

THE PROGRAM OF THE MEDICAL ON-THE-JOB-INTERNSHIP
OF THE 3TH-YEAR STUDENTS OF THE 6TH SEMESTER OF THE DENTAL
FACULTY, WHO PERFORMS DUTIES AS DENTIST
IN PREVENTION OF DENTAL DISEASES

1. BASIC ORGANIZATIONAL PRINCIPLES

The program of the on-the-job internship for the 3rd-year students of the 6th semester of the Faculty of Dentistry carries out the following regulations for higher medical educational institutions of Ukraine and the curriculum. The on-the-job internship lasts 7 days in the children's dental clinic, dental offices of schools, and kindergartens in the scope of professional duties of a dental hygienist. Assessment of success at the on-the-job internship of students is a rating and is set by the credit-transfer system with a differentiated assessment. Students who have fully completed the study program for the 3rd year of study are allowed to work with patients.

2. PURPOSE AND TASKS OF THE INTERNSHIP

Consolidation of knowledge and skills at the internship obtained during the study of basic clinical and theoretical disciplines (examination of the patient, clinical diagnosis, treatment) and further deepening and improvement of practical skills, acquaintance with the organization of medical business and working conditions of dentists, as well as consolidation skills of sanitary-educational work.

3. DURING THE PRACTICE OF PREVENTION OF DENTAL DISEASES
STUDENTS MUST

KNOW:

- the rules of medical ethics and medical deontology;
- determine the main structural units of the organization of dental treatment and preventive care for children in Ukraine;
- have modern methods and principles of sanitary and anti-epidemic work in dental prevention practice;
- be able to conduct a preventive examination of patients of different ages;
- conduct an index assessment of hygienic condition, the level of damage to the hard tissues of the teeth and periodontium;
- determine the main factors of a cariogenic situation in the oral cavity and ways of preventive action;
- demonstrate the ability to fill in the necessary documentation: dental outpatient card for the assessment of dental
- have a diary of internship, a student report on the internship;
- determine the risk factors of major dental diseases;
- plan preventive measures and evaluate their effectiveness to prevent the spread of dental diseases;
- demonstrate various methods of brushing teeth on phantom. Carry out individual training of the patient in the method of brushing teeth according to age and dental status
- appoint a complex for exogenous prophylaxis with the use of calcium-, fluoride-containing drugs for different groups of the population;
- carry out invasive and non-invasive methods of sealing figures;
- determine the need for dispensary registration of the child during preventive examination.

LIST OF SKILLS AND PRACTICAL EXPERIENCE

- Demonstrate the ability to apply the principles of medical deontology in preventive dental work with patients of different ages;
- identify the main structural units of the organization of dental treatment and preventive care for children in Ukraine;
- demonstrate the ability to collect a patient's history to fill out a card of dental examination of the patient;
- demonstrate the ability to record dental formula depending on the dental status and age of the patient;
- demonstrate the definition of caries indices in patients with temporary, variable and permanent occlusion: DMF, df, DMF+df teeth index (Decayed, Missing, Filled teeth in one patient), intensity and prevalence of tooth decay in the proposed group of children;
- demonstrate the definition of the hygienic index by Fedorov-Volodkina, Pakhomov. Assess the hygienic condition of the patient's mouth, carry out a qualitative and quantitative assessment;
- determine periodontal indices and bleeding index: CPITN, PMA, RI, RVI, SVI; assess the degree of periodontal disease;
- demonstrate the method of determining the enamel resistance test (ERT-test), clinical evaluation of enamel remineralization speed (CEERS-test);
- choose oral hygiene products depending on the dental and somatic status, age of the child;
- demonstrate mastery of different methods of brushing teeth: standard, Leonard, Bass, Fones, Reith, Smith-Bell, Cherter, Stillman, the method of rotation of the brush; demonstrate the technique of performing them on a phantom;
- demonstrate the method of professional oral hygiene;
- plan primary and secondary prevention measures, using data from epidemic dental analysis diseases in children of different ages;
- to determine the tactics of examination of persons subject to dispensary supervision and to prescribe preventive measures following a comprehensive prevention program;
- demonstrate the means and methods of sanitary-educational work used during preventive work, prepare and conduct a hygiene lesson in a preschool institution.
- conduct a survey of the patient regarding the diet and the nature of nutrition. provide practical recommendations for a balanced diet of the child.
- demonstrate the ability to apply the principles of medical deontology in preventive dental work with patients of different ages.

EDUCATIONAL AND RESEARCH WORK OF STUDENTS (ERWS)

During the on-the-job internship students conduct educational and research work, using the knowledge gained at the Medical University, and the results of research, obtained during the on-the-job internship, work with methodological literature.

ERWS can be carried out in the form of preparation of abstracts, individual tasks, inclusion in work of elements of experimental research, reports or messages at scientific and practical conferences in hospitals, with drawing up of tables, schemes, diagrams, stands-lectures.

THE TITLE PAGE OF THE DIARY

Name of the University: PHEE “KYIV MEDICAL UNIVERSITY”

Name of the Department _____

THE DIARY

of the on-the-job internship _____
(name of the internship)
of student

Surname _____

Name _____

Faculty _____

Course _____

Group _____

Direct Supervisor (from the base)

Chief Supervisor (from the base)

(signature)

Seal

SCHEME
THE DIARY
of the on-the-job internship
of the 3th year students of the 6th semester of the dentistry faculty

№	Date	Surname, Name, Age	Complaints and medical history	Objective examination data. Dental formula	Diagnosis in English and Latin	What was done, What treatment was performed	Signatures of supervisors
1	2	3	4	5	6	7	8

Supervisor (from the base)_____

(signature)

THE LIST
practical skills and tasks for on-the-job internship
for the prevention of dental diseases

№	List of practical skills	Planned	Done	Score in points
1	Number of workdays	10		Admitted
2	Number of examined children	45		
3	Record of dental formula	45		
4	Determination of DMF, df, DMF+df teeth index	45		
	Determination of hygiene indices:			
5	According to Fedorova - Volodkina	35		
6	Green-Vermilion	10		
7	Pakhomov	5		
8	Silness - Lowe	5		
	Determination of the condition of periodontal tissues by indices:			
9	PMA	17		
10	Complex Periodontal Index (CPI)	15		
11	CPITN	2		
12	Definition of ERT-test, CEERS-test	10		
13	Applications of remineralizing solutions	30		
14	Coating teeth with fluoride varnish, gel	3		
15	Sealing of figures in temporary and permanent teeth	10		
16	Training in oral hygiene	30		
17	Carrying out control brushing of teeth	25		
18	Professional teeth cleaning	10		
19	Selection and appointment of means and methods of hygienic care of the oral cavity	45		
20	Issue of the sanitary bulletin	1		
21	Abstract	1		

THE PROGRAM OF THE MEDICAL ON-THE-JOB-INTERNSHIP
OF THE 3TH-YEAR STUDENTS OF THE 6TH SEMESTER OF THE DENTAL
FACULTY, WHO PERFORMS DUTIES AS DENTIST FROM THERAPEUTIC
DENTISTRY

1. BASIC ORGANIZATIONAL PRINCIPLES

The program of the on-the-job internship for the 3rd-year students of the 6th semester of the Faculty of Dentistry is carried out following the regulations for higher medical educational institutions of Ukraine and the curriculum. The on-the-job internship is carried out as an assistant to a dentist in the therapeutic department of a dental clinic and lasts 7 working days. Assessment of success at the on-the-job internship of students is a rating and is set by the credit-transfer system with a differentiated assessment. Students who have fully completed the study program for the 3rd year of study are allowed to work with patients.

2. PURPOSE AND TASKS OF THE INTERNSHIP

Consolidation of knowledge and skills at the internship obtained during the study of basic clinical and theoretical disciplines (examination of the patient, clinical diagnosis, treatment) and further deepening and improvement of practical skills, acquaintance with the organization of medical business and working conditions of dentists, as well as consolidation skills of sanitary-educational work.

3. DURING THE INTERNSHIP OF THERAPEUTIC DENTISTRY, STUDENTS MUST

KNOW:

- terms of medical ethics and medical deontology;
- to determine the main structural units of the organization of dental treatment and preventive care for children in Ukraine;
- have modern methods and principles of sanitary and anti-epidemic work in dental prevention practice;
- be able to conduct a preventive examination of patients of different ages;
- demonstrate knowledge of sterilization methods dental instruments and the procedure for its care;
- to get acquainted with the accounting records of the doctor dentist-therapist, write prescriptions and know the requirements for the conditions storage of drugs during their use in therapeutic dentistry clinic;
- prescribe physiotherapy procedures and explain their mechanism, effects on the condition of the hard tissues of the teeth and surrounding tissues when prevention of caries and its complications in the outpatient setting reception;
- to organize primary and secondary prevention of dental diseases and medical examination of dental patients;
- to conduct a clinical examination of patients with lesions of the hard tissues of the tooth of non-carious origin, caries, pulpitis, periodontitis using basic and additional methods of examination, analyze the results of the patient's examination and establish a preliminary clinical diagnosis;
- make a treatment plan for a patient with caries, its complications and non-carious lesions depending on the form, course of the disease, age and general condition of the patient;
- to master the methods of anesthesia in the treatment of odontopathology;
- to master the methods of diagnosis and emergency care at the dentist's office;

- to assess the state of oral hygiene according to hygienic indices and the effectiveness of oral hygiene;
- provide recommendations for oral hygiene, taking into account the individual characteristics of the patient with odontopathology.

List of skills and practical experience

№	Skills and practical experience	Score in points
1	Prepare a dental unit, workplace, dental tools, filling materials, equipment for the work of a dentist at a therapeutic reception. Know the rules of safety when working in the dental office.	
2	Emergency care for fainting, shock, allergic reactions, a hypertensive crisis of the patient at the dentist. Providing emergency care to a patient with acute purulent pulpitis, acute purulent periodontitis.	
3	Subjective examination of the patient at the dentist's appointment with a dentist, survey (complaints, life history, medical history), and objective examination (examination of the patient, examination of the oropharynx, oral cavity, dentition, disease site (causal tooth)), probing, percussion, palpation of the oral mucosa in the projection of the apex of the root of the causative tooth. Evaluation of the obtained data.	
4	Features of carrying out diagnostic tests: on preparation, with anesthesia, definition of trigger zones, inspection of places of an exit of peripheral branches of a trigeminal nerve (t. Valle). Evaluation of the obtained data.	
5	Determine the acid resistance of tooth enamel using ERT-test. Conduct and evaluate the data obtained.	
6	Filling out the outpatient card of the dental patient, recording the dental formula, writing referrals to the physiotherapy room, for X-ray examination. Write prescriptions for prescribed drugs.	
7	Substantiation and formulation of clinical diagnosis.	
8	Interpretation of general principles of treatment of a patient with caries, pulpitis, periodontitis.	
9	Carrying out of medical processing of a carious cavity, root canals of their drying.	
10	Preparation of medical pad, mixing of filling material for insulating pads, permanent seals.	
11	Carrying out drug treatment of root canals, mummification and impregnation in root canals, treatment of root canals by electrophoresis and depophoresis.	
12	Sealing of root canals with plastic non-hardening, plastic hardening materials and with the help of gutta-percha pins; carrying out sealing of root canals.	
13	Carrying out professional brushing of teeth; removal of tartar above the gums and under the gums manually and with a scaler; drug treatment of gingival pockets and oral mucosa; coating of teeth with fluoride varnish, rem-therapy. Providing recommendations for oral hygiene, taking into account the individual characteristics of the patient.	
14	Differential diagnosis of primary caries with non-cariou lesions, secondary caries with chronic periodontitis, acute deep caries with hyperemia of the pulp of the tooth and chronic forms of pulpitis, acute purulent pulpitis with trigeminal neuralgia and acute hemorrhoids.	
15	Appointment according to the indications of physical methods during the	

	complex treatment and prevention of caries and non-carious lesions.	
16	Conducting conversations, lectures on health education.	

EDUCATIONAL AND RESEARCH WORK OF STUDENTS (ERWS)

During on-the-job internship students conduct educational and research work, using the knowledge gained at the Medical University, and the results of research, obtained during on-the-job internship, work with methodological literature.

ERWS can be carried out in the form of preparation of abstracts, performance of individual tasks, inclusion in work of elements of experimental research, reports or messages at scientific and practical conferences in hospitals, with drawing up of tables, schemes, diagrams, stands-lectures.

THE TITLE PAGE OF THE DIARY

Name of the University: PHEE “KYIV MEDICAL UNIVERSITY”

Name of the Department _____

THE DIARY

of the on-the-job internship from "The Therapeutic dentistry"
of student

Surname _____

Name _____

Faculty _____

Course _____

Group _____

Direct Supervisor (from the base)

Chief Supervisor (from the base)

(signature)

Seal

THE LIST
of practical skills and tasks for the on-the-job internship
in therapeutic dentistry

List of practical skills	Кількість навичок	Викона но	Оцінка в балах
Number of workdays	10		
Admitted patients	15-35		
Of these: primary	15		
Repeated	35		
Caries treatment (whole teeth)	24-25		
Including therapy, fluoride varnish	2-3		
Treatment of pulpitis (whole teeth)	3-4		
- Surgical method (amputation, extirpation):	1-2		
- Biological method	1-3		
- Including under anesthesia	1-2		
and with the use of diathermocoagulation	1-2		
Treatment of periodontitis	3-4		
Root canal treatment (total)	8-24		
- "Step Beck" method	8-20		
- the method of "Crown down" technique	2-4		
Root canal filling (total)	8-24		
- one cone method (central pin)	2-4		
- by the method of cold lateral condensation of gutta-percha	4-10		
- in other methods	1-2		
Sealed teeth (total fillings)	20-25		
- cement (silicophosphate, glass ionomer cement)	2-3		
- Composite materials:	21-22		
- chemical CM	6-7		
- other filling materials	1-2		
Determination of the hygiene index:			
- according to Fedorov-Volodkina	7-8		
- according to Green Vermilion	6-7		
Removal of plaque, tartar (professional oral hygiene)	5-6		
Conducting irrigations, applications, instillations	5-6		
- Ultra-high frequency (UHF) therapy, electrophoresis (depophoresis)	1-2		
- Electro Odonto Diagnostic (EOD)	10-12		
Sanitized patients (total)	8-10		
Produced Conditional unit of labor intensity (CULI)	150-160		

Students wishing to do the on-the-job internship at the place of residence must write an application and submit a letter from the medical institution to the on-the-job internship department.

THE EXAMPLE OF THE APPLICATION OF A STUDENT

RECTOR of the PHEE "Kyiv Medical university"

Professor IVNEV B.B.

Student _____

(Name, Surname)

_____ faculty, ___ course, ___ group

THE APPLICATION

Please allow the on-the-job internship at _____

(name of on-the-job internship)

at the place of residence _____

(name of city, district, region)

" ____ " _____ 20 ____ .

_____ (signature)

RECTOR of the PHEE "Kyiv Medical university"

Professor IVNEV B.B.

Student _____

(Name, Surname)

_____ faculty, ___ course, ___ group

THE APPLICATION

Administration of _____

(name of the medical institution)

does not object to the on-the-job internship

_____ (name of the on-the-job internship)

Student _____ course, group _____, faculty _____

(Name, Surname)

Based on _____

(name of medical institution)

The base meets the requirements of the on-the-job internship.

Chief Physician _____ (Name, Surname)

Seal (signature)