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Medical Institute

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

COURSE SYLLABUS

Pediatric Maxillofacial Dentistry/ 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/specialisation title

1. THE GOALS OF MASTERING THE DISCIPLINE

The purpose of mastering the discipline "Pediatric maxillofacial surgery" is the acquisition by the student of knowledge and skills in the field of diagnosis, treatment and prevention of major surgical dental diseases and injuries of the maxillofacial region in children.

2. REQUIREMENTS to LEARNING OUTCOMES

Mastering the discipline "**Pediatric maxillofacial surgery**" is aimed at developing the following competencies in students:

UC-1; GPC-5; GPC-6; PC-1; PC-2; PC-6

(In accordance with the Federal State Educational Standard of Higher Education (FSES) 3++ 31.05.03 Dentistry).

| – | Competence | Indicators of Competence Formation | | |
|----------|--|--|--|--|
| code | | (within the framework of this discipline) | | |
| UC-1. | Being able to implement critical analysis of problem situations based on systems approach, develop an action strategy. | UC-1.1. Analysing the problem situation as a system identifying its components and links between them. | | |
| GPC-5 | Being able to examine patients to determine a diagnosis when solving professional tasks | GPC-5.1. Gathering anamnesis by analysing the patient's complaints, making a physical examination at a dental appointment. GPC-5.2. Formulating a preliminary diagnosis and drawing up a plan for laboratory and instrumental examinations of a dental patient. GPC-5.3. Compiling medical documentation for a dental patient in accordance with regulatory requirements. GPC-5.8. Conducting differential diagnosis with other diseases/conditions, including the urgent ones. GPC-5.9. Making a diagnosis based on the current international statistical classification of diseases and health problems. | | |
| GPC-6 | Being able to prescribe non-drug and drug treatment, monitor its efficacy and safety when solving professional tasks | 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. | | |
| PC- 1 | Being able to make an examination of a patient in order to determine a diagnosis. | PC-1.1. Making an initial examination and/or reexamination of 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 | | |

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

| Competence | Competence | Indicators of Competence Formation | | |
|------------|--|--|--|--|
| code | | (within the framework of this discipline) | | |
| code | | general health status; identifying concomitant diseases in order to make a preliminary diagnosis. PC-1.3. Detecting if patients have dentoalveolar, facial anomalies, deformities and prerequisites for their development, defects in the crowns of teeth and dentition on the basis of the patient examination; laboratory, instrumental, and additional examinations in order to make a preliminary/final diagnosis. PC-1.4. Detecting if patients have risk factors for oncopathology (including various background processes, precancerous conditions) based on laboratory, instrumental and additional examinations in order to make a preliminary/final diagnosis. PC-1.5. Making a preliminary/final diagnosis based on the patient examination; laboratory and | | |
| PC-2 | Being able to prescribe, monitor the efficacy and safety of non-drug and drug treatment | instrumental examinations. PC-2.6 Providing orthopaedic treatment for persons with defects in teeth, dentition within the temporization procedure, rehabilitation of single defects in the dentition, dental prostheses of up to three units (excluding dental implants prosthetics), partial and complete removable laminar denture using modern treatment methods approved for use in medical practice. | | |
| PC-6 | Being able to analyze and present in public medical information based on evidence-based medicine, participate in scientific research, introduce new methods and techniques aimed at protecting public health | PC-6.1. Searching for medical information based on evidence-based medicine, interpreting data from scientific publications and/or preparing a presentation to make medical information, the results of scientific research public. | | |

3. THE COURSE IN THE HIGHER EDUCATION PROGRAMME STRUCTURE

Discipline "**Pediatric maxillofacial surgery**" refers to the mandatory part of the block B1.O.60 of the EP HE.

As part of the higher education programme, students also master other disciplines and / or practices that contribute to the achievement of the planned results of mastering the discipline "**Pediatric Maxillofacial Surgery**".

Table 3.1. List of Higher Education Program disciplines that contribute to expected learning outcomes

| | | Previous | Subsequent |
|------|-----------------------|----------------------|----------------------|
| Code | Name of competence | disciplines/modules, | disciplines/modules, |
| | | practices* | practices* |
| | Able to carry out a | Dental Assistant | |
| UC-1 | critical analysis of | (therapist); | |
| | problem situations | Dental Assistant | |
| | based on a systematic | (orthopedist); | |

| | approach, develop an | Human Anatomy - Head and | |
|-------|--|------------------------------|--|
| | action strategy | Neck Anatomy; | |
| | detion strategy | Pediatric dentistry; | |
| | | Dental prosthetics (simple | |
| | | prosthetics); | |
| | | Immunology, clinical | |
| | | | |
| | | immunology; | |
| | | Mathematics; | |
| | | Medical genetics in | |
| | | dentistry; | |
| | | Orthodontics and Pediatric | |
| | | prosthetics; | |
| | | Otorhinolaryngology; | |
| | | Dental prosthetics | |
| | | (complex prosthetics); | |
| | | Prosthetics with complete | |
| | | lack of teeth; | |
| | | Psychology, pedagogy; | |
| | | Physics; | |
| | | Philosophy; | |
| | | Obstetrics; | |
| | | Pathophysiology - | |
| | | Pathophysiology of the head | |
| | | and neck; | |
| | | Chemistry of biogenic | |
| | | elements**; | |
| | | Medical rehabilitation; | |
| | | Dental | |
| | | teeth modeling**; | |
| | | History of Medicine; | |
| | | Bioelements in medicine**; | |
| | | Medical elementology**; | |
| | | Dental Assistant | |
| | | (orthopedist); | |
| | | Head and neck diseases; | |
| | | Dental prosthetics (simple | |
| | | prosthetics); | |
| | | Cariesology and diseases | |
| | | hard tissues of teeth; | |
| | Able to conduct a | Medical genetics in | |
| | | dentistry; | |
| CDC 5 | patient examination in | Local anesthesia and | |
| GPC-5 | order to establish a | anesthesiology in dentistry; | |
| | diagnosis in solving professional problems | General surgery; | |
| | | Orthodontics and Pediatric | |
| | | prosthetics; | |
| | | Dental prosthetics | |
| | | (complex prosthetics); | |
| | | Prosthetics with complete | |
| | | lack of teeth; | |
| | | Surgical diseases; | |
| | | Oral surgery; | |
| | | Oral surgery, | |

| Maxillofacial and gnathic surgery; Internal illnesses; Gerontostomatology and diseases of the mucous membrane oral cavity; Neurology; Periodontology; Psychiatry and Narcology; Endodontics; Dermatovenerology; Pediatric dentistry; Dental propaedeutics diseases; Ophthalmology; Emergency conditions in outpatient dental practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics; Pediatrics; Pediatrics; |
|---|
| Internal illnesses; Gerontostomatology and diseases of the mucous membrane oral cavity; Neurology; Periodontology; Periodontology; Periodontology; Periodontology; Periodontology; Periodontology; Periodontics; Dermatovenerology; Pediatric dentistry; Dental propaedeutics diseases; Ophthalmology; Emergency conditions in outpatient dental practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics; |
| Gerontostomatology and diseases of the mucous membrane oral cavity; Neurology; Periodontology; Psychiatry and Narcology; Endodontics; Dermatovenerology; Pediatric dentistry; Dental propaedeutics diseases; Ophthalmology; Emergency conditions in outpatient dental practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics; |
| diseases of the mucous membrane oral cavity; Neurology; Periodontology; Psychiatry and Narcology; Endodontics; Dermatovenerology; Pediatric dentistry; Dental propaedeutics diseases; Ophthalmology; Emergency conditions in outpatient dental practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics; |
| membrane oral cavity; Neurology; Periodontology; Psychiatry and Narcology; Endodontics; Dermatovenerology; Pediatric dentistry; Dental propaedeutics diseases; Ophthalmology; Emergency conditions in outpatient dental practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics; Dermatovenerology; |
| oral cavity;Neurology;Periodontology;Psychiatry and Narcology;Endodontics;Dermatovenerology;Pediatric dentistry;Dental propaedeuticsdiseases;Ophthalmology;Emergency conditions inoutpatient dentalpractice;Pathanatomy of the head andneck;Obstetrics;Pediatrics;Pediatrics; |
| Neurology; Periodontology; Psychiatry and Narcology; Endodontics; Dermatovenerology; Pediatric dentistry; Dental propaedeutics diseases; Ophthalmology; Emergency conditions in outpatient dental practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics; |
| Periodontology; Psychiatry and Narcology; Endodontics; Dermatovenerology; Pediatric dentistry; Dental propaedeutics diseases; Ophthalmology; Emergency conditions in outpatient dental practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics; |
| Psychiatry and Narcology; Endodontics; Dermatovenerology; Pediatric dentistry; Dental propaedeutics diseases; Ophthalmology; Emergency conditions in outpatient dental practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics; Dermatovenerology; |
| Endodontics;Dermatovenerology;Pediatric dentistry;Dental propaedeuticsdiseases;Ophthalmology;Emergency conditions in outpatient dental practice;Pathological anatomy - Pathanatomy of the head and neck;Obstetrics; Pediatrics;Pediatrics; |
| Endodontics;Dermatovenerology;Pediatric dentistry;Dental propaedeuticsdiseases;Ophthalmology;Emergency conditions in outpatient dental practice;Pathological anatomy - Pathanatomy of the head and neck;Obstetrics; Pediatrics;Pediatrics; |
| Pediatric dentistry; Dental propaedeutics diseases; Ophthalmology; Emergency conditions in outpatient dental practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics; Dermatovenerology; |
| Pediatric dentistry; Dental propaedeutics diseases; Ophthalmology; Emergency conditions in outpatient dental practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics; Dermatovenerology; |
| Dental propaedeutics diseases; Ophthalmology; Emergency conditions in outpatient dental practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics;Dental propaedeutics diseases; Dermatovenerology; |
| diseases; Ophthalmology; Emergency conditions in outpatient dental practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics; |
| Ophthalmology; Emergency conditions in outpatient dental practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics;Obstetrics; Pediatrics;Dermatovenerology; |
| Emergency conditions in outpatient dental practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics; |
| outpatient dental practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics; Dermatovenerology; |
| practice; Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics; Dermatovenerology; |
| Pathological anatomy - Pathanatomy of the head and neck; Obstetrics; Pediatrics; Dermatovenerology; |
| Pathanatomy of the head and neck; Obstetrics; Pediatrics; Dermatovenerology; |
| neck; Obstetrics; Pediatrics; Dermatovenerology; |
| Obstetrics; Pediatrics; Dermatovenerology; |
| Pediatrics; Dermatovenerology; |
| Dermatovenerology; |
| |
| |
| |
| Head and neck diseases; |
| Dental prosthetics (simple |
| prosthetics); |
| Immunology, clinical |
| immunology; |
| Cariesology and diseases |
| hard tissues of teeth; |
| Clinical dentistry; |
| Able to preservibe |
| Able to prescribe, dentistry; |
| monitor the General surgery; |
| GPC-6 effectiveness and safety Orthodontics and Pediatric |
| of non-drug and drug prosthetics; |
| treatment in solving Dental prosthetics |
| professional problems (complex prosthetics); |
| Prosthetics with complete |
| lack of teeth; |
| Surgical diseases; |
| Oral surgery; |
| Maxillofacial and gnathic |
| surgery; |
| Fundamentals of military |
| training. |
| Life safety; |
| Internal illnesses; |
| Gerontostomatology and |

| | | diseases of the mucous | |
|------|-------------------------|--------------------------------|--|
| | | membrane | |
| | | oral cavity; | |
| | | Neurology; | |
| | | Periodontology; | |
| | | Pediatrics; | |
| | | Psychiatry and Narcology; | |
| | | Endodontics; | |
| | | Medical rehabilitation; | |
| | | Pharmacology; | |
| | | Materials Science; | |
| | | Obstetrics; | |
| | | Emergency conditions in | |
| | | outpatient dental | |
| | | 1 | |
| | | practice; | |
| | | Dental Assistant | |
| | | (therapist); | |
| | | Dental Assistant | |
| | | (surgeon); | |
| | | Dental assistant (Assistant to | |
| | | the pediatric dentist); | |
| | | Dental Assistant | |
| | | (orthopedist); | |
| | | Dental Assistant | |
| | | (hygienist); | |
| | | Orthodontics and Pediatric | |
| | | prosthetics; | |
| | | Pathological anatomy - | |
| | | Pathanatomy of the head and | |
| | | neck; | |
| | | Dental prosthetics | |
| | | (complex prosthetics); | |
| | Capable of examining | | |
| PC-1 | the patient in order to | Prosthetics with complete | |
| 10-1 | <u>^</u> | lack of teeth; | |
| | establish a diagnosis | Fundamentals of military | |
| | | training. | |
| | | Life safety; | |
| | | Radiation diagnostics; | |
| | | Medical rehabilitation; | |
| | | Cone beam computer | |
| | | tomography in diagnostics, | |
| | | planning and evaluation | |
| | | effectiveness | |
| | | dental solution; | |
| | | Pediatric dentistry; | |
| | | Immunology, clinical | |
| | | immunology; | |
| | | Head and neck diseases; | |
| | | Dental prosthetics (simple | |
| | | prosthetics); | |
| | | Cariesology and diseases | |
| | | hard tissues of teeth; | |
| | | חמות נוסטובי טו נכנוו, | |

| | | Madical constinuin | |
|------|-------------------------|------------------------------|--|
| | | Medical genetics in | |
| | | dentistry; | |
| | | Local anesthesia and | |
| | | anesthesiology in dentistry; | |
| | | Otorhinolaryngology; | |
| | | Dental propaedeutics | |
| | | diseases; | |
| | | Oral surgery; | |
| | | Maxillofacial and gnathic | |
| | | surgery; | |
| | | Obstetrics; | |
| | | Gerontostomatology and | |
| | | diseases of the mucous | |
| | | membrane | |
| | | oral cavity; | |
| | | Periodontology; | |
| | | Endodontics; | |
| | | Three-dimensional x-ray | |
| | | diagnostic methods in | |
| | | dentistry**; | |
| | | Three-dimensional computer | |
| | | teeth modeling**; | |
| | | Chemistry of biogenic | |
| | | elements**; | |
| | | Ophthalmology; | |
| | | Dental | |
| | | teeth modeling**; | |
| | | Pathophysiology - | |
| | | Pathophysiology of the head | |
| | | and neck; | |
| | | Pediatric dentistry; | |
| | | Head and neck diseases; | |
| | | Cariesology and diseases | |
| | | hard tissues of teeth; | |
| | | Local anesthesia and | |
| | | anesthesiology in dentistry; | |
| | | Orthodontics and Pediatric | |
| | | prosthetics; | |
| | | Oral surgery; | |
| | Capable of prescribing, | Maxillofacial and gnathic | |
| | monitoring the efficacy | surgery; | |
| PC-2 | and safety of non-drug | Gerontostomatology and | |
| | and drug treatments | diseases of the mucous | |
| | 0 | membrane | |
| | | oral cavity; | |
| | | Periodontology; | |
| | | Endodontics; | |
| | | Innovative technologies in | |
| | | dentistry; | |
| | | Dental physiotherapy | |
| | | diseases; | |
| | | Clinical dentistry; | |
| | | Chinical uchilisury, | |

| | diseases; | |
|---------------------------|--|--|
| | Dental prosthetics (simple | |
| | prosthetics); | |
| | Medical genetics in | |
| | dentistry; | |
| | Dental prosthetics | |
| | (complex prosthetics); | |
| | Prosthetics with complete | |
| | lack of teeth; | |
| | Infectious diseases | |
| | phthisiology; | |
| | Organization of general care | |
| | sick; | |
| | Dental Assistant | |
| | (surgeon); | |
| | Dental Assistant | |
| | (therapist); | |
| | Dental Assistant | |
| | (Pediatric); | |
| | Dental prosthetics (simple | |
| | prosthetics); | |
| - | Immunology, clinical | |
| · · · | immunology; | |
| | Medical genetics in | |
| based on evidence- | dentistry; | |
| based medicine, to | Dental prosthetics | |
| participate in scientific | (complex prosthetics); | |
| research, to introduce | Prosthetics with complete | |
| new methods and | lack of teeth; | |
| techniques aimed at | Pharmacology; | |
| _ | Ophthalmology; | |
| | Clinical researches; | |
| | Clinical dentistry; | |
| | participate in scientific research, to introduce | Able to analyze and publicly presentDental prosthetics (simple prosthetics); Medical genetics in dentistry; Dental prosthetics); Prosthetics with complete lack of teeth; Infectious diseases phthisiology; Organization of general care sick; Dental Assistant (therapist); Dental Assistant (therapist); Dental prosthetics (simple prosthetics); Prosthetics (simple prosthetics); Prosthetics (simple prosthetics); Dental Assistant (therapist); Dental Assistant (Pediatric);Able to analyze and publicly present immunology; medical information based on evidence- dentistry; based medicine, to participate in scientific research, to introduce new methods and techniques aimed at prostetics with complete lack of teeth; Prosthetics with complete lack of teeth; Prosthetics; (Cimical researches; Clinical dentistry; |

* - filled in accordance with the matrix of competencies of higher education programme.

** - elective subjects/practices

4. THE DISCIPLINE WORKLOAD AND ACADEMIC ACTIVITIES

The total complexity of the discipline "**Pediatric maxillofacial surgery** " is **3** credit units.

Table 4.1. Types of academic activities during the period of the HE program mastering

| | TOTAL, | S | emester(s) |
|------------------------------------|------------------------------|----|------------|
| Type of academic activities | academic hours (ac.h.) | 10 | |
| Classroom learning , <i>ac.h</i> . | 68 | 68 | |
| including: | | | |

| Type of academic activities | | TOTAL, | 5 | Semester(s) |
|---|----------|-------------------|-----|-------------|
| | | academic hours | 10 | |
| | | (ac.h.) | | |
| Lectures (Lec) | | - | - | |
| Lab work (Lab) | | 68 | 68 | |
| Practical/seminar sessions | | - | - | |
| Self-studies, academic hours | | 31 | 31 | |
| Evaluation and assessment (exam or pass/fail grading) | | 9 | 9 | |
| ac.h. | | 108 | 108 | |
| Total workload of the discipline | credits. | 3 | 3 | |

5. THE COURSE MODULES AND CONTENTS

| T_{1} , T_{1} , T_{1} , T_{1} , T_{2} , T | f de a dia simble a mar d | types of academic activities |
|---|---------------------------|--|
| Γαρίες Γιρες απτερίτα | ד דחף מוגריוחווחף מחמ | $tvn\rho s \ ot \ academic \ activities$ |
| | inc absorptine and | i ypes of academic activities |

| Name of the discipline section | Contents of the section (topic) | Type of academic activities |
|--|--|-----------------------------------|
| Section 1Anesthesiainpediatricsurgicaldentalpractice.Toothextractionchildren | Topic 1.1. Anatomical and physiological features of the child's body. Indications and contraindications for general and local anesthesia during outpatient dental surgery in children. The value of premedication. Types of local anesthesia, features of its implementation in children. Emergency conditions at an outpatient dental appointment. | Lab |
| | Topic 1.2. Indications and features of the extraction of temporary and permanent teeth in children. Complications during and after tooth extraction, their prevention and elimination. | Lab |
| | Topic 1.3. Tactics of a dentist in the presence of supernumerary, impacted and dystopic teeth in children. | Lab |
| Section 2 Inflammatory diseases of the maxillofacial region | Topic 2.1. Features of the course of odontogenic inflammatory processes in childhood. Inflammatory processes of the soft tissues of the face: lymphadenitis, abscess, phlegmon. | Lab |
| in children. | Topic 2.2. Clinical picture of acute and chronic periostitis of the jaw bones in children of different ages. | Lab |
| | Topic 2.3. Acute odontogenic osteomyelitis of the jaws, hematogenous osteomyelitis of newborns and young children. | Lab |
| | Topic 2.4. Clinical and radiological forms of chronic osteomyelitis of the jaws, principles of rehabilitation of children. | Lab |
| | Topic 2.5. Odontogenic inflammatory cysts in children. Possible complications, their prevention. | Lab |
| Section 3 | Topic 3.1. Inflammatory diseases of the salivary glands in children. Clinic, diagnosis and treatment. | Lab |

| Diseases of the salivary glands in children. | Salivary disease. Etiology, pathogenesis, clinical picture, | |
|---|---|-----|
| children. | diagnosis, treatment, possible complications. Topic 3.3. Retention cysts of small and large salivary glands. Etiology, pathogenesis, clinical picture, diagnosis, treatment, possible complications. | Lab |
| Section 4 Trauma of the maxillofacial region | Topic 4.1. Dental injuries in children: clinic, treatment, methods of immobilization, outcomes. | Lab |
| in children. | Topic 4.2. Bruises and fractures of the bones of the face in children. Clinic, diagnostics. Methods of conservative and surgical treatment of fractures in children, healing time, possible complications and methods for their prevention. | Lab |
| | Topic 4.3. Injuries of soft tissues of the mouth and face in children. Features of primary surgical treatment of facial wounds. | Lab |
| | Topic 4.4. Burns and frostbite. Clinical picture, treatment, complications. General indications for plastic surgery in childhood. Principles of rehabilitation of children who have suffered trauma to the maxillofacial region. | Lab |
| Section 5 Diseases of the temporomandibular joint in children. | Topic 5.1. Primary bone diseases of the temporomandibular joint. Osteoarthritis, secondary deforming osteoarthrosis, bone ankylosis, neoarthrosis : etiology, pathogenesis, clinical picture. Diagnosis, principles of complex treatment of diseases of the temporomandibular joint in children. Methods of surgical treatment, age indications. Goals and objectives of orthodontic treatment. Methods for preventing the development of primary bone diseases. | Lab |
| | Topic 5.2. Functional diseases of the temporomandibular joint in childhood and adolescence. Etiology, pathogenesis, clinical manifestations. Additional examination methods (electromyography, axiography, tomography of the TMJ). Diagnosis, treatment, prevention. | Lab |
| Section 6Congenitalhereditarydiseases | Topic 6.1. Congenital cysts and fistulas of the maxillofacial region and neck. Dermoid and epidermoid cysts. | Lab |
| of the maxillofacial region in children. | Topic 6.2. Congenital cleft lip and palate. Prevalence, classification, anatomical and functional disorders, impact on the overall development of the child's body. Secondary deformations of the jaws with cleft palate. Age indications for surgical treatment, the purpose of operations. Clinical examination of children with congenital cleft lip and palate. | Lab |
| | Торіс 6.3. | Lab |

| | Congenital pathology of the oral mucosa: anomalies of attachment of the frenulum and tongue, small vestibule of the oral cavity. Clinical picture, indications for surgical treatment, methods of operations, features of the postoperative period. | | |
|--|---|-----|--|
| Section 7 | Topic 7.1. | Lab | |
| Tumors and tumor- like processes of the maxillofacial region in children. | Benign and malignant tumors of the soft tissues of the face and oral cavity in children. Classification, clinical picture, diagnosis, differential diagnosis. Tumors and tumor-like processes of the salivary glands in children. | | |
| | Benign and malignant tumors of the bones of the face in children. Odontogenic formations - cysts, odontogenic tumors of the jaws. Etiology, clinical picture, diagnosis. | | |
| | Topic 7.2. Features of the clinical course of tumors and tumor-like formations in children. Tactics of surgical treatment of neoplasms of the maxillofacial region in children, indications and contraindications for the use of radiation therapy, principles of complex rehabilitation of children. The principle of oncological alertness at an outpatient dental appointment. | Lab | |

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENT

| Classroom for Academic Activity Type | Classroom Equipment | Specialized educational/laboratory equipment, software and materials for the mastering of the discipline |
|---|--|--|
| Lecture | An auditorium for lecture-type classes, equipped with a set of specialized furniture; board (screen) and technical means of multimedia presentations. (classrooms 245, 249) | Technical means: multimedia projector, laptop, WiFi available Internet access. Software: Microsoft products (OS, office suite, including MS Office / Office 365, Teams) |
| Laboratory | An auditorium for laboratory work, individual consultations, current control and intermediate certification, equipped with a set of specialized furniture and equipment. | Visual aids, dental equipment and surgical instruments for extractions, phantoms, drugs, extracted teeth, x-rays, computer presentation, computers, projector, tables, dental equipment and surgical instruments for emergency care |
| Classroom for students' self- studies | Classroom for self-studies of students (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to the internet. | |

 Table 6.1. Logistical and material provision of the discipline.

7. RECOMMENDED SOURSES for COURSE STUDIES

Main literature:

- Pediatric oral and maxillofacial surgery: Publisher: Saunders; 1st edition (April 9, 2004) Language: English. Hardcover: 488 pages. ISBN 978-0-7216-9691-1
- Kutcipal, E. (2013). Pediatric oral and maxillofacial surgery. *Dental Clinics*, 57(1), 83-98.
- Koch G. et al. (ed.). Pediatric dentistry: a clinical approach. John Wiley & Sons, 2017.

Additional literature:

- Gonçalves, J., Marques, H., Saleiro, R., Ferreira, Â., Ferreira, A., Ferreira, Â. T., & Ferreira Sr, A. (2023). Ewing's sarcoma of the zygoma: a very rare location. *Cureus*, 15(3).
- Railean, S., Gudumac, E., Bernic, J., Poștaru, C., & Ursu, D. (2023). Pediatric Tumors And Congenital Anomalies In Oral & Maxillo-Facial Surgery.
- Bouchard, C., Troulis, M. J., & Kaban, L. B. (2022). Pediatric Dentoalveolar Surgery. In *Peterson's Principles of Oral and Maxillofacial Surgery* (pp. 191-210). Cham: Springer International Publishing.
- Kaban, L. B., Bouchard, C., & Troulis, M. J. (2009). A protocol for management of temporomandibular joint ankylosis in children. *Journal of Oral and Maxillofacial Surgery*, 67(9), 1966-1978.
- Troulis, M. J., Troulis, M., & Kaban, L. B. (2013). *Minimally invasive maxillofacial surgery*. PMPH-USA.

Resources of the information and telecommunications network "Internet":

1. RUDN ELS and third-party ELS, to which university students have access on the basis of concluded agreements:

- RUDN Electronic Library System RUDN EBS <u>http://lib.rudn.ru/</u>
- ELS "University Library Online" http://www.biblioclub.ru
- EBS Yurayt http://www.biblio-online.ru
- ELS "Student Consultant" <u>www.studentlibrary.ru</u>
- EBS "Lan" <u>http://e.lanbook.com/</u>
- EBS "Trinity Bridge"

2. Databases and search engines:

- electronic fund of legal and normative-technical documentation <u>http://docs.cntd.ru/</u>

- Yandex search engine https://www.yandex.ru/

- Google search engine <u>https://www.google.ru/</u>

- Abstract database SCOPUS

http://www.elsescience.en/products/scopus/

Learning toolkits for self-studies during the development of the discipline*:

1. A course of lectures, presentations, video materials on the discipline "**Pediatric** maxillofacial surgery".

2. Guidelines for the implementation and execution of control and independent work on the discipline "**Pediatric maxillofacial surgery**"

* - all educational and methodological materials for independent work of students are placed in accordance with the current procedure on the page of the discipline <u>in TUIS</u> (the university telecommunication educational and information system).

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 "**Pediatric Oral and Maxillofacial 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

DEVELOPERS:

Position, educational department

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|--|---------------|-------------------|--|
| Position, educational department | Signature | name and surname. | |
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