

Ukraine Ministry of Health
Kharkiv National Medical University
Faculty of Dentistry
Department of Pediatric Dentistry and Implantology
Educational Program for Training Specialists of the Second (Master's)
Level, Higher Education Training 22 "Healthcare"
in Specialty 221 "Dentistry"
SYLLABUS OF THE COURSE

**MANUFACTURING MEDICAL PRACTICE
ON PREVENTION OF DENTAL DISEASES**

3^d course

Compulsory or elective educational component _____ compulsory _____

Mode of the educational component _____ off-line _____
(off-line; mixed; on-line)

Field of knowledge _____ 22 "Healthcare" _____
(code and name of the field of knowledge)

Specialty _____ 221 «Dentistry» _____
(code and name of the specialty)


Educational and professional program _____ «Dentistry» _____

Of the second (master's) level of higher education

Course _____ third _____

The syllabus of the discipline was approved at
the meeting of the Department of Pediatric
Dentistry and Implantology

Protocol from "30" August 2021 year № 1
Head of Department

 _____ prof. Nazaryan RS
(signature) (surname and initials)

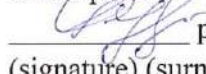
"30" August 2021

Approved by the methodical commission of
KhNMU on problems of professional training
dental profile

Protocol from

"02" September 2021 year №4

Chairman of the methodical commission of
KhNMU on problems of professional training
dental profile

 _____ prof. Ruzin GP
(signature) (surname and initials)

"02" September 2021

Kharkiv 2021.

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Teacher information:

Nazaryan R.S. - Doctor of Medical Sciences, Professor, Head Department of Pediatric Dentistry and Implantology, specialization: Pediatric Dentistry, Surgical Dentistry, Therapeutic Dentistry, Orthodontics.

Kuzina V.V. - Associate professor of Pediatric Dentistry and Implantology, specializing in pediatric dentistry.

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Eye consultations: schedule and venue according to the schedule of the department.

Online consultations: schedule and venue by prior arrangement with the teacher.

Location: classes are held in the UDC KhNMU

Discipline information

1. Description of the discipline

Prevention of dental diseases.

Total 60 hours, 3 ECTS credits.

Name of indicators	Field of knowledge, direction of training, educational and qualification level	Characteristics of the discipline	
		full-time education	evening form of study
Number of credits - 3	Training direction 22 "HEALTHCARE" (code and name)	Normative	
The total number of hours is 60	Specialty: 221 "Dentistry" - masters (code and name)	Year of preparation:	
		3rd	-
		Semester	
		6th	-
Hours for day (or evening) form of study: classrooms - 15 independent student work - 45	Education level: second	Лекції	
		0 hours.	-
		Practical, seminar	
		15 hours	-
		Laboratory	
		-	-
		Independent work	
		45 hours	-
Individual tasks:			
Type of control: diff. test			

Educational program of higher education of Ukraine, second (master's) level, educational qualification assigned - master's degree, field of knowledge - 22 Healthcare, specialty 221 "Dentistry" is based on the Law of Ukraine "On Higher Education" and the resolution of the Cabinet of Ministers of Ukraine 01.02.2017 № 53 "On amendments to the resolution of the Cabinet of Ministers of Ukraine dated 29.04.2015 № 266", in accordance with the order of the Ministry of Education and Science of Ukraine dated 01.06.2016 № 600 "On approval and implementation of Methodological recommendations for the development standards of higher education".

The course program determines the prerequisites for access to education, orientation and main focus of the program, the amount of ECTS credits required for a master's degree, a list of general and special (professional) competencies, normative and variable content of training, formulated in terms of learning outcomes and control requirements quality of higher education.

The department accepts qualified students of any race, national or ethnic origin, sex, age, people with special needs, any religion, sexual orientation, gender, veteran status or marital status for all rights, privileges, programs and activities, provided to university students.

Moodle discipline page:

<http://31.128.79.157:8083/course/view.php?id=746>

2. The purpose and objectives of the discipline.

The purpose of medical practice in the prevention of dental diseases is to consolidate practical skills within the goals defined in the educational and professional training program for the specialty 221 "Dentistry" - the second (master's) level.

3. Discipline status: the main format of the discipline is mixed - a discipline that is accompanied by Moodle, teaching the discipline, combining traditional forms of classroom learning with elements of distance learning, which uses available interactive information technology (ZOOM, Moodle), face-to-face and distance counseling.

4. Teaching methods. Phantom, electronic-information (presentations, video-materials, methodical recommendations, lectures), scientific (participation in scientific developments on discipline), control (tests, situational tasks, estimation of practical skills, protection of a clinical case) are used for carrying out industrial practice.

5. Recommended literature.

1. Khomenko L.O. and sang. Therapeutic dentistry for children, Kyiv, Book Plus, 2001. - 524p.
2. Khomenko L.A., Bidenko N.V. Practical endodontics tools, materials and methods. - Kiev, Book Plus, 2002. - 216p.
3. Bidenko N.V. Glass ionomer materials and their application in dentistry, Kiev, Book Plus, 2003. - 144p
4. Danilevsky M.F., Grokholsky A.P., Politun A.M. Workshop on therapeutic dentistry (phantom course), Lviv "World", 1993. - 184p.
5. Magid E.A., Mukhin N.A. Phantom course of therapeutic dentistry. Atlas. - M.: Medicine, 1978. - 304p.
6. Borisenko A.V. Composite filling materials, Kiev, Kniga plus, 1998. - 74p.
7. Borovskiy V.V., Zhokhova N.S. Endodontic treatment (manual for doctors) Moscow, Dentistry, 1997. - 64p.
8. Lukinykh L.M. Dental caries (etiology, clinic, treatment, prevention). - Nizhny Novgorod, NGMA, 1999. -186p.

6. Prerequisites and co-requisites of the discipline

Discipline "medical practice for the prevention of dental diseases" is associated with the disciplines of anatomy and morphology, pathological anatomy, therapeutic dentistry.

7. Results of studying

As a result of studying the discipline "Medical practice for the prevention of dental diseases" the student must be able to:

plan measures to maintain a healthy lifestyle, personal hygiene and implement them in health practice;

identify risk factors for major dental diseases and their complications;

use the principles of prevention of dental diseases and their complications;

substantiate the need for hygienic measures for the prevention of dental diseases;

plan measures to prevent the spread of dental diseases, evaluate their effectiveness;

plan primary and secondary prevention of the most common dental diseases in children of different ages;

take measures to prevent major dental diseases;

to carry out preventive measures in the dispensary group with risk factors;

to form dispensary groups of patients;

to carry out measures for the prevention of dental diseases (mass and individual, general and local, medical and non-medical);

to determine the tactics of examination and primary prevention of healthy individuals who are subject to dispensary supervision;

on the basis of the data of the sanitary-preventive institution to determine the negative environmental factors by comparing with the existing norms and standards;
on the basis of official data by comparing with the average indicators to analyze the state of health of a certain contingent;
on the basis of data on the state of the environment and the state of health of a certain contingent to determine the existence of a connection between them;
to develop preventive measures on the basis of data on the connection between the state of the environment and the state of health of a certain contingent;
using official accounting documents, in a generalized form to prepare a monthly report on personal production activities;
using standard technology, on the basis of regulatory documents to keep medical records of the patient and the contingent of the population (outpatient card of a dental patient, dispensary record card, diary of work performed, summary).

The content of the discipline

№№	Topic	Number hours
Section 1. Medical practice in the prevention of dental diseases.		
1.	Structure and organization of dental treatment and preventive care for children in Ukraine. Acquaintance with preventive work of the doctor - the dentist-hygienist. Identification of risk factors for the development of major dental diseases depending on the age of the child and anatomical and physiological features of the structure of the oral cavity. Dental tools recommended for preventive manipulations in the oral cavity. Sanitary - epidemiological requirements for the work of a hygienist-dentist.	2
2.	Methods of dental examination of the child. Algorithm of dental examination of the patient. Subjective and objective diagnostic methods. Record the dental formula taking into account the age of the child. Methods of preventive examination of the patient. Registration of dental status according to WHO recommendations. Epidemiology of major dental diseases: caries, non-cariou lesions, periodontal diseases and mucous membranes. Statistical methods of processing epidemiological indicators.	2
3.	Determination of caries indices in patients with temporary, variable and permanent occlusion: DMF, DMF+df, df, DMFS of teeth, intensity and prevalence of dental caries. Determination of hygienic indices by Fedorov-Volodkina, Pakhomov, Green-Vermillion, Silness-Loe. Determine the hygienic condition of the patient's oral cavity. Practical use of periodontal indices, bleeding indices depending on the patient's age and severity of periodontal disease (CPITN, CPI, PMA, PI, PBI, SBI).	1
4.	Practical identification of the main factors of the cariogenic situation in the oral cavity. Practical identification of factors that affect the formation and mineralization of the hard tissues of the teeth in a child.	3
5.	Comparative characteristics of the spectrum of microbiological parameters of saliva, dental plaque, gingival fluid and its impact on the development of major dental diseases. Evaluation of enamel acid resistance and remineralizing ability of enamel by TER-test, KOSHRE, CRT-test. Methods and means of detecting non-mineralized and	2

	mineralized dental plaque. Their influence on the development of carious process and periodontal diseases.	
6.	Practical use of oral hygiene products. The composition and properties of hygiene products recommended for oral care. Practical use of various methods of brushing teeth (standard method, the method of Leonard, Bass, Fones, Reith, Smith-Bell, Charter, Stillman, brush rotation). Demonstration of their performance on dental phantoms. Selection and appointment of methods and means of oral hygiene in the complex prevention of patients with orthodontic and surgical pathologies. Appointment of methods and means of oral hygiene in the complex prevention of patients with periodontal disease and oral mucosa.	2
7.	Practical use and features of the method of controlling brushing during preventive examination of the patient. Technique of consistent performance of professional oral hygiene. A set of tools is needed for chemical and mechanical (manual and hardware) methods of removing dental plaque.	1
8.	Features of complex appointment of calcium-containing drugs for exogenous and endogenous prevention of caries and non-carious lesions in the antenatal and postnatal period. Develop a regimen and prescribe calcium supplements. The use of fluoride-containing drugs, depending on its content in drinking water, for endogenous and exogenous prevention of caries and non-carious lesions in different periods of child development. Technique of remineralizing therapy with the use of solutions, varnishes, gels, pastes. Methods of electrophoresis. Substantiation and practical implementation of non-invasive method of fissure sealing. Indications, contraindications, duration, choice of material. Methods for detecting the depth of fissures. Practical implementation of the invasive method of sealing fissures. Indications, contraindications, duration, choice of material.	1
9.	Hygienic training and education in different age groups of children. Prepare and conduct a hygiene lesson in a preschool institution. The main forms of sanitary - educational work for different segments of the population. Comprehensive system for the prevention of dental caries. The main elements of the program. Criteria for evaluating the effectiveness of the program for the prevention of dental caries and periodontal disease. The use of dispensary accounting methods in preventive work with children.	1
	Total	15

PLAN OF INDEPENDENT WORK OF STUDENTS IN THE STUDY OF THE SECTION “Medical production practice for the prevention of dental diseases.”

№№/	Content	Number hours	Type of control
	Subsection 1. Medical practice in the prevention of dental diseases.	45 of which:	
1.	Preparation for practical classes	5	Current control
2.	Acquisition of practical skills given in terms of	21	Current control

	practical training of the student		
3.	Filling in the main reporting documentation - the Diary of industrial practice and the Final report	15	Current control
4.	Preparation for the final control of knowledge and practical training of students	4	Differentiated credit
Total		45	

Discipline policy and values.

In order to successfully complete the relevant course, it is necessary to regularly attend practical classes; to have theoretical preparation for practical classes according to the subject; not to be late and not to miss classes; perform all necessary tasks and work in each lesson; be able to work with a partner or in a group; contact the curators of the course on various issues on the subject of classes and receive it when you need it.

Students can discuss different tasks, but their performance is strictly individual. You are not allowed to write off, use any kind of software, tips, use a mobile phone, tablet or other electronic gadgets during classes for purposes other than the learning process. Students are not allowed to be late for practical classes.

Visiting patients during the curation in the hospital is possible provided that the students have the appropriate form of clothing, a health book with a note about the timely medical examination.

Students with special needs can meet with the teacher or warn him before the start of classes, at the request of the student it can be done by the head of the group. If you have any questions, please contact the teacher.

Students' participation in research and conferences on this topic is encouraged.

All students of KhNMU are protected by the Regulations on Prevention, Prevention and Settlement of Cases Related to Sexual Harassment and Discrimination at Kharkiv National Medical University, which is designed to determine an effective mechanism for resolving conflict situations related to discrimination and sexual harassment. This Regulation is developed on the basis of the following normative legal acts of Ukraine: the Constitution of Ukraine; Law of Ukraine "On Education"; Law of Ukraine "On Higher Education"; Law of Ukraine "On Principles of Prevention and Counteraction of Discrimination in Ukraine"; Law of Ukraine "On Ensuring Equal Rights and Opportunities for Women and Men"; Convention for the Protection of Human Rights and Fundamental Freedoms; Convention for the Suppression of Discrimination in Education; Convention on the Elimination of All Forms of Discrimination against Women; General Recommendation № 25 to paragraph 1 of Article 4 of the Convention on the Elimination of All Forms of Discrimination against Women; Cultural Rights; UN Committee on Economic, Social and Cultural Rights); Recommendations on Education for International Understanding, Cooperation and Peace and Education for Human Rights and Fundamental Freedoms (UNESCO); Concept of the State Social Program for Equal Rights and Opportunities for Women and men for the period up to 2021. Kharkiv National Medical University provides education and work that is free from discrimination, sexual harassment, intimidation or exploitation. The University recognizes the importance of confidentiality. All persons responsible for the implementation of this policy (staff of deans, faculties, institutes and the Center for Gender Education, members of the student government and ethics committee, vice-rector for research and teaching) are confidential about those who report or accuse of discrimination. or sexual harassment (except where the law requires disclosure and / or when disclosure by the University is necessary to protect the safety of others).

KhNMU creates a space of equal opportunities free from discrimination of any national, racial or ethnic origin, sex, age, disability, religion, sexual orientation, gender, or marital status. All rights, privileges, programs and activities granted to students or staff of the University apply to all without exception, provided they are properly qualified. The anti-discrimination policy and the policy of counteracting sexual harassment of KhNMU are confirmed by the Code of Corporate Ethics and the Charter of KhNMU.

Behavior in the audience

It is important for students to follow the rules of good behavior at the university. These rules are common to all, they also apply to all faculty and staff, and are not fundamentally different from the generally accepted norms. During classes it is allowed:

- leave the audience for a short time if necessary and with the permission of the teacher;
- drink soft drinks;
- take photos of presentation slides;
- take an active part in the class.

Forbidden:

- eat (except for persons whose special medical condition requires another - in this case, medical confirmation is required);
- smoking, drinking alcohol and even low-alcohol beverages or drugs;
- to use obscene language or use words that offend the honor and dignity of colleagues and faculty;
- gaff;
- to damage the material and technical base of the university (damage inventory, equipment; furniture, walls, floors, litter the premises and territories);
- shouting, shouting or listening to loud music in classrooms and even in corridors during classes.

Plagiarism and academic integrity

The Department of Pediatric Dentistry and Implantology maintains zero tolerance for plagiarism. Students are expected to constantly raise their awareness of academic writing. The first lessons will provide information on what to consider plagiarism and how to properly conduct research and scientific research.

Occupational Health

The first lesson of the course will explain the basic principles of labor protection by conducting appropriate training. It is expected that everyone should know where the nearest evacuation exit to the audience, where the fire extinguisher is, how to use it, etc..

Procedure for informing about changes in the syllabus: the necessary changes in the syllabus are approved by the methodical commission of KhNMU on the problems of professional training of the dental profile and are published on the site of KhNMU, the site of the Department of Pediatric Dentistry and Implantology of KhNMU.

Evaluation policy

Assessment of current learning activities (CLA)

When assessing the mastery of each subject of the discipline and the final lesson (FL), the student is graded according to the traditional 4-point system: "excellent", "good", "satisfactory" or "unsatisfactory".

The final score for the current learning activity (CLA) and the final classes (FL) is defined as the arithmetic mean of the traditional grades for each class and FL, rounded to 2 decimal places and listed in a multi-point scale according to the standard table.

Assessment of the final lesson

The final lesson (FL) is conducted in accordance with the curriculum of the discipline (hereinafter - CLA) on schedule, during classes.

To prepare for the software on the information stand of the department the following materials are presented:

- basic and anchor test tasks;
- list of theoretical questions (including questions on independent work);
- list of practical skills;
- a list of drugs, prescriptions of which must be prescribed by the student;
- list of medical records;
- criteria for assessing the knowledge and skills of students;
- schedule of students working during the semester.

Differential credit

Differential credit in the discipline "Medical production practice for the prevention of dental diseases" is a process during which the following are checked:

- level of theoretical knowledge;
- development of creative thinking;
- skills of independent work;
- competencies - the ability to synthesize the acquired knowledge and apply them in solving practical problems.

To prepare for the test on the information stand of the department the following materials are presented:

- basic and anchor test tasks;
- list of theoretical questions (including questions on independent work);
- list of practical skills;
- a list of drugs, prescriptions of which must be prescribed by the student;
- list of medical records;
- criteria for assessing the knowledge and skills of students;
- schedule of students' classes during the semester;
- schedule of consultations on the discipline during the semester.

Assessment of individual student tasks

At the meeting of the department should be approved a list of individual tasks (participation in reports at student conferences, profile competitions, preparation of analytical reviews with presentations) with the definition of the number of points for their implementation, which can be added as incentives (not more than 10).

Points for individual tasks are awarded to the student only by the commission (commission - head of the department, head teacher, group teacher), once, only under the conditions of their successful implementation and defense. The total amount of points for CLA may not exceed 120 points.

Assessment of students' independent work

Assimilation of topics that are submitted only for independent work is checked during the final lesson and differential credit.

Head of Pediatric Dentistry
and Implantology Department

MD, Professor

R.S. Nazaryan

