Module 2 Malignant tumors	2.1 Carcinogenesis theories. Oncostomatological care organization. Dispensary groups. Patient examination methods. Facial and oral cavity precancer classification. Optional precancer and background diseases. 2.2 Facial and oral cavity obligate precancer. Precancer diseases treatment principles 2.3 Facial skin and lip cancer. Oral mucosa and tongue cancer. 2.4 Cancer of the upper and lower jaws. Sarcoms. 2.5 Benign and malignant tumors salivary glands tumors. Malignant treatment principles.	LW

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

5. 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)

<p>Lab-work</p>	<p>An auditorium for laboratory work, individual consultations, ongoing monitoring and midterm assessment, equipped with a set of specialized furniture and equipments.</p>	<p>A set of specialized furniture; Interactive complex: Projector Epson EB680Wi (V11H742041). Country of origin "Philippines", Monoblock Dell Optiplex 7780 512 GB + 1 TB., Presenter Logitech Wireless Presenter Professional R700; Software: Microsoft products (OS, office suite, etc.) including MS Office/ Office 365, Teams); Magnetic marker board 100x150 cm; Simulators: Dental phantom PHT, GF dental, Phantom head table edge mount, GF dental, Upper and lower jaw model for practicing manipulations in surgical dentistry (manufacturer: Dental Store/ Dental Store, Italian Republic (Italy)), Portable surgical dental implant unit Implantmed SI-923. Manufacturer: "Vi und Ha Dental". W&H Dentalwerk Burmoos GmbH / Republic of Austria, Dental surgical tip S-9 LG (1:1 (manufacturer: W&H Dentalwerk Burmoos GmbH / Wi und Ha Dental Werk Burmoos GmbH, Republic of Austria, Skull model consisting of 10 parts with color marking, GF dental; Set of tools: Double-sided curette medium (spoon 11 curette), Needle holder, 14 cm (121-315) (Medenta), Straight anatomical tweezers 150 x 2.5 mm. (SammarInt.), Kidney-shaped tray LMP - "MEDICON", 200x120x30 (V=0.3n) (Medicon), Curved dental tweezers Psi (150x0.8mm) (MMIZ) Tooth extraction forceps,</p>
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		Elevator, set of 10 pieces. (Asa Dental)
Self-studies	A classroom for independent work of students (can be used for conducting seminars and consultations), equipped with a set of specialized furniture and computers with access to the Electronic Information System.	<p>A set of specialized furniture; Interactive complex: Projector Epson EB680Wi (V11H742041). Country of origin Philippines, Monoblock Dell Optiplex 7780 512 GB + 1 TB., Presenter Logitech Wireless Presenter Professional R700; Software: Microsoft products (OS, office application package, including MS Office / Office 365, Teams); Magnetic marker board 100x150 cm.; Simulators: Dental phantom PHT, GF dental, Mount on the edge of the phantom head table, GF dental, Model of the upper and lower jaw for practicing manipulations in surgical dentistry (manufacturer: Dental Store / Dental Store. Italian Republic (Italy)), Installation dental implantological portable surgical Implantmed SI-923. Manufacturer: «Vi und Ha Dental». Werk Burmoos GmbH" / Republic of Austria, Dental surgical tip S-9 LG (1:1 (manufacturer: W&H Dentalwerk Burmoos GmbH / Wi und Ha Dental Werk Burmoos GmbH, Republic of Austria, Skull model consisting of 10 parts with color marking, GF dental; Set of tools: Double-sided medium curette (11 curette spoon), Needle</p>

	holder, 14 cm (121-315) (Medenta), Straight anatomical tweezers 150 x2.5 mm. (SammarInt.), Kidney-shaped tray LMP - "MEDICON", 200x120x30 (V = 0.3n) (Medicon), Curved dental tweezers Psi (150x0.8 mm) (MMIZ) Tooth extraction forceps, Elevator, set of 10 pieces. (Asa Dental)
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* The premises for students' self-studies are subject to **MANDATORY** mention

7. RESOURCES RECOMMENDED FOR COURSE STUDY

Main readings:

1. Maxillofacial surgery: textbook / edited by A.Yu. Drobyshev, O.O. Yanushevich. - Moscow: GEOTAR-Media, 2021. - 880 cm. - ISBN 978-5-9704-5971-3
[Maxillofacial surgery: textbook / edited by A.Yu. Drobyshev, O.O. Yanushevich. - Moscow: GEOTAR-Media, 2021. - 880 cm. - ISBN 978-5-9704-5971-3. {In Russian}]

2. Oncology: textbook / edited by O.O. Yanushevich, L.Z. Velsher, G.P. Gens, A.Yu. Drobyshev. - 2nd ed., corrected. and add. - Moscow : GEOTAR-Media, 2023. - 592 p. - ISBN 978-5- 9704-7436-5. [Oncology: textbook / edited by O.O. Yanushevich, L.Z. Velsher, G.P. Gens, A.Yu. Drobyshev. - 2nd ed., corrected and enlarged. - Moscow: GEOTAR-Media, 2023. - 592 p. - ISBN 978-5-9704-7436-5. {In Russian}]

3. X-ray studies in dentistry and maxillofacial surgery: atlas / A.P. Arzhantsev. - M.: GEOTAR-Media, 2016. - 320 p. - ISBN 978-5- 9704-3773-5. [X-ray examinations in dentistry and maxillofacial surgery: atlas / A.P. Arzhantsev. - M.: GEOTAR-Media, 2016. - 320 p. - ISBN 978-5-9704-3773-5. {In Russian}]

Additional readings:

1. *Surgical dentistry: textbook / S.V. Tarasenko, E.A. Morozova, I.V. Bondarenko [et al.]; edited by S.V. Tarasenko. - Electronic text data. - Moscow: GEOTAR-Media, 2021. - 672 p. - . - ISBN 978-5-9704-6211-9. [Surgical dentistry: textbook / S.V. Tarasenko, E.A. Morozova, I.V. Bondarenko [et al.]; edited by S.V. Tarasenko. - Electronic text data. - Moscow: GEOTAR-Media, 2021. - 672 p. - . - ISBN 978-5-9704-6211-9. {In Russian}]*

2. *Topographic anatomy and operative surgery: a textbook in 2 volumes. T. 1 / V.I. Sergienko, E.A. Petrosyan, I.V. Frautschi; edited by Yu.M. Lopukhina. - 3rd ed. , rev. ; Electronic text data. - Moscow : GEOTAR-Media, 2023. - 832 p. - ISBN 978-5- 9704-7234-7.[Topographic anatomy and operative surgery: a textbook in 2 volumes. T. 1 / V.I. Sergienko, E.A. Petrosyan, I.V. Frautschi; edited by Yu.M. Lopukhina. - 3rd ed. , rev. ; Electronic text data. - Moscow: GEOTAR-Media, 2023. - 832 p. -ISBN 978-5-9704-7234-7. {In Russian}]*

Source of information and literature from the Internet:

1. RUDN University Electronic Library System and third-party electronic library systems to which university students have access on the basis of concluded agreements

- Electronic library system of RUDN - EBS RUDN

<http://lib.rudn.ru/MegaPro/Web>

- Electronic library system "University library online" <http://www.biblioclub.ru>

- EBS Yurayt <http://www.biblio-online.ru>

- Electronic library system "Student Consultant" www.studentlibrary.ru

- EBS "Troitsky 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/>

- SCOPUS abstract database

<http://www.elsevierscience.ru/products/scopus/>

Educational and methodological materials for independent work of students in mastering a discipline/module:*

1. A course of lectures on the subject " Head and neck diseases "

* - all educational and methodological materials for independent work of students are posted in accordance with the current procedure on the discipline page in **TUIS!**

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 (GPC-2, GPC-5, GPC-6, GPC-7, GPC-9, GPC-12, PC-1, PC-2, PC-3, PC-5) upon the course study completion are specified in the Appendix to the course syllabus.

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

DEVELOPERS:

Position, Basic Curriculum.

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