

THE PROGRAM OF THE MEDICAL ON-THE-JOB INTERNSHIP
the 5th year students of the 10th semester of medical faculty, who performs duties as a
district doctor

1. BASIC ORGANIZATIONAL PRINCIPLES

Medical on-the-job internship for the 5th year students of the 10th semester of the medical faculty is conducted as an acting district physician, pediatrician, clinic surgeon, antenatal clinic doctor following the current curriculum, and lasts 4 weeks: 1 week in a therapeutic, surgical, pediatric departments of the clinic and women's consultation.

Practical training of students is carried out in the form of on-the-job internship and professional clinical practical training of students. Assessment of success in 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 4th year of study are allowed to work.

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 in the city and district, as well as consolidation skills of sanitary-educational work.

3. CONTENT OF THE PROGRAM

1. The main responsibilities and professional actions of a doctor of the therapeutic department of the clinic

- principles of organization of planned and emergency therapeutic care in the clinic;
- work in the therapeutic office of the clinic;
- work in the office of functional diagnostics;
- work in the physiotherapy room;
- work in specialized (cardiology and other) offices;
- duty in the emergency room in the clinic or admission department of the hospital;
- application of the principles of ethics and deontology in the practice of the physician.

2. The main responsibilities and professional actions of a doctor of the surgical department of the clinic

- clinical, laboratory and instrumental diagnosis and tactics of treatment of major surgical pathologies in the clinic;
- work in the surgical office of the clinic;
- work in the trauma office of the clinic;
- work in the urology office of the clinic;
- duty in the emergency room in the clinic or admission department of the hospital;
- application of the principles of ethics and deontology in the practice of the surgeon of the clinic.

3. The main responsibilities and professional actions of a pediatrician

- principles of organization of medical care for children in an outpatient condition;
- clinical, laboratory and instrumental diagnosis and tactics of treatment of major children's diseases in an outpatient conditions;

- principles of organization of vaccine prophylaxis of infectious diseases in Ukraine;
- system of dispensary supervision over healthy and sick children;
- application of the principles of ethics and deontology in pediatrics.

4. The main responsibilities and professional actions of a maternity welfare centre doctor of maternity welfare centre

- principles of organization of medical care for women in an outpatient setting;
- clinical, laboratory and instrumental diagnosis and tactics of treatment of the most common gynecological diseases in the maternity welfare centre;
- patronage of pregnant women and women in labor;
- oncoprophylaxis and oncodiagnostics in gynecology;
- dispensary examination of pregnant and gynecological patients;
- diagnosis and provision of emergency medical care at the pre-hospital stage;
- application of the principles of ethics and deontology in gynecology.

5. List of skills and practical abilities for the final control module from the Module 1
 “Basic responsibilities and professional actions **of a doctor of the therapeutic department of the clinic (the 5th year)”**”

	Skills and practical abilities	Score in points
1	Conducting a survey and physical examination of patients with major diseases of the internal organs.	
2	Evaluation of clinical, biochemical and bacteriological tests of blood, urine.	
3	Evaluation of data of instrumental research methods: X-ray examination of chest and abdominal organs, joints; CT, X-ray contrast angiography, ECG, echocardiography, ultrasound of the abdominal cavity.	
4	Justifying and formulation of clinical diagnosis;	
5	Interpretation of general principles of treatment, primary and secondary prevention of major diseases of the internal organs.	
6	Emergency care in emergency situations (conditions) in acute heart failure, hypertensive crisis, paroxysmal heart rhythm disorders, Adams–Stokes syndrome, pulmonary embolism, acute renal failure etc.	

6. List of skills and practical abilities for the final control module from the Module 2
 “Basic responsibilities and professional actions **of a doctor of the surgical department of the clinic (the 5th year)”**”

	Skills and practical abilities	Score in points
1	Features of examination of a surgical patient: survey, physical examination - examination of the patient, palpation, percussion, auscultation.	
2	Evaluation of clinical, biochemical and bacteriological tests of blood, urine.	
3	Evaluation of data of instrumental research methods (X-ray examination of chest and abdominal organs, aortography, ultrasound of the abdominal cavity, Doppler ultrasonography of arteries and veins, CT, endoscopy) in surgical diseases.	
4	Justifying and formulation of clinical diagnosis, differential diagnosis of surgical diseases.	
5	Features of assistance in the dressing room: opening of abscesses, primary surgical treatment of wounds, bandaging, pleural puncture and puncture of joints.	

6	Emergency care for stab wounds, spontaneous pneumothorax, traumatic shock, bleeding, phlebothrombosis, injuries and bone fractures.	
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7. List of skills and practical abilities for the final control module from the Module 3
“Basic responsibilities and professional actions **of the district pediatrician (the 5th year)**”

	Skills and practical abilities	Score in points
1	Examination of healthy and sick children.	
2	Evaluation of clinical (complete blood count, urinalysis, feces) and biochemical tests of patients (blood protein and its fractions, acute phase parameters, blood urea and creatinine, electrolytes, glucose, blood bilirubin and its fractions, coagulogram, blood lipid profile), microbiological tests of biological fluids and secretions, polymerase chain reaction, enzyme-linked immunosorbent assay, general analysis of sternal punctate and cerebrospinal fluid.	
3	Evaluation of data of instrumental research methods: X-ray examination of chest and abdominal organs, joints; CT of the CNS, X-ray contrast angiography, ECG, echocardiography, ultrasound of the abdominal cavity.	
4	Knowledge of the timing of preventive vaccinations. Indications and contraindications to vaccination.	
5	Justifying and formulation of clinical diagnosis.	
6	Emergency care in urgent conditions of children (convulsive and hyperthermic syndrome, collapse, pulmonary edema, bronchospasm, asthmatic status, acute heart failure, infectious-toxic shock, acute renal failure, acute liver failure, acute adrenal insufficiency, complications of vaccination and drug therapy: Quincke's edema, anaphylactic shock, ketoacidotic coma, hypoglycemic coma, bleeding and others).	

8. List of skills and practical abilities for the final control module from the Module 4
“Basic responsibilities and professional actions **of the antenatal clinic doctor (5th year)**”

	Skills and practical abilities	Score in points
1	Features of survey and obstetric and gynecological examination (mirror, bimanual, rectal, rectovaginal).	
2	Evaluation of clinical, biochemical and bacteriological tests of blood, urine.	
3	Evaluation of data of instrumental research methods: colposcopy and colpocytology, tests of diagnostics of a functional condition of ovaries, an assessment of results of cytologic, histologic and bacteriological tests.	
4	Evaluation of ultrasound results and X-ray examinations of female genitals.	
5	Justifying and formulation of clinical diagnosis, differential diagnosis between acute gynecological and surgical diseases.	
6	Patronage of pregnant women and parturients.	
7	Provision of emergency care at the prehospital stage: uterine bleeding, rupture of the ovarian tumor, ovarian apoplexy and others.	

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, 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 _____
(name of practice)
of student

Surname _____

Name _____

Faculty _____

Course _____

Group _____ Semester _____

the on-the-job internship time from "___" _____ 20 ___ by "___" _____ 20 ___ .

Place of the on-the-job internship _____
(city, district)

Name of the Hospital _____

Direct Supervisor (from the base)

Chief Supervisor (from the base)

(signature)

Seal

THE DIARY
on-the-job internship of the internal medicine
of the 5th year student of the medical faculty
 (according to this form the diary of surgery, pediatrics
 and work in the women's consultation is filled out)

Date Work Hours	The Content of The Performed Work	Performed skill
Day 1 8-00-9-00	I was present at the organizational meeting with the chief physician of the clinic, I got acquainted with the organization and structure of the clinic. I made an individual work schedule.	
9-00 -12-00	Together with the district physician-therapist I conducted an outpatient appointment, I took 5 patients: 1. Patient N., 60 years old, D-s: ischemic heart disease: angina pectoris II FC. Postinfarction cardiosclerosis, extrasystolic arrhythmia HF 2B. In favor of this I testify: examination Treatment	Physical examination of 5 patients (survey, examination, blood pressure measurement). Evaluation of clinical, biochemical and instrumental tests.
12-0 -15-00	Together with the district therapist I visited and examined 3 patients at home. 1. Patient O. 47 years old. D- s: Catarrhal angina. In favor of this I testify: by the examination...Treatment.. 2. Patient B. 35 years old. D-s: Systemic lupus erythematosus, act. 1 d., lupus arthritis of the elbow joints, lupus nephritis, Stage 1 CKD. In favor of this I testify: examination...Treatment...	3 outpatient cards have been filled out. 9 recipes were issued.

Diaries of the on-the-job internship, which are filled out by the student after each day of practice, should be signed by the head of the on-the-job internship from the base and from the educational institution (department).

The Consolidated Digital Progress Report
of the on-the-job internship of the **Internal Medicine** (current control)

Student _____ **the 5th year of the medical faculty**
on the basis of _____ **city** _____

№	List of skills and abilities	Amount of skills	Score in points
1	Admission of patients in the clinic. Examination of the patient, substantiation and formulation of the clinical diagnosis, registration of case histories.	20-30	
2	Duty in the emergency room at the clinic or in the admission department of the hospital.	1	
3	Measurement of blood pressure.	30-50	
4	Evaluation of laboratory tests (acute phase blood counts, total protein and protein fractions, blood transaminases, coagulogram, laboratory markers of myocardial necrosis, blood lipid spectrum, creatinine, blood electrolytes, urea, blood uric acid, immune status indicators, general analysis according to Nechiporenko and Zimnitsky, data from microbiological examination of urine and others).	30-50	
5	ECG analysis.	20-30	
6	Analysis of echocardiography data, stress tests.	3-5	
7	Analysis of data of X-ray examination of the chest, abdomen, joints, CT, X-ray contrast angiography.	10-12	
8	Participation in emergency medical care in emergency situations in acute heart failure, hypertension, paroxysmal disorders, Adams–Stokes syndrome, pulmonary embolism, acute renal failure and others.	3-5	
9	Analysis of ultrasound data of the abdominal organs.	10-15	

Signature of the Teacher of the Department _____

The Consolidated Digital Progress Report
of the on-the-job internship of the **Surgery** (current control)

Student _____ the 5th year of the **medical faculty**
on the basis of _____ city _____

№	List of skills and abilities	Amount of skills	Score in points
1	Admission of patients in the clinic.	20-40	
2	Duty in the emergency room in the clinic or in the admission department of the hospital, trauma center.	1	
3	Measurement of blood pressure.	30-50	
4	Analysis of data of X-ray examination of the chest, abdomen, aortography, ultrasound of the abdominal cavity, Doppler ultrasonography of arteries and veins, CT, endoscopy) in surgical diseases.	10-15	
5	Evaluation of clinical tests (complete blood count (CBC), general urinalysis) and biochemical blood tests (bilirubin and its fractions, blood proteins, amylase, blood electrolytes, coagulogram, etc.) in a surgical clinic.	30-50	
6	Assistance in dressing: opening of abscesses, primary surgical treatment of wounds, bandaging, pleural puncture and puncture of joints.	2-3	
7	Assistance in dressing room: local anesthesia, suturing and removal of stitches.	1-2	
8	Assistance in the urology office: palpation of the prostate, catheterization of the bladder, cystoscopy.	1-2	
9	Participation in transport immobilization, application of plaster bandages.	1-2	
10	Participation in the diagnosis and provision of emergency care for stab wounds, spontaneous pneumothorax, traumatic shock, bleeding, phlebothrombosis, arterial thrombosis and others.	1-2	

Signature of the Teacher of the Department _____

The Consolidated Digital Progress Report
of the on-the-job internship of the **Pediatrics** (current control)

Student _____ the 5th year of the **medical faculty**
on the basis of _____ city _____

№	List of skills and abilities	Amount of skills	Score in points
1	Examination of healthy and sick children in the clinic	15-20	
2	Duty in the emergency room in the clinic or in the admission department of the hospital	1	
3	Measurement of blood pressure on the arms and legs.	10-15	
4	Evaluation of clinical (complete blood count, urinalysis, feces) and biochemical tests of patients (blood protein and its fractions, acute phase parameters, blood urea and creatinine, electrolytes, glucose, blood bilirubin and its fractions, coagulogram, blood lipid profile), microbiological tests of biological fluids and secretions, polymerase chain reaction, enzyme-linked immunosorbent assay, general analysis of sputum and cerebrospinal fluid.	10-15	
5	ECG analysis.	5-10	
6	Evaluation of echocardiography.	5-10	
7	Evaluation of data of instrumental research methods: X-ray examination of chest and abdominal organs, joints; CT.	10-12	
8	Evaluation of data of ultrasound of the abdominal cavity.	10-12	
9	Emergency care in urgent conditions of children (convulsive and hyperthermic syndrome, collapse, pulmonary edema, bronchospasm, asthmatic status, acute heart failure, infectious-toxic shock, acute renal failure, acute liver failure, acute adrenal insufficiency, complications of vaccination and drug therapy: Quincke's edema, anaphylactic shock, ketoacidotic coma, hypoglycemic coma, bleeding and others).	2-3	

Signature of the Teacher of the Department _____

The Consolidated Digital Progress Report
of the on-the-job internship **in the Women's Consultation** (current control)

Student _____ **the 5th year of the medical faculty**
on the basis of _____ **city** _____

№	List of skills and abilities	Amount of skills	Score in points
1	Examination of pregnant women, determining the timing of pregnancy.	15-20	
2	Examination of gynecological patients.	10-15	
3	Two-handed vaginal examination.	5-10	
4	Examination of the cervix with a gynecological speculum.	5-10	
5	Determination of pelvic size, auscultation of fetal heartbeat.	5-10	
6	Evaluation of the results of clinical tests of blood, urine, secretions.	5-10	
7	Taking vaginal swabs for cytology tests and the degree of purity of the vagina.	10-12	
8	Analysis of ultrasound data of the pelvic organs, breasts, the results of CT of the pelvic organs.	10-12	
9	Analysis of immunological and hormonal tests.	10-15	
10	Provision of emergency care at the pre-hospital stage: uterine bleeding, rupture of the ovarian tumor, ovarian apoplexy and others.	1-2	

Signature of the Teacher of the Department_____

THE CHARACTERISTIC

IMMEDIATE SUPERVISOR

(signature) (Name, Surname)

THE CHIEF OF THE PRACTICE

Seal

(signature) (Name, Surname)

NOTE: While writing a characteristic, the following metrics should be displayed: a level of theoretical training, mastery of practical indicators (skills), knowledge of recipes, and adherence to the basics of deontology and ethics, a student's attitude to mastering practical skills.

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 _____
(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 medical institution)

does not object to the on-the-job internship

_____ (name of 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)

SUMMARY OF THE ON-THE-JOB INTERNSHIP

1. Summary of the internship is carried out in the presence of all reporting documents (diaries approved by the seal of the database, digital reports of performed work, characteristics of the student's production activities during the practice, signed by the immediate and chief supervisor of the database, abstracts).
2. Differentiated credit for the internship is made by students on the last day of the internship from the corresponding cycle, the commission includes the head from the department of the on-the-job internship, heads from departments, and heads from the base of the internship. Credits are accepted at workplaces in basic treatment and prevention facilities, or in the department of internship of the university.
3. The criterion for the quality of the internship is the acquisition of practical skills, abilities, and knowledge provided by the program of the on-the-job internship.
4. The sum of points, ECTS assessment, and assessment according to the national scale of practice shall be entered in the test report by its head from the educational institution.
5. Students pass the general differentiated test on the last day of practice (those students who underwent practice at the place of residence - in the first 10 days of the semester) to the commission, which includes: heads of the practice of responsible departments, chairman of the commission is the head of practice or his deputy.
6. The total number of points, ECTS assessment, and assessment on the national scale of practical training is entered in the student's record book and signed by the chairman of the commission.
7. Students who did not complete the internship program for good reasons are allowed to do the internship in the first two months of the following semester.
8. Students who did not complete the internship program without good reason, or received an unsatisfactory grade and did not eliminate academic debt (within 10 days of the new semester) are expelled from the institution.
9. The results of practice are annually heard and discussed by cyclic commissions, academic councils of the relevant faculties of the educational institution.