

**Syllabus**  
**medical practice**  
**from pediatric therapeutic dentistry**  
**individual profile course of practical training**  
**(pediatric therapeutic dentistry)**  
**B.Б 2.10**

<b>I. General information</b>	
<b>Name of the faculty</b>	Dental
<b>Educational program</b> (industry, specialty, level of higher education, form of education)	22 Health care, 221 Dentistry, second (master's) level of higher education, full-time
<b>Academic year</b>	2023/2024
<b>Name of the discipline, code</b> (e-mail address on the website of LNMU named after Danylo Halytskyi )	Medical practice from children's dentistry individual profile course of practical training (pediatric therapeutic dentistry) (Kaf_peddentistry@meduniv.lviv.ua)
<b>Department</b> (name, address, telephone, e-mail)	Pediatric therapeutic dentistry Lviv, Pekarska st 69 B phone +38(032)276-32-41 Kaf_peddentistry@meduniv.lviv.ua
<b>Head of the department</b> (contact e-mail)	Oleksandr Volodymyrovych Kolesnichenko, Ph.D, Associate Professor (Kaf_peddentistry@meduniv.lviv.ua)
<b>Year of study</b> (the year in which the study of the discipline is implemented)	Fifth
<b>Semester</b> (the semester in which the discipline is implemented)	IX
<b>Type of discipline/module</b> (compulsory/optional)	Selective
<b>Teachers</b> (names, surnames, scientific degrees and titles of teachers who teach the discipline, contact e-mail)	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor
<b>Erasmus Yes/no</b> (discipline availability for students within the Erasmus program)	Yes
<b>Person responsible for the syllabus</b> (person to whom comments regarding the syllabus should be provided, contact e-mail)	Krupnyk A.-S. A. PhD., Assoc. Professor
<b>Number of ECTS credits</b>	5
<b>Number of hours</b> (lectures/practical classes/independent work of students)	150 practical classes – 75 individual work of students – 75
<b>Language of education</b>	English
<b>Information about consultations</b>	Consultations are held according to the schedule
<b>Address, phone number of the clinical base</b>	Lviv, Pekarska St. 69 phone: +38(032)276-32-41
<b>2. A short abstract of the discipline</b>	
<p><b>Pediatric therapeutic dentistry</b> is a complex and multi-component specialty, where a specialist acting as a dentist must also think like a pediatrician. The preparation and activity of such a specialist requires a lot of effort, skill, time and energy. Every specialist who works with children should know the features of the antenatal and postnatal periods of development and formation of hard tissues of teeth, jaw bones, soft tissues of the face, as well as how the state of health of the future mother and the child itself, various negative factors that can lead to the occurrence and development of dental diseases affect these processes. He should also know the features of clinical manifestations and patterns of the course of pathological processes in the maxillofacial region in children, as well as methods of treatment and prevention of dental diseases in different age periods.</p>	
<b>3. Purpose and goals of disciplines</b>	
<p><b>The goal</b> is to master the skills of: diagnosis and treatment of caries and its complications, periodontal tissues in children of different ages; clinical manifestations, methods of diagnosis and differential diagnosis, methods of treatment, selection and application of modern dental materials and medicines and consists in consolidation of practical skills within the limits of the goals defined by the educational and professional training program for specialists in the specialty "Dentistry". On the basis of the final goals for the differential assessment, specific goals are formulated in the form of certain skills (actions), target tasks, which ensure the achievement of the final goal of passing industrial medical practice.</p> <p><b>The task</b> is practice in the discipline " Pediatric therapeutic dentistry" in the 5th year aimed at the formation of integral, general and professional (special) competences and the achievement of the second (master's) level of the field of knowledge 22 - "Health care" specialty defined in the Standard of Higher Education of Ukraine 221 - "Dentistry" of the following learning outcomes.</p> <p><b>Competences and learning outcomes</b>, the formation of which contributes to the discipline:</p> <p><b>General:</b></p> <p>1. Ability to abstract thinking, analysis and synthesis.</p>	

2. Knowledge and understanding of the subject area and understanding of professional activity.
3. Ability to apply knowledge in practical activities.
4. Ability to communicate in the national language both orally and in writing.
5. Ability to communicate in English.
6. Skills in using information and communication technologies.
7. Ability to search, process and analyze information from various sources.
8. Ability to adapt and act in a new situation.
9. Ability to identify, pose and solve problems.
10. Ability to work in a team.
11. Efforts to preserve the environment.
12. The ability to act socially responsibly and consciously.
13. The ability to realize one's rights and responsibilities as a member of society, to realize the values of civil society and the need for its sustainable development, the rule of law.

Special (professional, subject):

1. The ability to collect medical information about the patient and analyze clinical data.
2. Ability to interpret the results of laboratory and instrumental research.
3. Ability to diagnose: determine preliminary, clinical, final, accompanying diagnosis, emergency conditions.
4. Ability to design the process of providing medical care: to determine the approaches, plan, types and principles of treatment of diseases of the organs and tissues of the oral cavity and maxillo-facial area.
5. The ability to determine the management tactics of patients with diseases of the organs and tissues of the oral cavity and maxillofacial region with accompanying somatic diseases.
6. Ability to perform medical and dental manipulations.
7. The ability to treat the main diseases of the organs and tissues of the oral cavity and maxillofacial area.
8. Ability to organize and conduct a screening examination in dentistry.
9. The ability to assess the impact of the environment on the state of health of the population (individual, family, population).
10. Ability to maintain normative medical documentation.
11. Processing of state, social and medical information.
12. Ability to organize and carry out rehabilitation measures and care for patients with diseases of the oral cavity and maxillofacial region.
13. Ability to legally support one's own professional activity.
14. The ability to provide pre-medical care according to the protocols of tactical medicine.

**3. Prerequisites of the discipline**

**Pediatric dentistry** as a discipline:

- a) is based on students' previous study of human anatomy; histology, embryology and cytology, medical biology, medical chemistry, biological and bioorganic chemistry, medical physics, microbiology, virology and immunology, pediatric diseases and integrates with these disciplines;
- b) lays the foundations for students to study such clinical disciplines as prevention of dental diseases, pediatric surgical dentistry, therapeutic dentistry, orthodontics;
- c) is based on the study by students of propaedeutics of the dental profile: propaedeutics of children's therapeutic dentistry, propaedeutics of therapeutic dentistry, propaedeutics of orthopedic dentistry and is integrated with these disciplines;
- d) integrates with the following clinical disciplines: prevention of dental diseases, pediatric surgical dentistry, orthodontics and therapeutic dentistry;
- e) forms an idea of professional responsibility for the quality of caries treatment and its complications, diseases of periodontal tissues and oral mucosa in children of various ages and the need for widespread introduction of primary prevention of dental diseases.

**2. Program learning outcomes**

**List of learning outcomes**

<b>Learning outcome code</b>	<b>Learning outcome code</b>	<b>Learning outcome code</b>
<i>The code is created when filling out the syllabus (category: K- knowledge; Sk- skill; C-competence; AR-autonomy and responsibility)</i>	<i>Learning outcomes define what a student should know, understand and be able to do after completing a discipline. The learning outcomes follow from the set learning goals. To enroll in a discipline, it is necessary to confirm the achievement of each learning outcome</i>	<i>Program learning outcome code symbols in the Higher Education Standard</i>

<p>The code is generated by filling in the syllabus (category: knowledge; ability competence; autonomy and responsibility)</p>		
<p>K-2 Sk-1 C -1, C-2</p>	<p><i>To isolate and identify the leading clinical symptoms and syndromes:</i> (adentia, bite anomaly, facial asymmetry, tooth pain, hyperesthesia, defects of the crown part of the tooth, tooth discoloration, facial disproportion, change in the shape of the teeth, fistula, pathological wear of the teeth, change in the interalveolar height, dental deposits, impaired sucking, swallowing, pathological tooth mobility, gum recession, gum, periodontal, bone pocket); according to standard methods, using the previous data of the patient's history, the data of the patient's examination, knowledge about the person, his organs and systems, establish a probable nosological or syndromic preliminary clinical diagnosis of a dental disease (hyperesthesia, hypoplasia, enamel hyperplasia, fluorosis, erosion of hard tooth tissues, wedge-shaped defect, attrition of teeth, necrosis of hard tissues of the tooth, discoloration, traumatic injuries of teeth, caries, pulpitis, periodontitis, papillitis, gingivitis, localized, generalized) periodontitis, idiopathic periodontal diseases, alveolitis, periostitis, injuries of teeth.</p>	<p>P-1</p>
<p>K - 1 Sk - 1 AR - 1</p>	<p><i>Collect information</i> about the general condition of the patient, evaluate the psychomotor and physical development of the patient, the condition of the organs of the maxillofacial area, based on the results of laboratory and instrumental studies, evaluate information about the diagnosis (analysis of glucose content in the blood, general blood analysis, interpretation of X-ray diagnostics of the skull, dental jaw apparatus, cytological examination of the organs and tissues of the jaw apparatus, microbiological examination of oral fluid, smears from the periodontium, functional diagnosis of the state of the oral cavity (luminescent, rheoperiodontography, stomatoscopy, capillaroscopy, vacuum test, etc. <i>Prescribe and analyze</i> additional (mandatory and optional) methods of examination (analysis of glucose content in blood, general blood test, interpretation of X-ray diagnostics of the skull and maxillofacial apparatus, cytological examination of organs and tissues of the maxillofacial apparatus, microbiological examination of oral fluid, swabs from periodontium, functional diagnostics of the state of the oral cavity (luminescence, rheoperiodontography, stomatoscopy, capillaroscopy, vacuum test, etc.) patients with diseases of the organs and tissues of the oral cavity and maxillofacial region for differential diagnosis of diseases (hyperesthesia, hypoplasia, enamel hyperplasia, fluorosis, erosion of hard tooth tissues, wedge-shaped defect, tooth abrasion, necrosis of tooth hard tissues, discoloration, traumatic injuries of teeth, caries, pulpitis, periodontitis, papillitis, gingivitis, localized, generalized), periodontitis (localized, generalized) periodontitis, idiopathic periodontal diseases, alveolitis, periostitis, dental injuries).</p>	<p>P – 2,  P-3</p>
<p>K – 1 Sk – 1 AR - 1</p>	<p><i>To determine the final clinical diagnosis</i> in compliance with the relevant ethical and legal norms, by making a reasoned decision and logical analysis of the received subjective and objective data of clinical and additional examination, carrying out differential diagnosis under the control of the head physician in the conditions of a medical institution (non-carious lesions of teeth, caries permanent teeth, diseases of the pulp of permanent teeth, periodontitis of permanent teeth, papillitis, gingivitis, periodontitis, traumatic lesions, allergic lesions, alveolitis, pericoronaritis, periostitis, defects of the crown</p>	<p>P – 4  P - 5</p>

	of teeth, partial and complete absence of teeth). <i>Diagnose emergency conditions under any circumstances</i> (at home on the street, in a medical institution, in emergency situations, martial law, lack of information and limited time): asphyxia (including newborns); hypertensive crisis; acute respiratory failure; acute heart failure; acute poisoning; "sharp" stomach; electric shock; faint; external bleeding; collapse; coma; swelling of the larynx; Quincke's edema; burns and frostbite; convulsions; drowning; physiological childbirth; shock.	
K-2 Sk-1 C-1 AR-1	Carry out and implement dental disease prevention measures among the children's population to prevent the spread of dental diseases.	P-6
	Determine the approach, plan, type and principle of treatment of dental disease (hyperesthesia, hypoplasia, hyperplasia of enamel, fluorosis, erosion of hard tooth tissues, wedge-shaped defect, tooth abrasion, necrosis of hard tooth tissues, discoloration, traumatic injuries of teeth, caries, pulpitis, periodontitis, papillitis, gingivitis, localized, generalized) periodontitis (localized, generalized) periodontitis, idiopathic periodontal diseases, alveolitis, periostitis, dental injuries) by making a reasoned decision according to existing algorithms and standard schemes.	P-7
K-1 Sk-1 AR-1	<i>Determine the approach, plan, type and principle of treatment for:</i> treatment of dental disease by making an informed decision according to existing algorithms and standard schemes.	P-8
K-1 Sk-1 AR-1	Determine the tactics of managing a dental patient with somatic pathology (pregnancy, anemia, hemophilia, arterial hypertension, infectious endocarditis, heart defects, heart failure, cardiac arrhythmia, the presence of a pacemaker, acute psychosis, including alcoholic delirium, epilepsy, bronchial asthma, diabetes diabetes, HIV infection / AIDS, viral hepatitis, diphtheria, tetanus) by making a reasoned decision according to existing algorithms and standard schemes of clinical diagnosis by making a reasoned decision according to existing algorithms and standard schemes.	P-9
Sk-1 AR-1, AR-2	Determine the tactics of managing a dental patient with somatic pathology (pregnancy, anemia, hemophilia, arterial hypertension, infectious endocarditis, heart disease, heart failure, cardiac arrhythmia, the presence of a pacemaker, acute psychosis, including alcoholic delirium, epilepsy, bronchial asthma, diabetes diabetes, HIV infection / AIDS, viral hepatitis, diphtheria, tetanus) by making a reasoned decision according to existing algorithms and standard schemes of clinical diagnosis by making a reasoned decision according to existing algorithms and standard schemes.	P-10
K-1 Sk-1 C-1 AR-1, AR-2	To carry out the treatment of the main dental diseases according to the existing algorithms and standard schemes under the control of the head physician in the conditions of a medical institution (non-carious lesions of teeth, caries of permanent teeth, diseases of the pulp of permanent teeth, periodontitis of permanent teeth, papillitis, gingivitis, periodontitis, periodontitis, traumatic lesions, allergic lesions, alveolitis, pericoronaritis, periostitis, defects of the crown part of the teeth, tooth decay and complete absence of teeth).	P-11

K- 1 K- 2 Sk - 1 AR - 1, AR - 2	To organize medical and evacuation measures among the population, military personnel, in emergency situations, including martial law, during the deployed stages of medical evacuation, taking into account the existing system of medical and evacuation support	P - 12
K- 1 Sk - 1 AR - 1	Determine the tactics of providing emergency medical aid, using the recommended algorithms, under any circumstances based on the diagnosis of an emergency in limited time (asphyxia, hypertensive crisis, acute respiratory failure, acute heart failure, fainting, collapse, coma, laryngeal edema, Quincke's edema , convulsions, shock)	P - 13
K- 1 Sk - 1 AR - 1	Analyze and evaluate government, social and medical information using standard approaches and computer information technologies.	P- 14
K- 1 Sk - 1 AR - 1	Assess the impact of the environment on the state of health of the population in the conditions of a medical institution according to standard methods.	P- 15
K - 1 Sk - 1 AR - 1	To form goals and determine the structure of personal activity based on the result of the analysis of certain social and personal needs	P - 16
K - 1 Sk - 1 AR - 1	Дотримуватися здорового способу життя, користуватися прийомами саморегуляції та самоконтролю.	P - 17
K - 1 Sk- 1 AR - 1	Усвідомлювати та керуватися у своїй діяльності громадянськими правами, свободами та обов'язками, підвищувати загальноосвітній культурний рівень.	P - 18
K - 1 Sk - 1 AR - 1	Follow a healthy lifestyle, use self-regulation and self-control techniques.	P - 19
K - 1 Sk - 1 AR - 1	To organize the necessary level of individual safety (own and the persons he cares for) in case of typical dangerous situations in the individual field of activity.	P-20
K - 1 Sk - 1 AR - 1	The ability to perform medical manipulations based on a preliminary or final diagnosis for children	P - 21
K- 1 Sk- 1 AR — 1	The ability to perform medical dental manipulations based on a preliminary or final diagnosis for children	P- 22
K - 1 Sk - 1 AR - 1	Perform emergency medical care manipulations using standard schemes under any circumstances based on the diagnosis of an emergency (asphyxia, hypertensive crisis, acute respiratory failure, acute heart failure, fainting, collapse, coma, laryngeal edema, Quincke's edema, convulsions, shock ) under conditions of limited time (perform artificial respiration, perform indirect heart massage, fix the tongue, perform injections of medicinal substances (intramuscular, subcutaneous, intravenous jet and drip), measure blood pressure;, amputation of the pulp of permanent teeth, alignment of the occlusal surface, removal of dental layers, determination of acid resistance of tooth enamel, diathermocoagulation, extirpation of the pulp of permanent teeth, electroodontology, local anesthesia in the treatment of dental diseases by various methods (application, infiltration, conduction), medical treatment of affected areas of the mucous membrane of the oral cavity and	P - 23

periodontium, application and removal of temporary fillings and hermetic bandages in the treatment of caries, pulpitis, periodontitis, application of rubber dams, obturation of root canals of permanent teeth with various materials, filling of carious cavities of permanent and temporary teeth with various filling materials, covering teeth with therapeutic and preventive varnishes, gels, desensitizers, preparation and cleaning of root canals of permanent teeth, preparation of carious cavities of permanent and temporary teeth taking into account the type of filling material, ligature bonding of teeth, professional oral hygiene, direct and indirect pulp coating, periodontal abscess opening, grinding and polishing of fillings from all types of filling materials

**K1** Specialized conceptual knowledge acquired in the process of study and/or professional activity at the level of the latest achievements, which is the basis for original thinking and innovative activity, in particular in the context of research work  
**K2** Critical understanding of problems in education and/or professional activity and at the border of subject areas  
**Sk1** Solving complex tasks and problems that requires updating and integrating knowledge, often in conditions of incomplete/insufficient information and conflicting requirements  
**Sk2** Conducting research and/or innovative activities  
**C1** Clear and unambiguous presentation of one's own conclusions, as well as the knowledge and explanations that justify them, to specialists and non-specialists, in particular to persons who are studying  
**C2** Use of foreign languages in professional activities  
**AR1** Decision-making in complex and unpredictable conditions, which requires the use of new approaches and forecasting  
**AR2** Responsibility for the development of professional knowledge and practices, assessment of the team's strategic development

#### 6. The form and amount of discipline

Course format	Full-time	
<b>Type of lessons</b>	<b>Number of hours</b>	<b>Number of groups</b>
Lectures	-	-
Practical lessons	75	1
Independent work of students	75	1

#### 1. Topic and content of the discipline

Code type classes	Topic	Content of training	Learning outcome code	Teacher
P -1  Iw -1	Examination of a dental patient. Filling out medical documentation (ambulatory medical history, record of dental formula according to WHO). Determination of the bite period. Periodontal indexes.  Write down the risk factors of caries and periodontal tissue diseases in the table.	Be able to write down the dental formula depending on the patient's dental status and age. Be able to demonstrate the method of determining the prevalence and intensity of dental caries in children in terms of age. Treat the patient: - collect anamnesis; - conduct a clinical examination; -interpret additional results research methods. - make a diagnosis and make a scheme treatment of the patient. - draw up the medical card of the patient.	K-2 Sk -1 AR -1	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor
P -2  Iw -2	Determining the state of oral hygiene using hygienic indices. Stages of professional oral hygiene in children. Removal of dental layers by various methods. General treatment of dental caries in children: planning, means and methods.	To be able to determine hygienic indices according to Green-Vermillion, Silness-Loe. Assess the hygienic condition of the patient's oral cavity. Carry out a qualitative and quantitative assessment of them.		
P -3	Methods of brushing teeth and selection of hygiene products. Prevention methods. Methodology of remineralizing therapy in children using gels and varnishes. Sealing of fissures in children. Indications and contraindications.	Be able to demonstrate mastery of various methods of brushing teeth, the method of rotating the brush. Demonstrate the technique of performing them on a phantom.	K-2 Sk -1 AR -1	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor

Iw -3	Implementation method. Describe the stages of preparation and filling of carious cavities of temporary and permanent teeth.	Be able to choose oral hygiene products depending on the dental and somatic status and age of the child.		
P -4  Iw -4	Preparation and filling of carious cavities of temporary and permanent teeth. Preparation of carious cavities with different localization, choice of filling material, filling technique. The technique of tooth restoration using modern photopolymer composite materials. The technique of restoration of temporary teeth using standard metal crowns in children and modern photopolymer composite materials.  Tools and accessories (rubber dams, matrices, blades, etc.)	Be able to prepare and fill carious cavities of temporary and permanent teeth. Preparation of carious cavities with different localization, choice of filling material, filling technique.		
P -5  Iw -5	Vital amputation and extirpation of the pulp. Partial and complete pulp removal. Indications, methods of their implementation. Endodontic treatment of root canals of temporary and permanent teeth, materials for obturation of root canals at various stages of their formation.  Write groups of filling materials for permanent and temporary teeth. Filling materials for root filling in permanent and temporary teeth.	To be able to diagnose various forms of pulpitis of temporary and permanent teeth in children. Be able to perform vital amputation and extirpation of the pulp.	K -1 Sk – 1 C – 1, C-2 AR-1	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor
P -6  Iw -6	Determination of physiological and pathological root resorption of temporary and permanent teeth. Analysis of the orthopantomogram. Stages of root growth. Limits of endodontic treatment of temporary and permanent teeth. Selection of tools for endodontic treatment of root canals of temporary and permanent teeth. Write out the requirements for endodontic instruments in temporary teeth.	To be able to determine the physiological and pathological resorption of the roots of temporary and permanent teeth. Analysis of the orthopantomogram. Stages of root growth. Limits of endodontic treatment of temporary and permanent teeth. Be able to perform differential diagnosis of various forms of periodontitis of temporary and permanent teeth in children.		
P -7  Iw -7	Лікування дітей під загальним знеболенням. Схематично намалювати типи фізіологічної та патологічної резорбції коренів тимчасових зубів та стадії сформованості коренів.	знати основні етапи лікування дітей загальним знеболенням.	K -1, Sk-1 C-1, C-2 AR 1, AR -2	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor
P -8  Iw -8	General and local anesthesia in children at an outpatient surgical appointment: types and methods, indications and contraindications for the choice of methods. Conducting method. Treatment of children under general anesthesia.  Pharmacological preparations for general anesthesia in children on an outpatient basis	To be able to perform general and local anesthesia in children at an outpatient appointment	K-1, Sk-1 C-1, C-2 AR 1, AR -2	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor
P -9  Iw -9	Tooth extraction operation in children. Indications and contraindications for removal of temporary teeth, instruments. Peculiarities of tooth extraction in children with concomitant somatic diseases. Make a table of indications and contraindications for the use of anesthesia. Make a table of indications and contraindications for the use of	To be able to perform a tooth extraction operation in children. Tooth extraction operation in children. Indications, contraindications for removal of permanent teeth, instruments. Peculiarities of extraction in children with concomitant somatic diseases. General and complications during and after extraction, methods of their treatment	K-1, Sk-1 C-1, C-2 AR 1, AR-2	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor

	anesthesia.	prevention.		
P-10  Iw -10	Tooth extraction operation in children. Indications and contraindications for removal of permanent teeth, instruments. Peculiarities of tooth extraction in children with concomitant somatic diseases. General and local complications during and after tooth extraction, methods of their treatment and prevention.  Describe complications after tooth extraction (bleeding from the socket, socket pain, alveolitis), treatment and prevention.	To be able to perform a tooth extraction operation in children. Tooth extraction operation in children. Indications and contraindications for removal of permanent teeth, instruments. Peculiarities of tooth extraction in children with concomitant somatic diseases. General and local complications during and after tooth extraction, methods of their treatment and prevention.	K -1, Sk-1 C-1. C-2 AR 1, AR -2	Hrynshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor
P-11  Iw -11	Acute and chronic inflammatory diseases of the maxillofacial area in children. Anatomical and physiological features of the course of inflammatory processes of the maxillofacial region in children. Clinic, diagnosis, differential diagnosis, treatment.  To describe the prevention of odontogenic periostitis in children.  Draw up a scheme of differential diagnosis of odontogenic acute inflammatory processes in children (periostitis, osteomyelitis, abscess, phlegmon, lymphadenitis).	Be able to perform draining incisions in inflammatory processes	K -1, Sk-1 C-1. C-2 AR 1, AR -2	Hrynshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor
P-12  Iw -12	Traumatic damage to the teeth and bones of the maxillofacial area in children. Methods of diagnosis, treatment.  Describe the anatomical and functional features of the structure of the soft tissues of the maxillofacial area in children, which determine the features of injuries.	Be able to provide assistance for injuries of the maxillofacial area	K -1, Sk-1 C-1. C-2 AR 1, AR-2	Hrynshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor

#### 4. Verification of study results

##### Current control

Forms of control and the evaluation system are carried out in accordance with the requirements of the program of industrial medical practice for students of the 5th year of the Faculty of Dentistry and the instructions on the evaluation system of students' educational activities under the credit-transfer system of the organization of the educational process, approved by the Ministry of Health of Ukraine

**Assessment of current educational activities.** Current control is carried out in accordance with specific objectives. One of the objectives is the control of students and its control by the head of practice is keeping a diary of industrial practice. The diary is the main document for the period of industrial practice, including its protection. During the period of practice, students are obliged to write down in a diary every day everything that was done during the day. In it, in a general sequence, socially useful work is reflected (issues of sanitary bulletins, writing essays, conducting conversations in organized children's groups, etc.). At least twice a week, the student must submit the diary for checking to the assistant (professor) - the head of industrial practice from the department and daily - for signature to the immediate supervisor (dentist from the institution). After the end of the industrial practice, drawing up digital and text reports, the student is description and review of the diary, signed by the direct supervisor of the production practice and the chief physician. The characteristics must be certified by the seal of the medical institution where the production practice was carried out. The presence of a duly filled out form and certified by the signature of the supervisor of the practice, the diary and the final report is mandatory for the admission of the student to the final inspection.

**Current evaluation.** Supervisors of industrial practice analyze the work of students in departments, taking into account their profile (the student must not have missed days of practice), the quality of keeping a diary, the quality of mastering the practical skills determined by the list from each section, the application of the principles of ethics and deontology in the practice of a doctor.

Evaluation criteria for self-mastery of practical skills during practice in points according to the list defined in the final report in points:

**"5" points** - is given to a student who has written the proposed number of manipulations and thoroughly described them at a sufficiently high theoretical level.

**"4" points** - is awarded to a student who has written down the proposed number of manipulations and provided them with a theoretical description, but made insignificant mistakes.

**"3" points** - the student who has written the proposed number of manipulations and provided them with a theoretical description, but has made significant mistakes.

**"2" points** are awarded to a student who has written down the proposed number of manipulations and provided them with a theoretical description, but has made gross and significant mistakes.

A student who has completed 100% of the proposed number of practical skills, presented them in writing, provided reasonable answers to questions about the content of the diary, and received a minimum of 72 points out of a maximum of 120 is admitted to the differential credit for practice.

The differential credit for industrial medical practice of 5th-year students involves the sum of points from practical skills from the number of points during the final control. The maximum number of points that a student can get during the final control is 80, while Control is considered passed if the student has scored at least 50 points.



<i>Code for the learning outcome</i>	<i>By type of activity</i>	<i>Method of verification of learning results</i>	<i>Criteria for inclusion</i>
K -1 Sk -1	P -1	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills	Assessment of students' current performance is carried out every day on a 4-point scale using approved assessment criteria for the relevant discipline and is entered in the practice diary.
K -1 Sk -1	P -2	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills	Assessment of students' current performance is carried out every day on a 4-point scale using approved assessment criteria for the relevant discipline and is entered in the practice diary.
K -1,2 Sk -1	P -3	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills	Assessment of students' current performance is carried out every day on a 4-point scale using approved assessment criteria for the relevant discipline and is entered in the practice diary.
K -1 Sk -1	P -4	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills	Assessment of students' current performance is carried out every day on a 4-point scale using approved assessment criteria for the relevant discipline and is entered in the practice diary.
K -1 Sk -1	P -5	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills	Assessment of students' current performance is carried out every day on a 4-point scale using approved assessment criteria for the relevant discipline and is entered in the practice diary.
K -1,2 Sk -1	P -6	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills	Assessment of students' current performance is carried out every day on a 4-point scale using approved assessment criteria for the relevant discipline and is entered in the practice diary.
K -1 Sk -1	P -7	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills	Assessment of students' current performance is carried out every day on a 4-point scale using approved assessment criteria for the relevant discipline and is entered in the practice diary.
K -1 Sk -1	P -8	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills	Assessment of students' current performance is carried out every day on a 4-point scale using approved assessment criteria for the relevant discipline and is entered in the practice diary.
K -1 Sk -1	P -9	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills	Assessment of students' current performance is carried out every day on a 4-point scale using approved assessment criteria for the relevant discipline and is entered in the practice diary.
K -1 Sk -1	P -10	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills	Assessment of students' current performance is carried out every day on a 4-point scale using approved assessment criteria for the relevant discipline and is entered in the practice diary.
K -1 Sk -1	P 11	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills	Assessment of students' current performance is carried out every day on a 4-point scale using approved assessment criteria for the relevant discipline and is entered in the practice diary.
K -1 Sk -1	P 12	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills	Assessment of students' current performance is carried out every day on a 4-point scale using approved assessment criteria for the relevant discipline and is entered in the practice diary.
<b>Final control</b>			
<b>General evaluation system</b>	Participation in work during practice/ differentiated credit - 60%/40%		
<b>Rating scales</b>	Traditional 4-point scale, multi-point (200-point) scale, ECTS rating scale		
<b>Conditions of admission to the final control</b>	The student attended all working days and received at least 72 points for the current performance		
<b>Type of final control</b>	<i>Methodology of final control</i>		<i>Enrollment criteria</i>
<b>Credit</b>	All topics submitted for current control must		The maximum number of points is <b>200</b> .

be included. Grades from a 4-point scale are converted into points on a multi-point (200-point) scale in accordance with the Regulation "Criteria, rules and procedures for evaluating the results of students' educational activities"

The minimum number of points is **120**

**The maximum number of points** that a student can score for the current educational activity for admission to differentiated credit is 200  
**The minimum number of points** that a student must score for the current educational activity for admission to the differentiated assessment points.

The calculation of the number of points is carried out on the basis of the grades received by the student on a 4-point (national) scale of study of the discipline, by calculating the arithmetic mean (CA), rounded to two decimal places. The obtained value is converted into points on a multi-point scale as follows:

$$x = \frac{CA \times 120}{5}$$

**Recalculation of the average grade for the current activity into a multi-point scale for disciplines ending with credit**

4-point scale	200-point scale	4-point scale	200-point scale	4-point scale	200-point scale	4-point scale	200-point scale
5	200	4.45	178	3.92	157	3.37	135
4.97	199	4.42	177	3.89	156	3.35	134
4.95	198	4.4	176	3.87	155	3.32	133
4.92	197	4.37	175	3.84	154	3.3	132
4.9	196	4.35	174	3.82	153	3.27	131
4.87	195	4.32	173	3.79	152	3.25	130
4.85	194	4.3	172	3.77	151	3.22	129
4.82	193	4.27	171	3.74	150	3.2	128
4.8	192	4.24	170	3.72	149	3.17	127
4.77	191	4.22	169	3.7	148	3.15	126
4.75	190	4.19	168	3.67	147	3.12	125

4.72	189	4.17	167	3.65	146	3.1	124
4.7	188	4.14	166	3.62	145	3.07	123
4.67	187	4.12	165	3.57	143	3.02	121
4.65	186	4.09	164	3.55	142	3	120
4.62	185	4.07	163	3.52	141	<3	not enough
4.6	184	4.04	162	3.5	140		
4.57	183	4.02	161	3.47	139		
4.52	181	3.99	160	3.45	138		
4.5	180	3.97	159	3.42	137		
4.47	179	3.94	158	3.4	136		

**Evaluation criteria of an objective structured practical (clinical) exam/a complex of practical-oriented exams**

The procedure for conducting the unified state qualification exam (USQE), approved by order of the Ministry of Health of Ukraine dated 02/19/2019 No. 419, registered in the Ministry of Justice of Ukraine on 03/20/2019 under No. 279/33250.

**1. Policy of discipline**

(Indicates academic integrity policies, specific program policies relevant to the course).

According to the decision of the Academic Council, incentive points can be added to the number of points in the discipline for students who have scientific publications or won prizes for participation in the Olympiad in the discipline among universities of Ukraine, etc.

The points scored on the current test, individual work and the points of the final test are taken into account. At the same time, attendance at classes and the student's activity during practical classes must be taken into account; inadmissibility of absences and lateness to classes; using a mobile phone, tablet or other mobile devices during class for non-educational purposes; plagiarism and plagiarism; untimely performance of the assigned task, etc.

The policy of the academic discipline consists in: mandatory observance of academic integrity by students, namely: independent performance of all types of work, tasks, forms of control provided for by the work program of the academic discipline.

Compliance with the principles and norms of ethics and deontology by students of higher education:

- actions in professional and educational situations taking into account academic integrity and professional ethics and deontology;
- compliance with the internal rules of the clinical base of the department, to be tolerant, friendly and balanced in communication with students and teachers, patients, medical staff of health care institutions.

**Attendance of classes by students of higher education:** attendance at all classes is mandatory for the purpose of current and final assessment of knowledge (unless there is a valid reason).

**Completion of missed classes by students of higher education:** Completion of missed classes takes place according to the schedule of practice - rewriting the topic of the class for which the student received a negative grade is held at a time convenient for the teacher and the student outside of classes.

**3. Recommended literature**

1. Welbury R. Paediatric dentistry/ Richard Welbury, Monty Duggal.- Oxford University Press; 3rd edition, 2005 Copyright. 306-

**2. Equipment, logistical and software support of the discipline**

Children's dentist workplace, dental equipment and instruments;

Phantoms of teeth and jaws;

Tables;

Multimedia presentations;

Computer support.

Official website of Lviv National Medical University named after Danylo Halytskyi: <http://www.meduniv.lviv.ua/>

Electronic information resources of the university library:

Electronic catalog of the library.

Information and reference sources: encyclopedias, directories, dictionaries.

Educational electronic publications and resources: manuals containing systematized material within the framework of the academic discipline program.

**1. Additional information**

Practical classes are held in the clinical offices of the Department of Pediatric Dentistry and in the phantom classroom.

The person, who is responsible for the syllabus (Krupnyk A.-S. A. PhD., Assoc. Professor)

Head of Department (Kolesnichenko O.V., Ph.D, Associate Professor)