

THE PROGRAM OF MEDICAL ON-THE-JOB-INTERNSHIP

4th-year students of the 8th semester as a doctor assistant of therapeutic, surgical, pediatric departments and maternity hospitals

1. BASIC ORGANIZATIONAL PRINCIPLES

Medical on-the-job internship for the 4th year students of the 8th semester of the medical faculty is conducted as a doctor assistant in the hospital, it lasts 4 weeks: 1 week in a therapeutic, surgical, children's, and maternity hospital (department). 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 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 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. FOR THE EFFECTIVE INTERNSHIP STUDENTS MUST

3.1. KNOW:

organization of medical business and work conditions of a doctor at the central district hospital, regional, city and district hospitals, clinical picture and features of the course of the main children's, therapeutic and surgical diseases, the course of normal childbirth and the main violations of the course of childbirth, legal and regulatory documents.

3.2. The main responsibilities and professional actions of a doctor of the therapeutic department at the hospital:

- principles of organization of planned and emergency therapeutic care in Ukraine;
- improvement of the survey and physical examination of patients with major diseases of the respiratory, digestive, hematopoietic organs and endocrine system;
- mastering skills of interpretation of laboratory and instrumental research methods in internal medicine;
- improvement of skills of substantiation and formation of the diagnosis at the basic diseases of respiratory, digestion, hematopoietic organs and endocrine system;
- appointment of treatment, primary and secondary prevention of major diseases of the respiratory, digestive, hematopoietic organs and endocrine system;
- application of the principles of ethics and deontology in the practice of the doctor of the therapeutic department.

3.3. The main responsibilities and professional actions of a doctor of the surgical department at the hospital:

- principles of organization of planned and emergency surgical care in Ukraine;
- improvement of skills of clinical, laboratory and instrumental diagnostics and tactics of treatment of major surgical diseases in the hospital;
- mastering skills of emergency care for urgent surgical diseases;
- application of the principles of ethics and deontology in the practice of a doctor of the surgical department.

3.4. The main responsibilities and professional actions of a doctor of the pediatric department at the hospital:

- principles of organization of planned and emergency care for children in Ukraine, basics of Ukrainian legislation on child health;
- improvement of skills of clinical, laboratory and instrumental diagnostics and tactics of treatment of the basic children's diseases in a children's hospital;
- mastering skills of providing emergency medical care in urgent conditions in children;
- application of the principles of ethics and deontology in the practice of the doctor of the pediatric department.

3.5. The main responsibilities and professional actions of a doctor of the maternity department at the hospital:

- principles of organization of medical care for pregnant women, women in labor and postpartum woman in Ukraine, basics of legislation of Ukraine on maternal and child health;
- improvement of the diagnosis of early and late pregnancy. Participation in the management of physiological childbirth and the postpartum period. Clinical, laboratory-instrumental diagnostics and tactics of treatment of complications of pregnancy, childbirth, postpartum period in the obstetric hospital;
- mastering the skills of emergency medical care in obstetrics;
- application of the principles of ethics and deontology in the practice of the maternity department.

4. LIST OF SKILLS AND PRACTICAL EXPERIENCE OF A DOCTOR OF THE THERAPEUTIC DEPARTMENT

1. Conducting a survey and physical examination of patients with major diseases of the respiratory, digestive, hematopoietic organs and endocrine system.
2. Evaluation of clinical, biochemical and bacteriological studies of blood, urine, feces, sputum.
3. Evaluation of data of instrumental research methods: X-ray examination of chest and abdominal organs, ECG, spirometry, sonography of abdominal organs, fibrogastroduodenoscopy, colonoscopy.
4. Justifying and formulation of clinical diagnosis.
5. Interpretation of general principles of treatment, primary and secondary prevention of major diseases of the respiratory, digestive, hematopoietic organs and endocrine system.
6. Emergency care in emergency situations (conditions) in acute respiratory failure (asthma attack); hepatic colic, diabetic coma, etc.

5. LIST OF SKILLS AND PRACTICAL EXPERIENCE OF A DOCTOR OF THE SURGICAL DEPARTMENT

1. Evaluation of anamnesis data, physical examination: examination of the patient, palpation, percussion, auscultation, rectal examination.
2. Analysis of the results of laboratory and instrumental research (X-rays, ultrasound, CT, fibrogastroduodenoscopy, colonoscopy.)
3. Justifying and formulation of clinical diagnosis, differential diagnosis of diseases of the abdominal cavity.
4. Features of assistance in performing emergency and scheduled operations.
5. Features of assistance in the dressing room: wound care, drainage care, change of bandage, removal of drainages, removal of sutures, wound dilution, surgical treatment of purulent lesions.
6. Providing emergency care for bleeding, septic and hemorrhagic shock, correction of water-electrolyte disorders and acid-base status, etc.

6. LIST OF SKILLS AND PRACTICAL EXPERIENCE OF A DOCTOR OF THE PEDIATRIC DEPARTMENT

1. Ability to examine patients, justify and formulate a diagnosis, write a medical history.
2. Measurement of blood pressure on arms and legs;
3. Evaluation of clinical tests (complete blood count (CBC) in children of different ages, general urinalysis, urine analysis according to Zymnitsky, Nechiporenko, general analysis of feces, general analysis of sputum), biochemical tests (blood protein content and its functions, cholesterol, alanine transaminase, aspartate transaminase, alkaline phosphatase, acute phase proteins, creatinine and blood urea, blood electrolytes, urine analysis for diastase), serological reactions in autoimmune diseases. ECG analysis.
4. Evaluation of fibrogastroduodenoscopy data with pH-metry, urease test results.
5. Evaluation of spirometry, bronchoscopy, echocardiography.
6. Evaluation of X-ray of the chest, digestive system, genitourinary system.
7. Diagnosis and first aid for children with convulsions, hyperthermic syndrome, exicosis and toxicosis in children of the first year of life, dizziness, collapse, pulmonary and laryngeal edema, bronchospasm, asthmatic status, arrhythmia, heart failure, infectious-toxic shock, acute renal and hepatic failure, complications of vaccination and drug therapy (allergic reactions).

7. LIST OF SKILLS AND PRACTICAL EXPERIENCE OF THE DOCTOR OF THE MATERNITY DEPARTMENT

1. External obstetric examination of pregnant women, measurement of pelvic size, determination of the true conjugate.
2. Establishment of the term of pregnancy (according to the anamnesis and objective research), determination of the expected term of childbirth.
3. Determination of gestational age of the fetus and its weight.
4. Features of physiological childbirth.
5. Features of obstetric care in childbirth and the postpartum period.

6. Determining the condition of the newborn on the Apgar scale. Assessment of the condition of the fetus. Primary toilet of the newborn.
7. Registration of medical documentation in obstetrics.
8. Internal obstetric examination in full-term, delayed pregnancy and premature birth.
9. Drawing up a scheme of drug correction of anomalies of labor.
10. Evaluation of amnioscopy, amniocentesis, interpretation of CTG, ultrasound.
11. Features of assistance in obstetric operations.
12. Providing care for emergencies in obstetrics: eclampsia, obstetric bleeding, postpartum septic complications.

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

Surname _____

Name _____

Faculty _____

Course _____

Group _____

Direct Supervisor (from the base)

Chief Supervisor (from the base)

(signature)

Seal

(EXAMPLE)

THE DIARY

of on-the-job internship from the cycle "The Therapy"
of the 4th year students of the 8th semester of the medical faculty
(according to this form the diary of surgery, pediatrics
and work at the maternity department are filled out)

Work Hours	The Content of The Performed Work	Performed Skill
	<p>I was present at the organizational meeting with the chief physician. I received data to characterize the practice base. The city hospital is a multidisciplinary medical institution with 630 beds. The hospital has three departments: general therapy for 70 beds, and serves 90 thousand of people.</p> <p>I was present at the doctor's round, received 4 departments (4 patients) for supervision, conducted a clinical examination, agreed with the doctor who runs the department (summaries of diagnoses, methods of treatment and prescriptions). Example:</p> <p>1. Patient N., 50 years old, D-s: ischemic heart disease: angina pectoris II FC. Postinfarction cardiosclerosis, extrasystolic arrhythmia HF 2B. In favor of this testify: examination Treatment</p> <p>I have been working at the treatment room, helping to conduct duodenal probing.</p>	<p>Examination of 4 patients (survey, examination, blood pressure measurement).</p>

Student's Signature _____

(EXAMPLE)

**The Consolidated Digital Progress Report
of On-The-Job Internship of Internal Medicine (Hospitals)**

№	List of skills and abilities	Amount of skills	Score in points
1	Examination of a patient, substantiation and formulation of clinical diagnosis, registration of case histories.	5	
2	Daily supervision of patients at the hospital.	5-8	
3	Duty at the intensive care unit.	1	
4	Participation in the providing emergency medical care in emergency situations in acute respiratory failure (asthma attack); hepatic colic; diabetic coma, hyperthyroidism, acute adrenal insufficiency.	3-5	
5	Blood pressure measurement	15-30	
6	Evaluation of clinical, biochemical and bacteriological tests of blood, urine, feces, sputum, gastric acid and duodenal content, pH-metry.	20-30	
7	ECG analysis	10-20	
8	Analysis of data on the function of external respiration.	1-3	
9	X-ray data analysis	10-12	
10	Endoscopic data analysis	3-8	
11	Analysis of echocardiography data, ultrasound of the abdominal organs, blood vessels.	15-20	
	Total points		

Signature of the Teacher of the Department _____

(EXAMPLE)

**The Consolidated Digital Progress Report
of On-The-Job Internship of Obstetrics and Gynecology (Hospitals)**

№	List of skills and abilities	Amount of skills	Score in points
1	Daily supervision of women in labor.	5	
2	Examination of pregnant women, women in labor, writing a birth history, drawing up a birth plan.	5-8	
3	Determining the timing of pregnancy	1	
4	Listening a heartbeat of the fetus	3-5	
5	External obstetric examination	15-30	
6	Internal obstetric examination	20-30	
7	Participation in childbirth	10-20	
8	Evaluation of the results of laboratory and instrumental testing of pregnant women and women in labor	1-3	
9	Participation in the performance of the newborn's toilet	10-12	
10	Participation in providing emergency care to pregnant women, childbirth and newborns (pre-eclampsia and eclampsia, postpartum hemorrhage, fetal asphyxia and others.	3-8	
11	Total points		

Signature of the Teacher of the Department _____

(EXAMPLE)

**The Consolidated Digital Progress Report
of On-The-Job Internship of Surgery (Hospitals)**

№	List of skills and abilities	Amount of skills	Score in points
1	Examination of a patient, substantiation and formulation of the clinical diagnosis, registration of case histories.	5	
2	Daily supervision of patients in the hospital.	5-8	
3	Duty at the department on an emergency day or at the intensive care unit, trauma center.	1	
4	Assistance in performing scheduled and emergency operations.	3-5	
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.	15-30	
6	Assistance in dressing room; surgical treatment of the purulent lesion, change of bandages, care of drainages.	20-30	
7	Assistance in dressing room; wound care, removal of stitches.	10-20	
8	Participation in preparing the patient for surgery	1-3	
9	Participation in the diagnosis and provision of emergency care for internal bleeding, septic shock, etc.	10-12	
10	Total points		

Signature of the Teacher of the Department _____

(EXAMPLE)

**The Consolidated Digital Progress Report
of On-The-Job Internship at Pediatrics (Hospitals)**

No	List of skills and abilities	Amount of skills	Score in points
1	Examination of the patient, substantiation and formulation of the clinical diagnosis, registration of case histories.	5	
2	Daily supervision of patients in the hospital.	5-8	
3	Duty at the intensive care unit.	1	
4	Diagnosis and emergency care in children (convulsive and hyperthermic syndromes, exsiccosis and toxicosis in children of the first year of life, dizziness, collapse, bronchospasm, diabetic coma, acute renal, hepatic and adrenal insufficiency, allergic reactions, etc).	3-5	
5	Measurement of blood pressure of arms and legs	15-30	
6	Evaluation of clinical, biochemical, bacteriological, immunological testing of blood, urine, feces, sputum, etc.	20-30	
7	ECG analysis	10-20	
8	Evaluation of fibrogastroduodenoscopy data with pH-metry, colonoscopy, bronchoscopy..	1-3	
9	X-ray data analysis of the chest, digestive and genitourinary systems	10-12	
10	Evaluation of spirometry, echocardiography	3-8	
	Total points		

Signature of the Teacher of the Department_____

THE CHARACTERISTIC

IMMEDIATE SUPERVISOR

(Signature) (Name, Surname)

THE CHIEF OF PRACTICE

Seal

(Signature) (Name, Surname)

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

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

EXAMPLE OF THE APPLICATION OF THE STUDENT

RECTOR of the PHEE "Kyiv Medical university"
Professor IVNEV B.B.

Student _____
(Name, Surname)

_____ faculty, ___ course, ___ group

THE APPLICATION

Please allow on-the-job internship at _____
(name of on-the-job internship)

at the place of residence _____
(name of city, district, region)

"_____" _____ 20__ p. _____
(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 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 on-the-job internship.

Chief Physician _____ (Name, Surname)
Seal (signature)