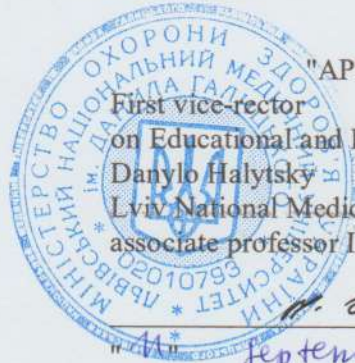


DANYLO HALYTSKY LVIV NATIONAL MEDICAL UNIVERSITY
DEPARTMENT OF SURGERY № 1



"APPROVED"

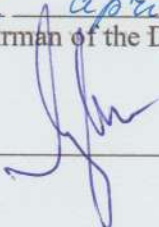
First vice-rector
on Educational and Pedagogical Affairs at
Danylo Halytsky
Lviv National Medical University
associate professor I.I. Solonynko

"11" September 2023

WORK PROGRAM
for Clinical Practical training on "SURGERY" (Choice Block 2.8)
for training of specialists of the second (master's) level of high education
branch of knowledge 22 "Healthcare"
4th-year students of speciality 222 "Medicine"

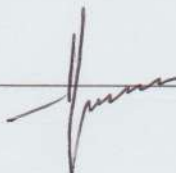
"APPROVED"

at the meeting of the Department of Surgery № 1
meeting report № 15
12 April 2023
Chairman of the Department of Surgery № 1


_____ prof. O.V. Lukavetsky


"APPROVED"

at the meeting of the Surgical Methodological
Commission of Danylo Halytsky Lviv National
Medical University meeting report № 20
27 April 2023
Chief of Surgical Methodological Commission


_____ prof. V.P. Andriushchenko

"APPROVED"

Dean of Faculty of Foreign Students
Danylo Halytsky
Lviv National Medical University
associate professor E.S. Varyvoda


_____ " " 2023

Lviv 2023

DEVELOPED AND APPROVED:

DANYLO HALYTSKY LVIV
NATIONAL MEDICAL UNIVERSITY

DEVELOPERS OF PROGRAMME:

O.V. Lukavetsky, doctor of medical sciences, professor, Chairman of the Department of Surgery №1;

V.I. Kolomyitsev, doctor of medical sciences, professor of the Department of Surgery №1;

T.E. Babjak, candidate of medical sciences, associate professor of the Department of Surgery №1;

V.V. Khomyak, candidate of medical sciences, associate professor of the Department of Surgery №1.

REVIEWER :

I.I. Kobza, doctor of medical sciences, professor, Chairman of the Department of Surgery №2;

V.P. Andryushchenko, doctor of medical sciences, professor, Chairman of Department of General Surgery.

1. Introduction.

Students' practical training in III-IV accreditation educational institutions is an important issue in professional growth and an integral part of the educational process. The program of the clinical practical training of IV year students of higher medical establishments, with III-IV levels of accreditation, is made for speciality "Medicine" 222 the scientific council of Danylo Halytsky Lviv National Medical University record number 8 from 9/16/2015. Studying period is 6 years, first 5 years - clinical training.

Students practice of IV year was prepared in accordance with the following regulations:

- Ukrainian Law "High Education" from 01.07.2014 y. number 1556-VII;
- Guidelines on the students practice of high educational school in Ukraine approved by the ministry of education of Ukraine of 8 April 1993 y. number 93;
- Guideline from Ministry of Health № 179 from 03.10. 1995 "Practical training instruction for students of medical, dental and pharmaceutical faculties of III-IV accreditation levels of High School".

According to Guidelines, medical practice is provided in VIII semester, when students acquire relevant knowledge of basic clinical disciplines: internal medicine, surgery, paediatrics and obstetrics.

Practical training for IV-year students starts after VIII semester is finished and therefore has no classroom lessons. The whole practice time is independent students' work controlled and evaluated by department instructor. During practice students work as doctor assistant in the surgical ward according to professional duties for 1 week.

The clinical bases for practice are Lviv Regional Hospital and Lviv City Hospital № 8. Student activity is supervised by department leaders and instructors from the University. Final control of the knowledge and skills is performed on the last day of the practice period.

Management of the medical practice carried out by the credit system. Assessment of IV-year students is set by multi-scale score which considers the current and final control, with definition on ECTS system and conventional (four-point) scale accepted in Ukraine. According to the MOH ordered in Ukraine from 23.07.2007 №414: IV-year student practice involves 6.0 ECTS credits; hours - 180; assessment - the differential.

Practice on surgery accounts for 6.0 ECTS credits; hours - 180, practice period - 20 days (4 weeks).

Type of practice	Weeks	Credits / Hours	Year of study / VIII semester	Type of control
Doctor's training in the department of surgery	4	6 credits / 180 hours	IV course / VIII semester	Current and final modul control

2. Purpose of medical practice

The main purpose of students' practical training on IV course of medical faculty is to gain knowledge and practical skills in the basis of clinical and theoretical subjects and their further improvement while working in health care settings, and getting acquainted with the doctor in terms of future activities on bases city and regional hospitals, the management of medical and anti-epidemic work with the basis of medical ethics for the acquisition and consolidation of skills and health educational work, the basis of health care.

The aim of the students' practice is to consolidate practical skills within the objectives set in education and vocational training program for specialists in "medicine" 7.110101:

- to conduct questioning and physical examination of patients and analyze their results;
- to manage the scheme of examination depending on the clinical features of the disease;
- to analyze the results of main laboratory and instrumental investigative methods;
- to identify prominent pathological symptoms and syndromes in most common surgical diseases;
- to make a differential diagnosis and to set a preliminary diagnosis of the most common surgical diseases;
- to interpret the general principles of treatment, rehabilitation and prevention of the most common surgical diseases;
- to participate in the providing of emergency medical aid in urgent conditions;
- to perform required medical manipulations;
- to learn deontological principles of medical specialist and principles of professional subordination in the hospital.

The objective of the students practice is the consolidation of knowledge and skills in the study of basic clinical and theoretical subjects (examination, establishment of clinical diagnosis, treatment prescription) and the further improvement of practical skills, introduction with the management of medical work and circumstances in the city and region hospitals and consolidates health education work skills.

3. Program content "Students' medical practice in the surgical department."

Goals:

- to conduct questioning and physical examination of patients and analyze their results;
- to manage the scheme of examination depending on the clinical features of the disease;
- to analyze the results of main laboratory and instrumental investigative methods;
- to identify prominent pathological symptoms and syndromes in most common surgical diseases;
- to make a differential diagnosis and to set a preliminary diagnosis of the most common surgical diseases;

- to interpret the general principles of treatment, rehabilitation and prevention of the most common surgical diseases;
- to participate in the providing of emergency medical aid in urgent conditions;
- to perform required medical manipulations;
- to learn deontological principles of medical specialist and principles of professional subordination in the hospital.

Student should know:

- the management of medical work in surgical department in regional, city and district hospitals;
- clinical presentation and the main features of surgical diseases;
- how to provide routine and emergency surgical care in Ukraine, the basic health legislation in Ukraine.
- how to improve clinical, diagnostic and therapeutic approach to common surgical diseases in a hospital;

IV-year students of medical faculty should be able to:

- collect medical history and perform physical examination;
- to gain the skills of emergency medical care in urgent surgical diseases and all the practical skills that are involved in IV-year student program;
- to evaluate the results of basic laboratory and instrumental studies;
- to prove the diagnosis and prescriptions;
- to participate in operations, especially urgent;
- to follow(note) medical history;
- to apply the principles of ethics in medical practice in surgery.

Competences and results of study, formation of which promotes the discipline - the relationship with the regulatory content of the training of higher education applicants, formulated in terms of learning outcomes in the Standard.

According to demands of standard the discipline provides the acquiring by students the ***competences:***

- *integral:* the ability to solve typical and complex problems and practical problems in the field of professional activity 22 "Health care", which involves the application of certain theoretical knowledge, skills, practical skills and methods of relevant professional orientation;

- *general:*

1. The ability to abstract thinking, analysis and synthesis;
2. The ability to study and to master by modern knowledge;
3. The ability to use knowledge in practical situations;
4. The ability to plan and manage by time;
5. The knowledge and understanding of professional activity;
6. The skills of application of informative and communicative technologies;
7. The ability to adaptation and action in the new situation;
8. The ability to accept the substantiated decisions;

9. The ability to work in the team;
10. The skills of interpersonal interaction;
11. The certainty and persistence about given tasks and taken obligations;
12. The aspiring to saving of environment;
13. The ability to act on principle of ethical rationale (motives);

- special (professional):

1. To call - over of anamnesis in surgical patient;
2. Carrying out of objective research of the surgical patient;
3. The estimation of severity of disease clinical signs;
4. Making of plan of investigation and evaluation their results;
5. Carrying out of differential diagnostics;
6. The providing of care for severe patient;
7. To reveal and estimate an acute medical conditions;
8. Providing of the first medical aid;
9. Providing of basic supporting of life and cardio-pulmonary resuscitation in accordance with modern European recommendations;
10. Treatment of the pain;
11. Administration of adequate treatment;
12. Performing of medical procedures and medical manipulations (determination of the blood pressure, carrying out of vein puncture and catheterization of the veins, application of the means for realization of intravenous transfusion, performing of subcutaneous, intramuscular injections, catheterization of urinary bladder, washing of the stomach, performing of enema;
13. Patients transportation;
14. Carrying out of the donors: blood compounds transfusion;
15. To use a measures of prophylaxis of nascence and spreading of nosocomial infection;

Detailing of competencies according to descriptors of SWU in «Competence Matrix».

Competence Matrix

№	Competence	Knowledge	Abilities	Communication	Autonomy and responsibility
1	2	3	4	5	6
Integral competence					
The ability to solve typical and complex problems and practical problems in the field of professional activity 22 "Health care", which involves the application of certain theoretical knowledge, skills, practical skills and methods of relevant professional orientation, that foresees carrying out of researches and /or implementation of innovation and characterized by complexity and uncertainty of conditions and demands					
General competences					
1	Ability to abstract thinking, analysis and synthesis	To know the kinds of analysis, synthesis and further modern	To be able to carry out an analysis of information, to make reasonable	To establish an appropriate connections for achievement of purposes.	To be responsible for timely acquirement of the modern

		education	decisions, to be able to acquire modern knowledge		knowledge
2	Ability to study and master a modern knowledge.	To know a modern trends of the branch and development and analyzed them.	To be able to carry out an analysis of information, to make reasonable decisions, to be able to acquire modern knowledge	To establish an appropriate connections for achievement of purposes.	To be responsible for timely acquirement of the modern knowledge
3	Ability to use knowledge in practical situations	To have a specialized conceptual knowledge, acquired in process of study	To be able to solve a complex tasks and problems, that arise in professional activity	Understandable and unambiguous report of the own conclusions, knowledge and explanations, that motivate there to specialists and not specialists	To answer for acceptance of decisions in complex conditions
4	Ability to plan and act within the allotted time	To know the principles of planning, to know the requirements about terms of realization one or the other action	To be able to implement gradually yours actions in according to requirements about terms their implementation	To establish an appropriate connections for achievement of the result	To be responsible for appropriate order (sequence) and terms of carrying out of actions
5	Knowledge and understanding of the subject state and understanding of professional activity	To have knowledge of professional activity structure	To be able to implement professional activity, that needs renew a land integration of the knowledge	Ability to form efficiently the communicative strategy in professional activity	To be responsible for professional development, ability to further professional education with high level of autonomy
6	Skills of informative and communicative technologies usage	To have a knowledge in branch of informative and communicative technologies, that use in professional activity	To be able to use informative and communicative technologies in professional branch, that require a renovation and integration of the knowledge	To use informative and communicative technologies in professional activity	To be responsible for development of professional knowledge and abilities.
7	Ability to adaptation and	To know the kinds and	To be able to use the means of the	To establish the appropriate	To be responsible for

	action in the new situation.	methods of adaptation, principles of action in the new situation	self – regulation, to be able to adapt to new situations (circumstances) of life and activity	connections for achievement of result.	timely usage of the self – regulation methods.
8	Facility to make substantiated decision	To know the tactics and strategy of communication, the laws and kinds of communicative behaviour	To be able to make substantiated decision, to choose the ways and strategy of communication for providing of effective command work	To use the strategy of communication and skills of interpersonal interaction	To be responsible for choice and tactics of method of communication that provides making of decision
9	Ability to work in the team.	To know the tactics and strategies of communication, laws and ways of communicative behaviour.	To be able to choose the ways and strategy of communication for providing of effective command work	To use the strategy of communication	To be responsible for choice and tactics of the kind of communication
10	Skills of interpersonal interaction	To know the laws and ways of interpersonal interaction	To be able to choose the ways and strategy of communication for interpersonal interaction	To use the skills of interpersonal interaction	To be responsible for choice and tactics of the kind of communication
11	Certainty and persistence about given tasks and taken obligations	To know the obligations and ways of the given tasks implementation	To be able to determine the aim and tasks to be persistent and honest during implementation of the own obligations	To establish interpersonal connections for effective realization of tasks and obligations	To answer for high – quality implementation of the given tasks
12	Aspiring to saving of environment	To know problems of environment saving and ways of its preservation	To be able to form a requirements to himself and surrounding about saving of environment	To make suggestions to appropriate organs and institutions about measures for saving and protection of environment	To be responsible for implementation of measures of environment preservation in own competence.
13	Ability to work on the base of ethic considering	To know the fundamentals of ethics and deontology	To be able to use ethical and deontological norms and principles in	Ability to bring to the notice of patients, members their families, colleges your own	To be responsible for implementation of ethical and deontological

			professional activity	professional position	norms and principles in professional activity
Special (professional, objective) competences					
1	Call – over of anamnesis in the surgical patient	To know a possible complaints and order (sequence) of call – over of information about disease of patient	To be able to call - over step by step all information concerning disease in according to words of patient	Ability to establish interpersonal connections	To be responsible for implementation of ethical and deontological norms
2	Carrying out of objective examination of the surgical patient	To know the order of usage of objective examination about a patient	To be able to perform all regulated methods of examination in according to order and evaluate received results	Ability to establish a connection with patient during objective examination	To be responsible for correct performing and interpretation of received results during patients objective investigation
3	Evaluation of severity of the clinical signs of disease	To have a knowledge about clinical course of disease	To be able to choose and to use appropriate scale for evaluation of clinical course of disease	To use informative and communicative technologies in professional work	To be responsible for interpretation of received results during evaluation of clinical course of disease
4	Assembling of the plan of patient's examination and evaluation of received results	To have a special knowledge about methods of realization of laboratory and instrumental researches	To be able to analyze the results of laboratory and instrumental methods of investigations	Ability to inform a patient and specialists the conclusions about the list and results of investigations	To be responsible for timeliness of appropriate researches realization and interpretation their results
5	Carrying out of differential diagnosing	To have a knowledge about clinical signs of traumatic injuries, surgical infection and other urgent surgical states	To be able to carry out differential diagnosis between traumatic injuries, to be able to distinguish different infectious surgical diseases and stages of	To form soundly and inform patient and specialists the results of differential diagnostics	To be responsible for timely and correct diagnosis

			their development		
6	Providing of care for severe patient	To have a knowledge of organization of comfort patients stay in department and rules of providing of the vital demands of organism	To have a skills of care for patients in conditions of department, to be able to determine and estimate a general patients state, main parameters of his livelihoods	To form a communicative strategy of contacts with patient, to bring information to appropriate documentation	To be responsible for timely estimation of the patient's condition for timely and correct carrying out of measures for patients care
7	To detect and evaluate the urgent medical states	To have a knowledge about clinical signs and stages of the acute medical states development	To be able to reveal quickly and to diagnose the acute medical states, to be able to organize an appropriate diagnostic program	To use the strategy of communication and skills of interpersonal interaction	To be responsible for timely revealing and estimation of urgent medical state in the patient
8	Providing of the first medical aid	To have a special knowledge about human urgent states; to know the algorithm of the first medical aid providing	To be able to realize the measures of first medical aid gradually and correctly in according to urgent state ,that arose	To use the strategy of communication and skills of interpersonal interaction	To be responsible for right and sequence (order) providing of the first medical aid
9	Providing of the base life support and cardio – pulmonary resuscitation	To have a specialized knowledge about terminal states, their clinical signs	To be able to carry out quickly diagnostics of terminal state, clinical death. To be able to carry out the measures of elementary life supporting	To use the strategy of communication and skills of interpersonal interaction	To be responsible for timely revealing of the terminal condition, for rightness of realization of measures for elementary support of life
10	Diagnose the acute appendicitis	To know aetiology, pathogenesis, and clinical features of appendicitis.	To be able to evaluate the rebound tenderness, Rowzing's, Sitkovsky's, Coup's signs	To use a strategy of communication and skills of interaction with patient under urgent condition	To be responsible for timeliness and rightness of application of appropriate measures in diagnosis and treatment
11	Diagnose the acute	To know aetiology,	To be able to evaluate the	To use a strategy of communication	To be responsible for

	cholecystitis	pathogenesis, and clinical features of cholecystitis.	Ortner's, Merphy's, Kehr's, and "phrenicus" signs in cholecystitis	and skills of interaction with patient under urgent condition	timeliness and rightness of application of appropriate measures in diagnosis and treatment
12	Diagnose the acute pancreatitis	To know aetiology, pathogenesis, and clinical features of pancreatitis.	To be able to evaluate the Körte's, Mayo-Robson's, Mondorr's, Halsted's, Gray-Turner's, and Cullen's signs in pancreatitis	To use a strategy of communication and skills of interaction with patient under urgent condition	To be responsible for timeliness and rightness of application of appropriate measures in diagnosis and treatment
13	Diagnose the acute intestinal obstruction	To know aetiology, pathogenesis, and clinical features of intestinal obstruction.	To be able to evaluate the signs of intestinal obstruction and choose the appropriate treatment	To use a strategy of communication and skills of interaction with patient under urgent condition	To be responsible for timeliness and rightness of application of appropriate measures in diagnosis and treatment
14	Temporary haemostasis in external bleeding	To have a special knowledge of anatomy and physiology of veins and arteries on the neck, limbs, and body	To be able to choose and apply the appropriate method of temporary haemostasis	To use a strategy of communication and skills of interaction with patient under urgent condition	To be responsible for timeliness and rightness of application of appropriate measures in treatment of patient
15	Providing of adequate treatment	To have a special knowledge of algorithms and schemes of treatment of traumatic injuries and surgical infection	To be able to choose the necessity of complex of medical measures depending of pathologic condition	To form soundly and inform the patient and specialists about conclusions for appropriate complex of patients treatment. To be able to note administrations in medical documentation	To be responsible for timely and correctness of choice of medical program for patient with traumatic injury, surgical infection
16	Carrying out of medical manipulations and procedures	Knowledge of algorithms of medical procedures and manipulations performing:	To be able to carry out the medical procedure or to perform medical	To form substantiated and inform to patients the conclusions about necessity of implementation	To be responsible for quality of performing the one or the other

		determination of the blood pressure, vein puncture, catheterization of vein, intravenous transfusion, subcutaneous & intramuscular injections, catheterization of urinary bladder, washing of stomach with tube, applying of enema, shaving of operational field	manipulation in according to algorithm	one or the other medical procedure or manipulation	medical procedure or manipulation
17	Transportation of severe patient	To have a knowledge about means and kinds of the patient transportation	To be able to estimate the possibility of the patients transportation and to choose the adequate means for this purpose	To use the strategy of communication and skills of interpersonal interaction	To be responsible for rightness of estimation of patients transportations possibility and choice of means for transportation
18	Realization of transfusion of the donor's blood compounds	To have a special knowledge of the blood physiology. To know the algorithm of realization of tests on compatibility during hemotransfusion of the blood preparations	To be able to perform the tests on compatibility before blood transfusion (preparation of blood). To be able to implement process of hemotransfusion	To use the strategy of communication and skills of interpersonal interaction. Filling of appropriate medical documentation	To be responsible for rightness of performing the tests on compatibility before hemotransfusion, and performing of really blood preparation transfusion

The program of practical training:

”Students’ medical practice in the surgical department.”

№ з/п	The program content	Days
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1.	The principles of providing elective and emergency surgical care in Ukraine. Mastering the principles of ethics and ethics in medical practice surgical department of a hospital.	1-4
2.	Clinical, laboratory and instrumental diagnostics and treatment in patients in emergency abdominal surgery.	5-8
3.	Clinical, laboratory and instrumental diagnostics and treatment in a elective abdominal surgery.	9-12
4.	Providing emergency support in urgent surgical diseases.	13-16
5	Providing routine surgical care in hospital. Final control.	17-20
	Total days Credits ECTS: 6,0	20

Topic 1. Principles of management and provision of elective and emergency surgical care in Ukraine. Principles of ethics in medical practice surgical department of a hospital.

Patient's examination in the emergency surgical department. First aid and management of patients with emergent conditions. Symptoms and syndromes in clinical and basic urgent and elective surgical diseases:

acute appendicitis, acute cholecystitis with complications, pancreatitis, complicated and uncomplicated hernia, complications of gastric ulcer and duodenal ulcer, acute visceral ischemia, bowel obstruction.

Ethics in the practice in surgical department of a hospital.

Topic 2. Clinical, laboratory and instrumental investigations and treatment in patients with emergency abdominal surgery.

Required minimum of laboratory investigations in common emergency surgical diseases involves list in accordance with the clinical protocol, approved by the Ministry of Health of Ukraine №271 from 13.06.2005.

Methods of laboratory tests in patients with common urgent surgical diseases: acute appendicitis, acute cholecystitis with complications, pancreatitis, complicated and hernia, complications of gastric ulcer and duodenal ulcer, mesenterial thrombosis, intestinal obstruction, peritonitis. Interpretation of the test results. Treatment management. Indications for surgical interventions in emergency surgery.

Topic 3. Clinical, laboratory and instrumental investigations and treatment in patients with elective abdominal surgery.

Required minimum of laboratory investigations in common emergency surgical diseases involves list in accordance with the clinical protocol, approved by the Ministry of Health of Ukraine №271 from 13.06.2005.

Instrumental examinations of patients with common elective surgical diseases: chronic cholecystitis with complications, jaundice, chronic pancreatitis, hernia of the abdominal wall, gastric ulcer and duodenal ulcer with piloroduodenal stenosis, liver cirrhosis with portal hypertension, goiter, colitis, colon tumours . Interpretation of the survey results.

Topic 4. Emergency medical care in urgent surgical diseases.

Treatment of patients with urgent conditions. Indications for surgery. Operative technique in emergency surgical pathology. Preparation of patients before the surgery. Methods of surgical treatment of common acute surgical diseases: acute appendicitis, acute cholecystitis with complications, pancreatitis, incarcerated hernia, perforated gastric ulcer and duodenal ulcers, gastrointestinal bleeding, thrombosis mesenterial, intestinal obstruction, peritonitis. Postoperative management of patients.

Topic 5. Elective surgical care in hospital. Final control.

Indications for surgical intervention in patients with elective surgical pathology. The operation of choice, preparing patients for surgery. Methods of surgical treatment for common elective surgical diseases: abdominal hernia, chronic calculous cholecystitis, peptic ulcer and duodenal ulcers, haemorrhoids.

Demonstration of practical skills and professional skills at the bedside in the ward. Writing tests.

IV. The list of practical and professional skills for the evaluation in practical training:

”Students’ medical practice in the surgical department.”

№	Skills	Recommended mark	D-r’s Signature
1.	Determination and evaluation of rebound tenderness	3-5	
2.	Determination and evaluation of Rovsing’s and Voskresensky’s signs in appendicitis	3-5	
3.	Preparation of patient to surgery	3-5	
4.	Assistance in laparoscopic and opened surgical operations	3-5	
5.	Work in dressing room: Bandaging wounds after operations	3-5	
6.	Work in dressing room: Bandaging wounds and stitches remove	3-5	
7.	Bandaging and surgical drainage of the wound	3-5	
8.	Stomach lavage	3-5	
9.	Cleaning and siphon enema	3-5	
10.	Catheterisation of urinary bladder in men and women	3-5	
11.	Determination and evaluation of Kehr’s, Murphy’s, Ortner’s, and “phrenicus” signs in cholecystitis	3-5	
12.	Determination and evaluation of Körte’s, Mayo-Robson’s,	3-5	

	Mondorr's, Halsted's, Gray-Turner's, and Cullen's signs in pancreatitis		
13.	Determination and evaluation of signs of intestinal obstruction	3-5	
14.	X-ray examination of stomach and bowel with barium and interpretation	3-5	
15.	Determination of "cough" sign in abdominal hernia	3-5	
16.	Digital examination of external ring of inguinal canal	3-5	
17.	Palpation of hernia gate, determination of hernia contents	3-5	
18.	Fill in the medical case report	3-5	
19.	Interpretation of biochemical tests of blood (bilirubin, amylase, electrolytes, coagulogram, etc.) in surgical practice	3-5	
20.	Assistance and catheterisation of central veins	3-5	
21.	Rectal examination	3-5	
22.	Determination of blood group, Rh, tests on blood compatibility	3-5	
23.	Determination of central venous blood pressure	3-5	
24.	Temporary haemostasis in external bleeding	3-5	
	Total		72-120

- Practical and professional skills are noted in the diary practice. Final results are displayed digitally in the consolidated statement of practical training in the department and in representative medical facilities.

- Skills are evaluated in a 4-point scale: 0-3-4-5.

DAILY REPORTS ON CLINICAL PRACTICE IN THE DEPARTMENT OF SURGERY *(an example)*

Student _____ Year _____ Group _____

Practice period: from _____ 201__ till _____ 201__.

Hospital _____ City _____

Supervisor _____

(sign, seal)

Head doctor _____

(sign, seal)

Date, time	Content of work	Skills
8.00-8.30	Was present on the morning conference. The doctor on duty reported about the admitted patients (three with chronic calculous cholecystitis, one with a hernia, two with phlegmones, one with appendicitis – was	

	urgently operated on), in addition reported about the patients with a severe state and those that deserve special attention; comments about the duty.	
8.30-10.00	<p>A new patient was admitted for treatment – Last name F. M., age, profession. Upon admission, complains of dull and aching pain in the right subcostal area, paroxysms of acute pain with nausea, vomiting, increased body temperature to 38.2° C. Duration of illness is three years. Paroxysms are associated with improper diet. Earlier was investigated and treated at therapeutics. US revealed stones in the gallbladder. No jaundice was present.</p> <p>Objective: <i>(in a compressed for compile the main results of patients observation, palpation, auscultation, the appearance of specialized symptoms).</i></p> <p>The grounds of diagnosis: Based on the patient’s complaints (list complaints), anamnesis morbid (main information regarding the illness), the results of previous investigations (provide concrete results) a diagnosis of chronic calculous cholecystitis could be established. For the additional investigation and preparation of the patient for surgery it is necessary to..... <i>(provided a concrete plan).</i></p> <p>Indications to surgery. <i>It is necessary to state on which grounds the surgical performance is needed for the patient, state the method of anaesthesia, approach for the surgical performance, specialized features and volume of the surgery in the particular patient, risks in case of complications, prophylactic of surgery; blood group, Rh factor, information about informed consent for the surgery from the patient.</i></p>	
10.00-13.30	<p>Curation of the previous patients. Patient, three days after operation due to umbilical hernia. Sleep and appetite satisfactory. Independently passes gases. Body temperature – 37.1° C. Bandaging: good wound healing, no oedema.</p> <p>Patient with diffused toxic goitre. Performed EchoCG (sinus rhythm with HR - 115 b/min.; ischemic changes in the posterior wall of the left ventricle); ultrasound of the thyroid gland (thyroid gland symmetrically enlarged to the III stage, without knots). The patient is being prepared for the surgery, receives tiamazol, metaprolol, phenazepam, Lugol’s solution in accordance with protocol. The state of the patients is improving gradually.</p>	
13.30-15.00	<p>Assisted in appendectomy (Patient, 23 years old; diagnosis – acute phlegmonous appendicitis). Appendix removed antegradely; stump was closed with a pursestring stitch; abdominal cavity permanently sutured.</p> <p>In one day: Observed six patients, rebadged three patients, assisted in one operation; defined the blood group of two patients, etc.</p>	

Students signature and the corresponding doctor.

The given example of filling out the daily record could be changed, depending on the type of hospital, diagnosis of the patient, organization of the diagnostic-treatment measures in the department. However, the daily record must provide the complete picture about the work of the student in the department.

At the end of the daily record from the cycle “Surgery”, the patients visited by the students are listed with the appropriate diagnosis alongside practical skills that the student acquired.

4. Forms of control

Forms of control and evaluation system is carried out according to Regulation on the practical training of students of Danylo Halytsky Lviv National Medical University, Approved with the Scientific Council of Danylo Halytsky Lviv National Medical University on 16.09.2015 report №8-BP.

Mark for the Practical training is defined as the sum of the scores of practical skills performance (in points) and assessment of the final differentiated credit (in points), which is calculated on the basis of assessment of theoretical knowledge, practical skills and professional abilities, according to the lists specified by discipline program.

Maximum points awarded to student during each module (examination credit) equals 200 points, including: practical skills – from minimal required 72 points to maximal 120 points (60%), results of the differentiated credit – from minimal required 50 points to maximal 80 points (40%).

Maximal amount that can be collected by student during Practical training is 120 points.

Final module control:

Final module control is carried out on completion of all topics at the last class in module.

Students, who completed all types of work provided by discipline program and scored amount of points not less than the minimum, allowed for final testing.

Conversion of points of discipline in rating on a scale ECTS and a four-points scale (traditional):

The number of points of the discipline, which accrued student, converted to ECTS scale as follows:

Mark ECTS	Statistical index
A	Best 10% of students
B	Next 25% of students
C	Next 30% of students
D	Next 25% of students
E	Last 10% of students

The number of points for the discipline should be converted to a four-point scale by absolute criteria as explained in the table below:

Points for discipline	Mark according to four-point scale
From 170 to 200 points	excellent (5)
From 140 to 169 points	good (4)
From 122 to 139 points	satisfactory (3)
121 and less	unsatisfactory (2)

Evaluation of ECTS in traditional is not converted as ECTS scale and four-point scale are independent.

During the clinical practical training, a student is personally responsible for the assigned task and its results, he/she as well as staff (doctors and other medical workers)

must fully understand the legal significance of their actions and prevent any violations. During practice the student is subject to internal labour regulations in the hospital. Student-trainees, such as assistant physicians, should know that violations of labour and educational discipline lead to disciplinary responsibility. Student should be aware that there are a number of professional offenses for which the law anticipates criminal liability.

The final module of clinical practical training takes place on the last day after its termination or on the first week of the IX semester, if a student conducted practice abroad. The control of the modules is performed by teachers of professional departments.

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