

PATIENT CARE (SURGERY)

(title of the educational component)

Speciality: **222 «Medicine»**Educational and professional program: **Medicine**Component code in the educational program: **MC 19**Higher education level: **second (master's degree)**Form of education: **full-time**Year of study: **2**Semester(s): **autumn or spring**Type of educational component: **mandatory**Academic year: **2025-2026**Volume: **1 credits ECTS (30 hours)**Training sessions: **practical classes**Final control: **Graded credit**Prerequisites: **biology course of a general secondary school**

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Educational component page in the KhNMU Distance Learning System (Moodle):

<https://distance.knmu.edu.ua/course/index.php?categoryid=933>

(link to the educational component page in the KhNMU Distance Learning System)

DESCRIPTION OF THE EDUCATIONAL COMPONENT

Care for patients is the first clinical discipline, during the study of which the student is introduced to the work of inpatient medical institutions, the first contact with patients, the formation of moral and ethical foundations of further professional behavior. The educational discipline " Care for patients " involves the study of hygienic, preventive and therapeutic measures that are within the competence of junior and partly middle medical personnel and are used to create comfortable conditions for the patient's stay in a medical institution, promote the patient's speedy recovery, prevent the development of complications, as well as master the simplest manipulations of providing first aid in emergency conditions. The assimilation of the material is based on a consistent familiarization with the features of the implementation of the specified scope of actions in the work of therapeutic, surgical and pediatric departments of hospitals.

PURPOSE OF THE COURSE:

- mastering systematized knowledge on organizing patient care in a hospital and outpatient setting;
- formation of practical skills and abilities of junior medical staff necessary to ensure comfortable conditions for patients, monitor their condition, and provide assistance in meeting physiological needs;



- mastering the principles of asepsis, antiseptics and sanitary and hygienic regime of medical and preventive institutions;
- mastering knowledge about caring for patients after operations, with serious and infectious diseases, as well as preventing complications associated with a long stay in the hospital;
- developing an understanding of the role of care in the treatment process and preparing patients for diagnostic and treatment procedures;
- mastering the skills of monitoring vital signs, caring for seriously ill patients, patients with disabilities and in terminal conditions;
- formation of professional qualities, moral, ethical and deontological principles of a medical worker when communicating with patients and their relatives.

LEARNING OUTCOMES:

- mastering the basics of organizing the work of middle and junior medical staff in a hospital;
- mastering the skills of sanitary and hygienic care for patients, including changing bedding, skin hygiene, oral hygiene, and prevention of bedsores;
- acquiring skills to observe the general condition of patients, measure body temperature, pulse, blood pressure, respiratory rate, and record the results in medical documentation;
- learning the rules for organizing the diet, drinking regimen and monitoring the functions of the patient's excretory system;
- mastering the skills of preparing patients for examinations, diagnostic procedures and surgical interventions, and care in the postoperative period;
- acquiring practical skills in performing simple medical manipulations - measuring temperature, pulse, blood pressure, administering enemas, washing, feeding seriously ill patients, caring for drains, catheters, stomas;
- mastering the rules for handling dressings, knowledge of types of bandages and the technique of applying them;
- mastering the basics of preventing hospital-acquired infections, rules of work in the dressing room, operating room, and sterilization room;
- mastering first aid algorithms for emergency conditions (bleeding, shock, cardiac arrest, fainting, burns, frostbite, etc.);
- formation of moral and ethical, communicative and deontological skills in professional communication with patients and medical staff.

CONTENT OF THE EDUCATIONAL COMPONENT

List of topics of practical classes (6 hours):

1. Introduction to surgery. Organization and hygiene of work in a surgical hospital. Organization of work in a clean dressing room. Desmurgia, dressing material, typical

bandages. Care of patients operated on the abdominal organs, perineum, limbs. Bandages on the abdomen, perineum, limbs.

2. Antiseptics and antiseptics. Care of patients with purulent pathology. Sterilization of dressings and operating linen. Organization of work in the operating room. Surgical treatment of the surgeon's hands and the operating field.

3. Surgical operation, preparation of patients for operations. Care of patients in the postoperative period. Differentiated credit.

List of topics of independent work of the student (24 hours)

1. Desmurgy and the technique of applying bandages for injuries of various anatomical areas

Organization of care for surgical patients after operations on the abdominal organs and extremities

2. Sterilization and disinfection methods in surgical units: effectiveness analysis and quality control

Antiseptic treatment of the operating field and the surgeon's hands: technique and prevention of infectious complications

3. Preoperative preparation of the patient and choice of pain relief methods for surgical interventions

Preparation for differentiated assessment.

The CTS is aimed at deepening and consolidating the theoretical knowledge gained during classroom training and contribute to the formation of professional competencies. The results of the VTS are subject to control and are included in the final knowledge control.

Consultations: *online, with prior registration on the course page in the Distance Learning System course learning.*

Teaching methods: lectures; practical classes, business games, student reports, modeling problem situations, solving situational and practical tasks, as well as independent work of higher education students with information sources.

During the study of the educational component, all activities of higher education applicants are subject to control, both current (at each lesson) and final (during control events).

EVALUATION

Current Learning Activities (CLA). The assessment of students' academic performance is carried out in accordance with the Regulations on the Assessment of Academic Performance of Higher Education Students at KhNMU (<https://knmu.edu.ua/documents/normatyvni-dokumenty-navchalnogo-proczesu/>). The grade for a practical or module test session ranges from 2 to 5 points. Late submission of assignments for non-valid reasons will result in a grade reduction proportional to the delay time. Assignments are graded within 24 hours. Grades are recorded in the electronic register. Unsatisfactory grades are retaken in accordance with the Regulations on the Procedure for Retaking Academic Classes by KhNMU Students

https://knmu.edu.ua/wp-content/uploads/2021/05/polog_vidprac_zaniat.pdf). At the end of the semester, the average semester grade is converted into a multi-point score (70-120 points) according to Table 1 of the Assessment Regulations (see above). The arithmetic mean of the CAP for both semesters constitutes the Total Academic Performance (TAP).

Individual tasks (IT) Individual student assignments (hereinafter referred to as ISA) are not a mandatory element, but if desired, they can be completed and assessed in ECTS credits (no more than 10), which are added to the total number of credits earned for current academic activities. At a department meeting, a list of individual assignments (participation with reports in student conferences, specialized competitions, preparation of analytical reviews with presentations checked for plagiarism) was approved, with the number of points for their completion, which can be added as incentives (no more than 10).

Final control. A prerequisite for admission to the graded credit (GC) is earning 70 points for TAP. The graded credit grade ranges from 50 to 80 points.

Grade in subject (GS). $GS = TAP + IA + GC$.

Appealing the results of the final control is carried out in accordance with the procedure established in KhNMU (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_apel_kontrol.pdf).

POLICIES OF THE EDUCATIONAL COMPONENT

Recommendations for working on the course: Actively participate in all forms of class activities, dedicate 1-2 hours daily to independent study and preparation for classes, ask questions during classes, attend consultations, submit assignments on time, and complete all forms of assessment.

Attending classes. Attendance at lectures and practical classes is mandatory. The dress code for in-person classes is a white medical coat. If you are more than 5 minutes late, you may not be admitted to the class. Missed classes are made up in accordance with the Regulations on the Procedure for Retaking Academic Classes by KhNMU Students (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_vidprac_zaniat.pdf).

Academic Integrity. KhNMU maintains a zero-tolerance policy towards any manifestation of academic dishonesty. Any violation of academic integrity principles will result in disciplinary action as established by KhNMU (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_ad-1.pdf).

Use of electronic gadgets and artificial intelligence tools. is permitted only with the instructor's permission.

Policy on persons with special educational needs. Students with special educational needs should contact the instructor to develop an individual educational trajectory.

Teacher Response Time: 24 hours.

Technical Requirements for the Course:

- Access to a computer, laptop, tablet, or smartphone
- A corporate Google account with your own photo
- Proficiency with Google Workspace (Google Meet, Docs, Sheets, Slides, Forms) and Moodle

Technical Support: ACS (ev.shevtsov@knmu.edu.ua), Google (tehotdelknmu@gmail.com), Moodle (al.korol@knmu.edu.ua)

RECOMMENDED SOURCES

Basic

1. Patient Care (Practice): Textbook / edited by O. M. Kovaleva, V. M. Lisovoi, S. I. Shevchenko, T. V. Frolova and others. — Kyiv: Medical Publishing House, 2023. — 512 p.
2. Patient care and medical manipulation techniques: a textbook / L. M. Kovalchuk, O. V. Kononov, L. S. Savka and others. — Kyiv: Medicine, 2022. — 480 p.
3. General care for patients: textbook / Kasevich N. M., Litvinenko V. I. — Kyiv: Publishing House "Medicina", 2021. — 450 p.
4. Lewis's Medical Surgical Nursing, 12th Ed. / Mariann M. Harding, Jeffrey Kwong, Debra Hagler, Courtney Reinisch. — Elsevier, 2022. — 1824 p.
5. Brunner & Suddarth's Textbook of Medical Surgical Nursing, 15th Ed./Janice L. Hinkle, Kerry H. Cheever, Kristen J. Overbaugh.— Wolters Kluwer, 2021.—2352 p.

Auxiliary

1. Care for surgical patients: educational and methodological manual / I. A. Shumeiko, O. V. Ligonenko, I. O. Chorna and others. — Poltava: Poltava Publishing House, 2023. — 320 p.
2. Medical care for seriously ill and postoperative patients: a textbook / S. G. Shapoval. — Kyiv: Medicine, 2024. — 384 p.
3. EORNA Best Practice for Perioperative Care – Edition 2023. — European Operating Room Nurses Association (EORNA), 2023. — 600 p.
4. Oxford Handbook of Surgical Nursing / ed. Rosie Pudner. — Oxford University Press, 2023. — 450 p.
5. Schwartz's Principles of Surgery, 12th Ed. / ed. Seymour I. Schwartz. — McGraw Hill Education, 2022. — 2000 p.

Information resources

Regulations on the prevention, warning and settlement of cases related to sexual harassment and discrimination at KNMU — Order of KNMU No. 305 dated 08/27/2019. https://knmu.edu.ua/wp-content/uploads/2021/05/polog_sex.pdf?utm_source=chatgpt.com

Regulations on the organization of inclusive support of the educational process at KNMU - approved in 2024. https://knmu.edu.ua/wp-content/uploads/2024/02/polog_org_incl-suprov.pdf?utm_source=chatgpt.com



Regulations on the organization of inclusive education at KNMU - on the organization of education for applicants with special educational needs. https://knmu.edu.ua/wp-content/uploads/2021/12/proekt_polog_inkl_navch.pdf?utm_source=chatgpt.com

Regulations on academic integrity and ethics of academic relations at KNMU https://knmu.edu.ua/wp-content/uploads/2022/01/polog_ad.pdf?utm_source=chatgpt.com.

Regulations on the Commission on Academic Integrity, Ethics, and Conflict Management of KhNMU https://knmu.edu.ua/wp-content/uploads/2021/11/pol_komis_ad.pdf?utm_source=chatgpt.com

The procedure for conducting classes for in-depth study by students of individual disciplines beyond the scope of the curriculum https://knmu.edu.ua/wp-content/uploads/2021/05/poriad_pogl-vyv_dysc.pdf?utm_source=chatgpt.com.

Head of Department, Professor _____ (*signature*) Vitaliy MAKAROV