

Документ подписан простой электронной подписью
Информация о владельце:
ФИО: Ястребов Олег Александрович
Должность: Ректор
Дата подписания: 28.05.2026 13:00:44
Уникальный программный ключ:
ca953a0120d891083f939673078ef1a989dae18a

**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

MAXILLOFACIAL SURGERY

course title

Recommended by the Didactic Council for the Education Field of:

31.05.01 General Medicine

field of studies / speciality code and title

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

General Medicine

higher education programme profile/specialisation title

1. COURSE GOAL(s)

The discipline "Maxillofacial surgery" is included in the specialty program "General Medicine" in the direction 31.05.01 "General Medicine" and is studied in the 12th semester of the 6th year. The discipline is implemented by the Department of Maxillofacial Surgery and Surgical Dentistry. The discipline consists of 5 sections and 16 topics and is aimed at mastering the general, specific and operational-technical principles of restorative and reconstructive surgery of the maxillofacial area. The use of modern equipment and new research methods, indications and contraindications for restorative and reconstructive surgeries in the oral cavity, on the face, jaws, anterior and lateral surfaces of the neck.

The goal of the course "Maxillofacial Surgery" is to prepare students of medical faculties in the minimum amount of necessary knowledge in the specialty "maxillofacial surgery", to master the basic techniques of diagnosis, prevention and provision of necessary emergency care for diseases and injuries of the maxillofacial region.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course "Maxillofacial Surgery" is aimed at the formation of the following competencies (parts of competencies) among students: GPC-5, GPC-7, PC-2, PC-3.

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 | Capable of assessing morphofunctional, physiological states and pathological processes in the human body solutions to professional problems | GPC-5.3 Able to determine morphofunctional, physiological states and pathological processes in the human body based on knowledge of the structure of the human body, the functioning of organs and systems in normal and pathological conditions; |
| GPC-7 | Able to prescribe treatment and monitor its efficiency and safety | GPC-7.2 Has an algorithm for making a preliminary diagnosis with subsequent referral of the patient to the appropriate medical specialist; |
| PC-2 | Capable of examining a patient to establish a diagnosis | PC-2.1 Has the skills to collect complaints, anamnesis of life and disease of the patient, as well as to conduct a complete physical examination of the patient (inspection, palpation, percussion, auscultation); PC-2.2 Able to formulate a preliminary diagnosis and draw up a plan for laboratory and instrumental examinations of the patient; PC-2.7 Capable of conducting differential diagnostics with other diseases/conditions, including emergency ones, and also establishing a diagnosis taking into account the current international statistical classification diseases and health problems (IHD); |
| PC-3 | Capable of prescribing treatment and monitoring its effectiveness and safety | PC-3.1 Able to develop a treatment plan for a disease or condition taking into account the diagnosis, age and clinical picture in accordance with current procedures for the provision of medical care, clinical guidelines (treatment protocols) on issues of providing medical care assistance taking into account the standards of medical care; |

3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course refers to the core/variable/elective* component of B 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-5 | Capable of assessing morphofunctional, physiological states and pathological processes in the human body to solve professional problems | Biochemistry; Normal physiology; General surgery; Obstetrics and gynecology; Biology; Microbiology, virology; Oncology, radiation therapy; Pathophysiology, clinical pathophysiology; Molecular genetic methods; Methods of microbiological diagnostics; Propaedeutics of internal diseases; Immunology; Pathological anatomy, clinical pathological anatomy; Radiation diagnostics; Medical elementology; Phthisiology; Anesthesiology, resuscitation, intensive care; Ophthalmology; Methods of cell biology and histology; Chemistry; Pharmacology; Bioorganic chemistry; Anatomy; Histology, embryology, cytology; Topographic anatomy and operative surgery; Forensic medicine; Medical forensics; Otolaryngology; Pediatrics; | |
| GPC-7 | Able to prescribe treatment and monitor its effectiveness and safety | General medical practice: assistant to a physician in an outpatient clinic; General surgery; Otolaryngology; Outpatient therapy; Ophthalmology; Clinical pharmacology; Cardiology in quests; Histology, embryology, cytology; Normal physiology; Propaedeutics of internal | |

| | | | |
|------|---|--|--|
| | | diseases; Pediatrics; Pharmacology; | |
| PC-2 | Capable of examining a patient to establish a diagnosis | <p>Surgical practice: assistant surgeon;</p> <p>Assistant physician of the therapeutic profile: assistant physician of the general practitioner; General medical practice: assistant physician of the outpatient clinic;</p> <p>Obstetrics and gynecology practice: assistant obstetrician; Obstetrics and gynecology practice: assistant gynecologist; General medical practice: assistant pediatrician;</p> <p>General surgery;</p> <p>Dermatovenereology;</p> <p>Neurology, medical genetics, neurosurgery;</p> <p>Ophthalmology; Faculty surgery; Occupational diseases; Hospital therapy; Outpatient therapy;</p> <p>Hospital surgery, pediatric surgery; Pediatrics;</p> <p>Obstetrics and Gynecology;</p> <p>Anesthesiology, Resuscitation, Intensive Care; Oncology, Radiation Therapy;</p> <p>Otolaryngology;</p> <p>Traumatology, Orthopedics; Faculty Therapy; General Medical Skills; Propaedeutics of Internal Diseases;</p> <p>Urology; Infectious diseases; Psychiatry, medical psychology;</p> <p>Phthisiology; Clinical dentistry;</p> <p><i>Current issues in neonatology**;</i></p> <p><i>Topical Issues of Neonatology**;</i></p> <p>Cardiology in quests; Medical enzymology**;</p> <p>Molecular genetics methods; Methods of microbiological diagnostics; Microbiology, virology; Immunology;</p> <p>Evidence-based medicine;</p> <p>Molecular genetics in practical biology and medicine**;</p> <p>Radiation diagnostics;</p> <p>Pathophysiology, clinical pathophysiology; Pathological anatomy, clinical pathological anatomy;</p> <p>Medical elementology;</p> | |

| | | | |
|------|--|--|--|
| PC-3 | Capable of prescribing treatment and monitoring its effectiveness and safety | Dermatovenereology;Neurology, medical genetics, neurosurgery; Faculty surgery; Occupational diseases; Hospital therapy; Outpatient therapy; Hospital surgery, pediatric surgery; Pediatrics; <i>Current issues in neonatology**;</i> <i>Topical Issues of Neonatology**;</i> Obstetrics and Gynecology; Oncology, Radiation Therapy; Otolaryngology; Traumatology, Orthopedics; Clinical Pharmacology; Cardiology in Quests; Clinical Trials**; Faculty Therapy; Ophthalmology; Urology;Infectious diseases; Psychiatry, medical psychology; Phthisiology; <i>Fundamentals of Integrative Medicine**;</i> <i>Fundamentals of Childhood Nutrition**;</i> Fundamentals of therapeutic nutrition; Introduction to nutrition**; Experimental oncology; Pharmacology; Geriatrics and palliative medicine; Surgical practice: assistant surgeon; Assistant physician of therapeutic profile: assistant physician; General medical practice: assistant physician of an outpatient clinic; Obstetrics and gynecology practice: assistant obstetrician; Obstetrics and gynecology practice: assistant gynecologist; General medical practice: assistant pediatrician; | |
|------|--|--|--|

* 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 "Maxillofacial surgery" 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 |
|---|----------------|----------------------|----------------------------|
| | | | 12 |
| <i>Contact academic hours</i> | | 48 | 48 |
| Lectures (LC) | | - | - |
| Lab work (LW) | | 48 | 48 |
| Seminars (workshops/tutorials) (S) | | - | - |
| <i>Self-studies</i> | | 15 | 15 |
| <i>Evaluation and assessment (exam/passing/failing grade)</i> | | 9 | 9 |
| Course workload | academic hours | 72 | 72 |
| | credits | 2 | 2 |

5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

| Course module title | Course module contents (topics) | Academic activities types |
|--|--|---------------------------|
| Section 1 Odontogenic inflammatory diseases of the maxillofacial region | 1.1 Periodontitis | LW |
| | 1.2 Periostitis of the jaw | |
| | 1.3 Odontogenic osteomyelitis of the jaw | LW |
| | 1.4 Abscesses and phlegmons of the face and neck | LW |
| | 1.5 Method of treatment of purulent wound of the maxillofacial region facial area | LW |
| Section 2 Non-gunshot fractures of the maxillofacial region | 2.1 Non-gunshot fractures of the upper jaw, zygomatic bone, nasal bones | LW |
| | 2.2 Non-gunshot fractures of the mandible | LW |
| Section 3 Neoplasms maxillofacial region | 3.1 Soft tissue neoplasms | LW |
| | 3.2 Bone neoplasms | LW |
| | 3.3 Treatment plan for various tumor processes | LW |
| Section 4 Diseases of the salivary glands | 4.1 Reactive-dystrophic changes in the salivary glands | LW |
| | 4.2 Inflammation of the salivary glands | LW |
| | 4.3 Salivary stone disease | LW |
| | 5.1 Types of maxillofacial defects, types of reconstructive surgeries and features of their implementation in the maxillofacial areas | LW |

| | | |
|--|---|----|
| Section 5 Types and origin of maxillofacial defects, indications for various types of reconstructive surgeries. | 5.2 Indications for different types restorative operations | LW |
| Section 6 Basic principles of reconstructive surgery in the maxillofacial region | 6.1 Principles of planning and conducting restorative operations in the maxillofacial region facial area | 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 laboratory work, individual consultations, ongoing monitoring and midterm assessment, equipped with a set of specialized furniture and equipment. | Specialized setfurniture; Interactive complex: Projector Epson EB680Wi (V11H742041). Country originPhilippines, Dell Optiplex 7780 All-in-One 512GB+1TB, Logitech Wireless Presenter Professional R700; Software software: Microsoft products (OS, office suite, 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: «W&H Dental. Werk |

| | | |
|--|--|--|
| | | <p>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 instruments: Double-sided curette medium (spoon 11 curette), Needle holder, 14 cm (121-315) (Medenta), Straight anatomical tweezers 150 x 2.5 mm. (Sammarlnt.), Kidney-shaped tray LMP - "MEDICON", 200x120x30 (V=0.3n) (Medikon), Dental tweezerscurved Psi (150x0.8mm) (MMIZ) Tooth Extraction Forceps, Elevator, Set of 10 (Asa Dental</p> |
|--|--|--|

| | | |
|--|--|--|
| | | <p>Set specialized furniture; Interactive complex: Projector Epson EB680Wi (V11H742041). Country origin Philippines, Monoblock Dell Optiplex 7780 512 GB+1 TB., Presenter Logitech Wireless Presenter Professional R700; Software provision: products Microsoft (OS, package) office applications, in including MS Office/ Office 365, Teams); Board magnetic marker</p> |
|--|--|--|

| | | |
|---------------------|---|--|
| <p>Self-studies</p> | <p>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> | <p>100x150 cm.; Simulators: PHT dental phantom, GF dental, Phantom table edge mount heads, GF dental, Upper and lower model</p> <p>jaws for working off 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, Tip Dental Surgical S-9 LG (1:1 (manufacturer: W&H Dentalwerk Burmoos GmbH/Wi und Ha Dentalwerk Burmoos GmbH, Republic of Austria, Skull model, consisting of 10 parts with color marking, GF dental; Set of instruments: Double-sided curette medium (spoon 11 curette), Needle holder, 14 cm (121-315) (Medenta), Straight anatomical tweezers 150 x 2.5 mm. (Sammarlnt.), Kidney-shaped tray LMP - "MEDICON", 200x120x30 (V=0.3n) (Medicon), Curved dental tweezers Psi (150x0.8mm) (MMIZ) Tooth Extraction Forceps, Elevator, Set of 10 (Asa Dental</p> |
|---------------------|---|--|

* - the audience for independent work of students MUST be indicated!

7. RESOURCES RECOMMENDED FOR COURSE STUDY

Main readings:

1. Surgical dentistry and maxillofacial surgery: practical management / A.A. Kulakov, T.G. Robustova, A.I. Nerobeev; Kulakov A.A., Robustova T.G., Nerobeev A.I. - Moscow: GEOTAR-Media, 2015. - 928 p. - ISBN 978-5-9704-3727-8.
2. Maxillofacial surgery: textbook / edited by A.Yu. Drobyshev, O.O. Yanushevich. - Moscow: GEOTAR-Media, 2021 - 880 cm. - ISBN 978-5-9704-5971-3.
3. Operative maxillofacial surgery and dentistry: a textbook / V.A. Kozlov, I.I. Kagan, A.A. Matchin, S.V. Chemezov; edited by V.A. Kozlov, I.I. Kagan. - Moscow: GEOTAR-Media, 2019 - 544 p. : ill. - ISBN 978-5-9704-4892-2: 1900.00.

Additional readings

1. Odontogenic abscesses and phlegmons of the maxillofacial region (clinical diagnostic landmarks): a teaching aid / V.L. Zandelova. Electronic text data. - M.: RUDN, 2012. - 75 p.: ill. - ISBN 978-5-209-04598-4: 23.38.
Bone grafting before dental implantation: a tutorial / F. F. Losev, A. A. Kulakov, T. V. Brailovskaya. - Electronic text data. - Moscow: GEOTAR-Media, 2022 - 208 p. - ISBN 978-5-9704-6721-3.
Antimicrobial chemotherapy in dentistry and maxillofacial surgery guide for doctors / R.V. Ushakov, V.N. Tsarev, S.V. Yakovlev. – Electronic text data. - Moscow: GEOTAR-Media, 2022 - 424 p. - ISBN 978-5-9704-6709-1.
Abscesses and phlegmons of the maxillofacial region and neck. Atlas: study guide / V.V. Afanasyev, O.O. Yanushevich, B.K. Urgunaliyev. - Electronic text data. - Moscow: GEOTAR-Media, 2022 - 120 c. - ISBN 978-5-9704-6741-1
X-ray examinations in dentistry and maxillofacial surgery: atlas / A.P. Arzhantsev. - M.: GEOTAR-Media, 2016 - 320 p. - ISBN 978-5-9704-3773-5
Topographic anatomy and operative surgery: 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
Resources of the information and telecommunications network "Internet":
 1. RUDN University Electronic Library System and third-party electronic library systems to which university students have access based on concluded agreements
 - Electronic library system of RUDN - ELS RUDN
<http://lib.rudn.ru/MegaPro/Web>
 - Electronic library system "University library online"<http://www.biblioclub.ru>
 - EBS Yurait<http://www.biblio-online.ru>
 - Electronic Library System "Student Consultant"www.studentlibrary.ru
 - Electronic library system "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/>

* - 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

Evaluation materials and point-rating system* for assessing the level of competence formation (GPC-5, GPC-7, PC-2, PC-3) based on the results of mastering the discipline «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 relevant local normative act of RUDN University (regulations / order).

DEVELOPERS:

Associate Professor of the
Department

position, educational department

signature

Trufanov V.D.

name and surname

HEAD OF THE DEPARTMENT:

Head of Department

position, educational department

signature

Ivanov S. Yu.

name and surname

HEAD OF THE PROGRAMME:

Deputy Director of Institute of
Medicine

position, educational department

signature

Sturov N. V.

name and surname