

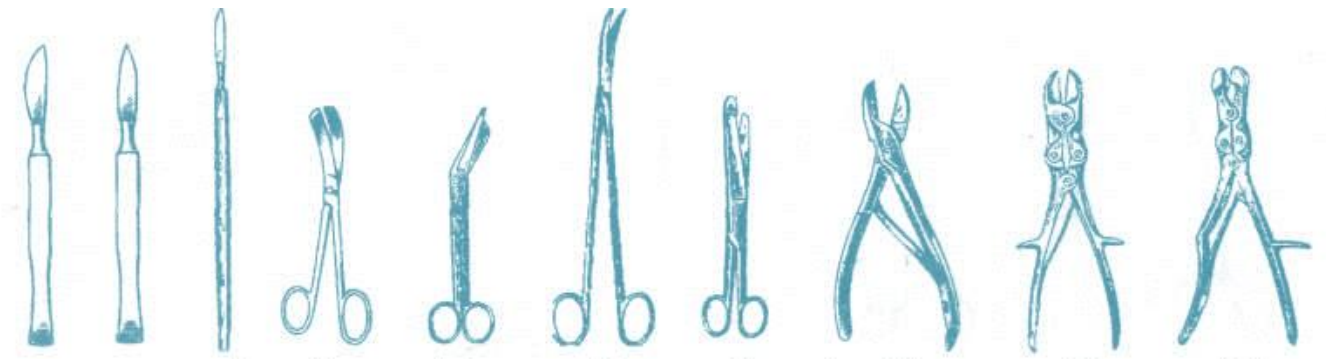
V. N. Karazin Kharkiv National University



School of Medicine



Department of Surgical Diseases



GENERAL INFORMATION

Today the Department of Surgical Diseases is one of the leading in Ukraine in its profile, due to high personnel qualification, using of innovative approaches in educational works and relevant scientific research. The Department is a graduating department on training in the specialty 7.12010001 "Medicine case".

DEPARTMENT'S HISTORY

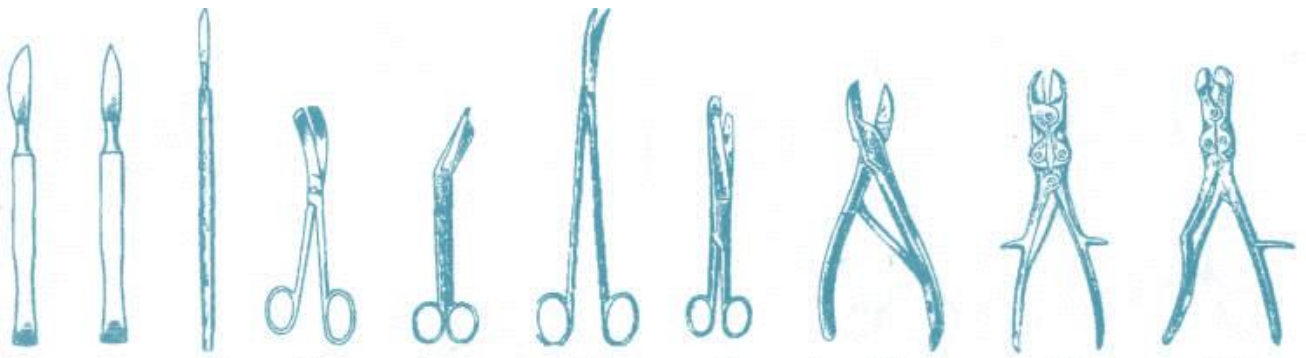
One of the first in the School of Fundamental Medicine was established the Department of surgical diseases. The date of its birth should be considered on

February 23, 1994, when the order of University was issued on the establishment of the Department with a staff of four employees. The Department was headed by Doctor of Medicine, professor Eugene D. Khvorostov. Currently, the staff of the Department has increased several times. All members of the Department have Academic Degrees of Candidates and Doctors of Medicine.

An integral part of the Department is a scientific and methodical activity. The results were published in a large number of journal articles, monographs, and guidelines for doctors and students, invention patents.

Lots of candidate and doctoral theses were successfully passed at the Department. Main research topic of the Department "New Technologies in Surgical Gastroenterology."

According to the main research topics, the following research works are carried out: "Development of minimally invasive surgeries with low temperatures in the treatment of patients with cholelithiasis and gastric ulcer and duodenal ulcer", "New technologies in treatment of diabetes and its complications," "Comprehensive treatment of colon and rectum cancer", "The study of physical methods of action and



morphological and functional state of blood vessels, tissues, stomach, small and large intestines in their dissection and coagulation in surgery of the digestive tract", "Development of minimally invasive treatment of liquid formations of organs of parenchyma and abdominal cavity in a planned and emergency surgery".

Staff of the Department are active members of many Ukrainian and international associations.

There are disciplines for students that are taught in the department: "General Surgery", "Surgical Diseases", "Vascular Surgery", "Oncology", "Pediatric Surgery", "Urology", "Traumatology and orthopedics", "Ophthalmology", "Anesthesiology", "Emergencies", "Military surgery", "ENT diseases."

Students improve their knowledge on surgery in the surgical circle, speaking at conferences of different levels, winning prizes.

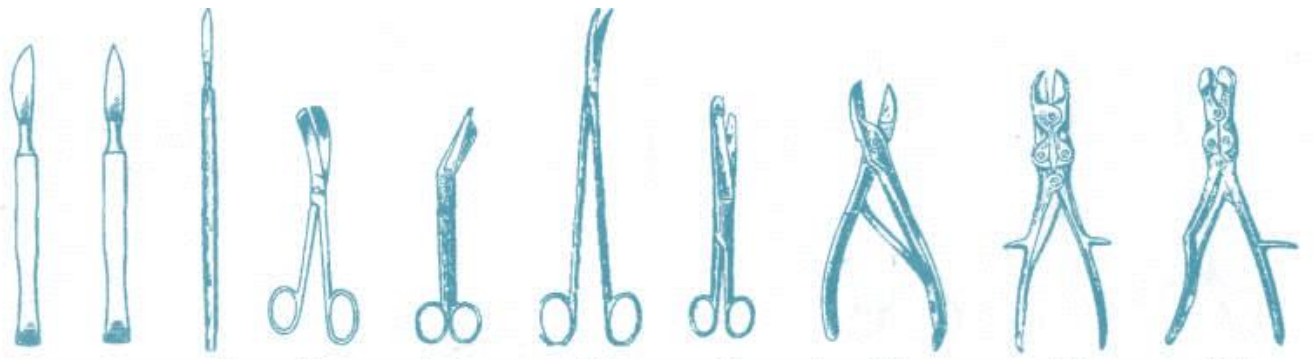
The training process uses clinical and diagnostic departments of clinical base, which is the Railway Clinical Hospital of Station Kharkiv of South Railways.

DEPARTMENT'S LOGISTIC

Logistical support of activities of the department is on the highest level and fully complies with international standards.

Lectures are held in one lecture hall equipped with multimedia systems and computers connected to the University network and the Internet.

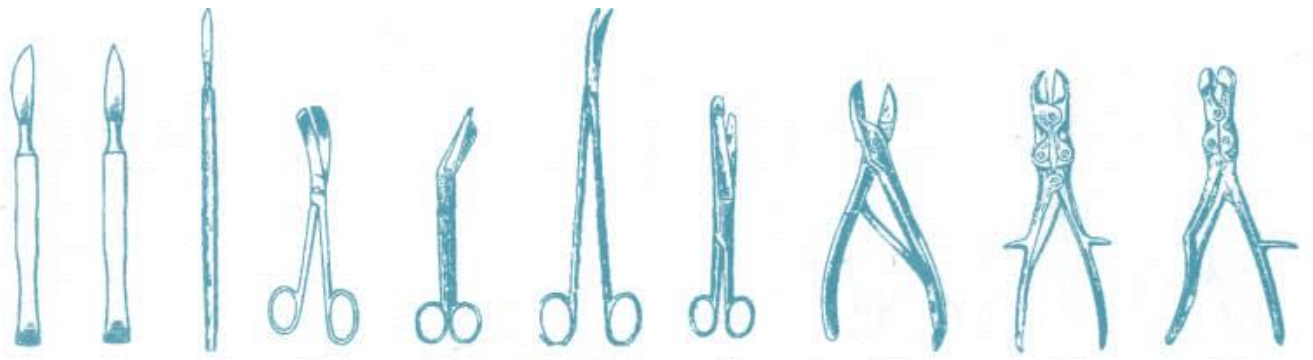
For practical, laboratory and seminar classes at the disposal of the department, there are 14 classrooms, which are equipped with multimedia systems, personal computers with access to the internal network of the University and the Internet, video and television equipment necessary mock-ups, models and demonstration materials.



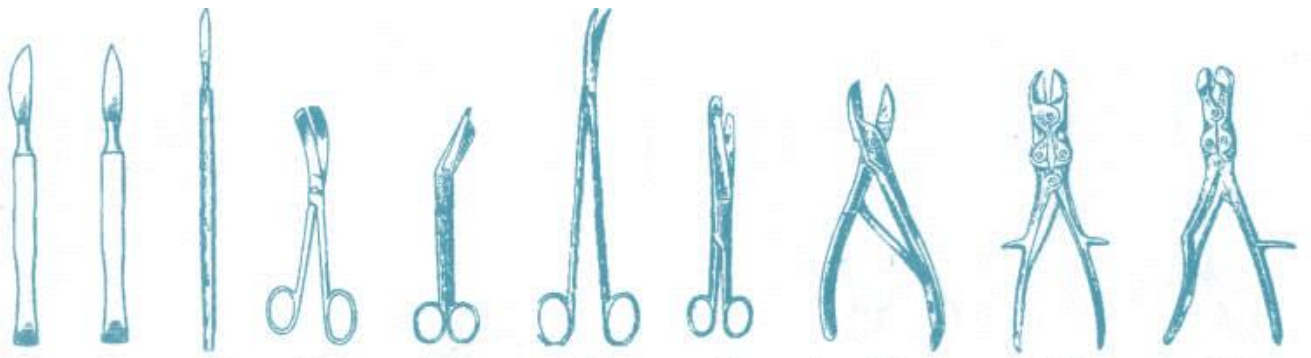
Carrying out of training sessions on the disciplines of the Department accompanied with the use and application of videoendokomplex MBT-ЭФ; simulator-phantom "Maxim 111-01"; Phantoms for bladder catheterization and performance of i/m injections; simulators for practicing suturing skills and executting of i/v and s/c injection; moulages for treatment of burns in the educational process.

HEAD OF THE DEPARTMENT

The Head of the Department of Surgical Diseases is Doctor of Medicine, Professor Eugene D. Khvorostov, which is known in Ukraine and abroad as an expert in the field of surgery, minimally invasive endoscopic surgery, surgical gastroenterology, cryosurgery and Cryomedicine.



In 1962, he graduated from the School of Medicine of the Kharkiv Medical Institute in specialty "Medical case". From 1962 to 1967 he was working as a surgeon at the beginning, and then as the Head of the surgical department of a hospital in the Komsomolets village, Kostanay Region. From 1967 to 1969, he was working as a surgeon in Clinical Hospital № 40 of the city of Kharkiv. In 1969, he was appointed as a postgraduate of the Department of General Surgery of the Kharkiv Medical Institute, from which he graduated in 1972 and enlisted in the position of surgeon of emergency room of the abdominal cavity of the Kharkiv Scientific and Research Institute of General and Emergency Surgery. In 1973, he defended his thesis "Functional state of sympathetic and adrenal system and protein metabolism during parenteral nutrition in patients with peptic ulcer disease due to resection of the stomach." In 1974, he was



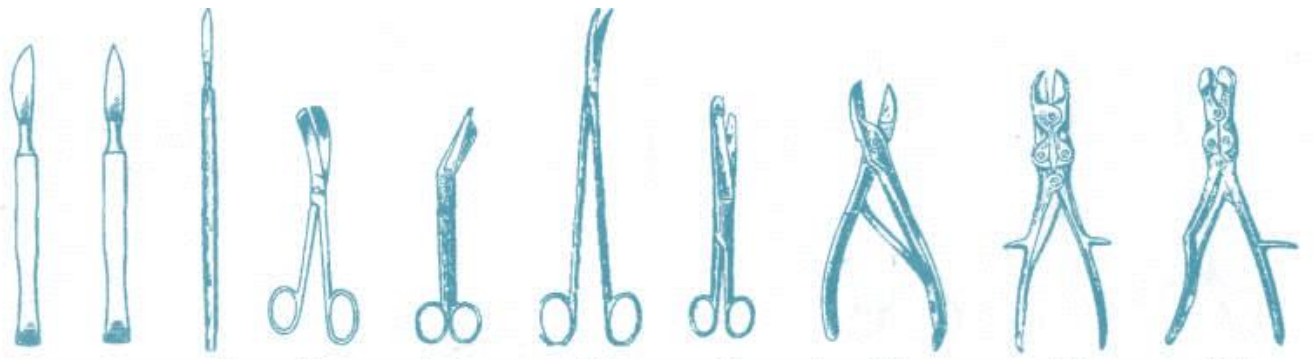
appointed as a chief surgeon of the medical and sanitary service of the Southern Railway. In 1989, he defended his doctoral thesis "The use of low temperatures in the selective proximal vagisection of patients with duodenal ulcer." Since 1994, he has been working as the Head of the Department of Surgical Diseases of the School of Medicine of V. N. Karazin Kharkiv National University. In 2005, he was awarded the title of "Honorary Doctor of Ukraine."

E. D. Khvorostov is the author and co-author of 220 scientific and educational works, three monographs: "Low temperatures and lasers in the treatment of diseases of the stomach and duodenum," "Immunotherapy in surgical practice," and "Low temperatures in the treatment of chronic diffuse liver diseases", 12 copyright certificates and patents.

Under the guidance of Professor E. D. Khvorostov members of the Department of Surgical Diseases develop and implement into clinical practice new methods of diagnosis and treatment using advanced minimally invasive technologies. For example, next surgical operations have been implemented using laparoscopic and endoscopic techniques: laparoscopic cholecystectomy, vagotomy and splenectomy, laparoscopic xenotransplantation of the culture of cryopreservation of islet cells of the pancreas in diabetes, endoscopic papilosfinkterotomy with litotraction, endoscopic surgery at esophageal achalasia, the use of low temperatures in the surgical treatment of duodenal ulcer and cholelithiasis, puncture treatment of liquid formations of the abdominal cavity under the control of the ultrasonography and videolaparoscopy, the use of ultrasonic scalpel in abdominal surgery.

DEPARTMENT'S STAFF

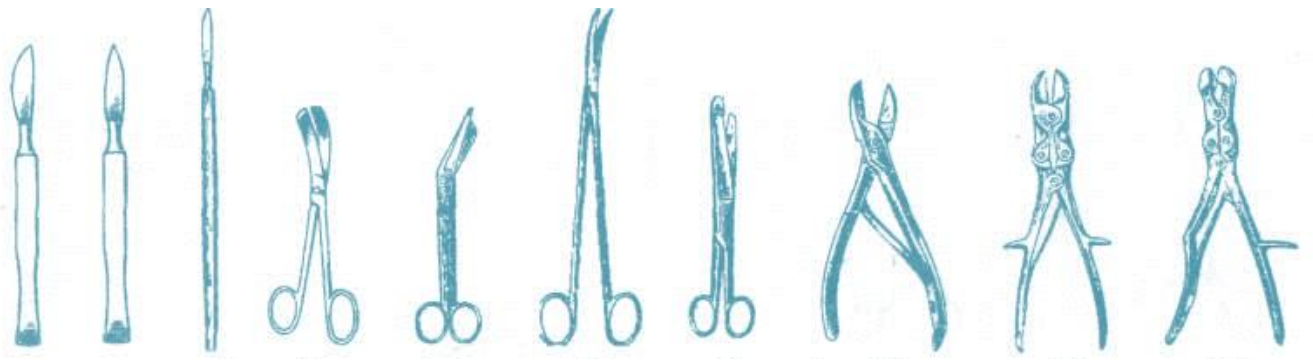
The staff of the Department consists of 3 Doctors of Medicine (MD), professors; 10 Candidates of Medicine (PhD), associate professor; 9 assistants without a scientific degree, 3,5 wage-rates of senior laboratory assistants. The number of full-time employees is 79% and external part-time workers– 21%. The one Honored Doctor of Ukraine carries out research and teaching activities at the Department.



The high quality of education is provided by years of experience and strong capabilities of teaching staff of the Department. The average teaching experience of staff in higher education is near 11 years.

In order to keep the high scientific and pedagogical level of the Department staff employees pass extension courses, specialization, pre-certification courses, thematic improvement et al., including the training of pedagogical skills and courses on introduction into the educational process of innovative Internet technologies and distance learning in educational process.





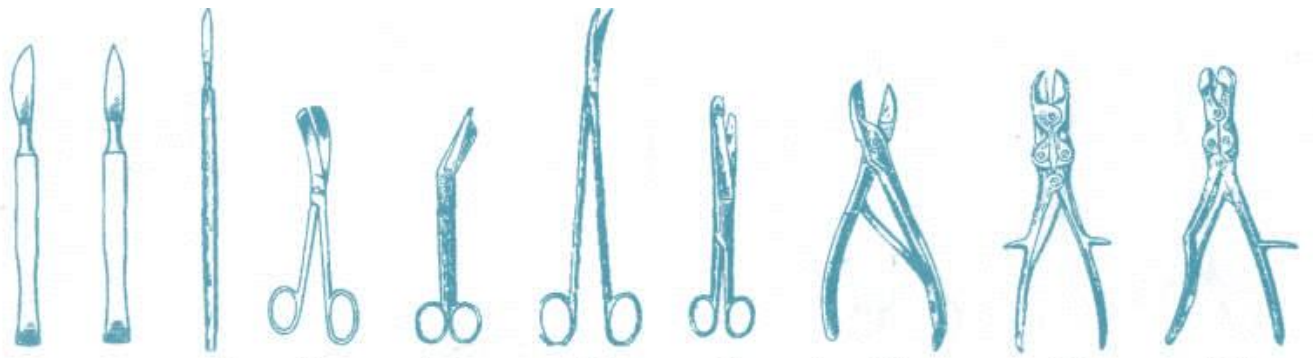
DEPARTMENT'S EDUCATIONAL WORK

Educational work of the Department is one of the priority directions of its activity. At the Department, teaching of students is carried out in 15 subjects in Ukrainian and English languages. Total amount of educational work is 14974 academic hours, of which 164 were allocated for lecture courses and 14810 – for practical, laboratory and seminar classes.



The teaching of students in the Department is carried out in accordance with the recommendations of typical programs of subjects, approved by The Ministry of Health (MoH) and The Ministry of Education and Science (MES) of Ukraine and improved within the framework of regulated standards of the staff of the Department. The teaching of all disciplines of the department is carried out in accordance with the guidelines and rules of the Bologna process.

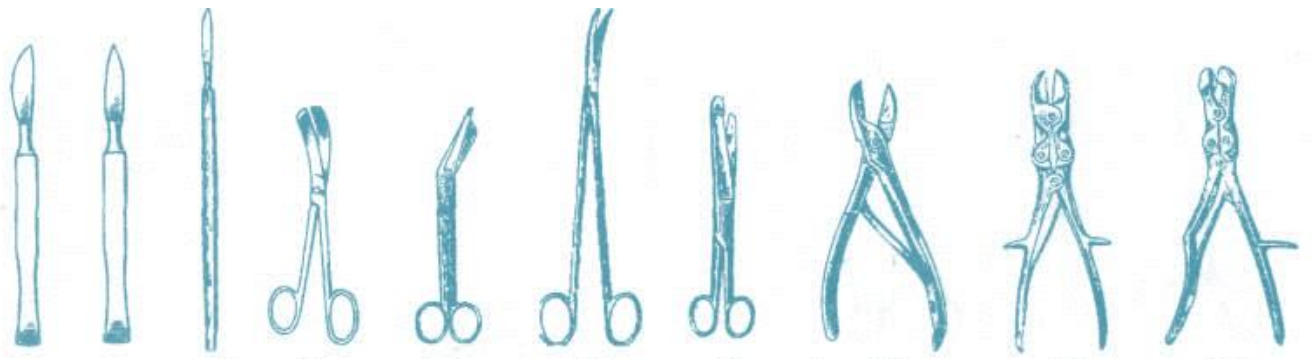
The educational process at the Department is carried out using modern multimedia and computer technology, a sufficient amount of visual material with the active involvement of students in the clinical and scientific work of the Department, as well as the use of innovative approaches to the educational process (on-line



consultation for students, a discussion with students of different issues in voice and text chat, remote control of preparing students for the licensing exam STEP, etc.). During the process of training activities in the Department, students have the opportunity to get acquainted with the work of modern diagnostic and treatment equipment, which is available to the Department: surgical videoendocomplexes MBT-ЭФ (Russia), Karl Storz (Germany), "Эндомедиум" (Russia); electrosurgical devices ЭХВА-350М/120Б "Надія-2" (Ukraine), ЭХВЧ-200-"Эндомедиум" (Russia), Karl Storz (Germany); ultrasound surgical mounting "Harmonic scalpel Ultracision" (Ethicon Endo Surgery, USA), Ultrasound devices (Sonoace 4800 „Medison", Toshiba Nemio and Philips HDI 4000), videoendocomplexes „Olympus" (Japan), X-ray complex Superix 180 N.



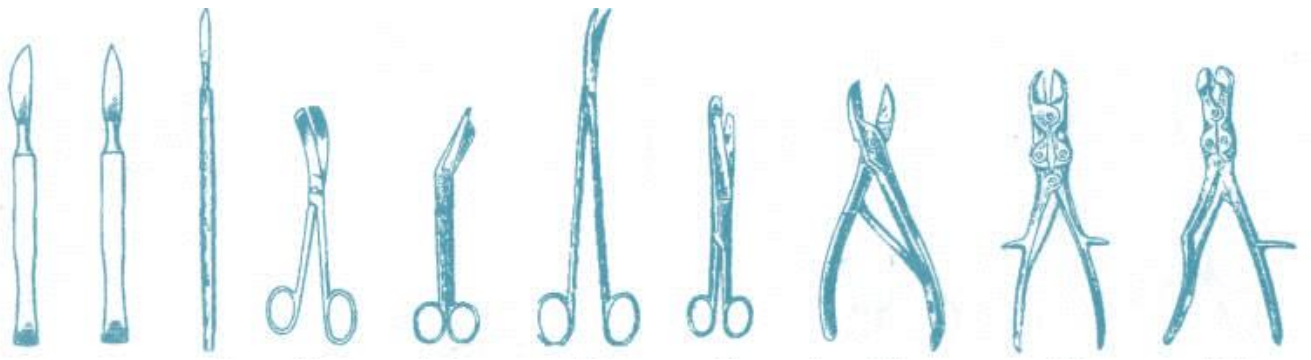
Practical exercises are carried out in conditions as close to real. Students and instructors of the Department take part in the clinical examination of patients, therapeutic and diagnostic procedures of specific clinical cases, participate in clinical case rounds, symposia, seminars, consultation and have already received at a grade invaluable clinical and practical experience.



Particular attention in the process of learning activities is paid for preparing students to the licensing exam test STEP 2, which is carried out with the analysis of tests of all available databases and test specifically designed for the School of Medicine of the software, computer labs and multimedia equipment, internet system of remote training and supervision the level of knowledge, and full-time online consulting teachers on the preparation for STEP during the whole period of the discipline with a uniform distribution of the test load on students. The effectiveness of training students for STEP exam in the disciplines of the Department confirmed by results of examination, in which the School of Medicine annually holds a leading position among the ranking of schools of medicine of Ukraine.

During training activities the lecturers of disciplines select and train the best students to take part in All-Ukrainian Olympiads, competitions, conferences, congresses, etc., in which medical students annually win prizes and certificates and are encouraged with certificates and marks of distinction.

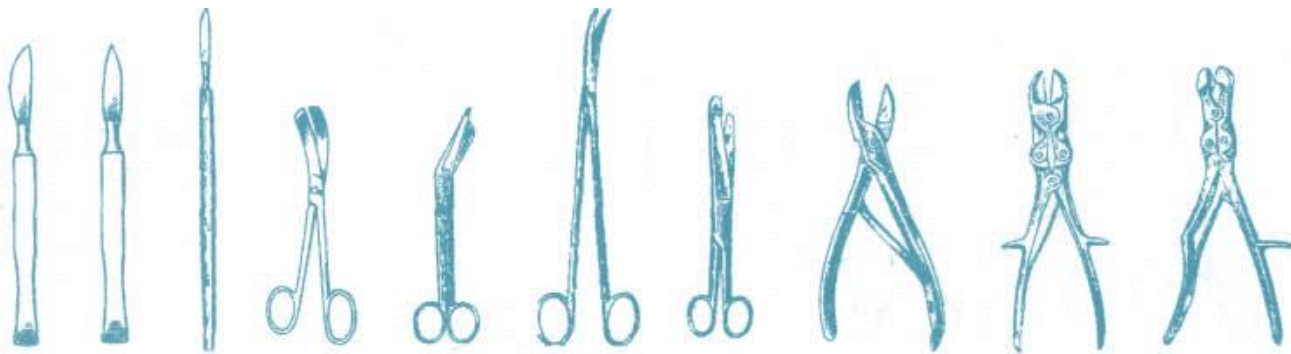




DEPARTMENT'S DISCIPLINES

At the Department of Internal Medicine, teaching of students is carried out in Ukrainian and English languages in 15 disciplines, including:

- ⇒ **General Surgery** for the 3rd year students. The Head of teaching discipline – associate professor, PhD S. O. Morozov; teachers of the discipline: associate professor, PhD Y. B. Zakharchenko, associate professor, PhD R. M. Grinyov, PhD N. V. Cherkova, PhD L. M. Dushik, PhD G. M. Gerasimov, PhD O. O. Olefirenko, PhD O. M. Pobelensky, V. V. Derikolenko, E. V. Shevchenko, D. P. Kutsenko.
- ⇒ **Surgery** for 4th year students. The Head of teaching discipline – associate professor, PhD R. M. Grinyov; teachers of the discipline: associate professor, PhD Y. B. Zakharchenko, associate professor, PhD S. O. Morozov, PhD N. V. Cherkova, PhD L. M. Dushik, PhD G. M. Gerasimov, PhD O. O. Olefirenko, PhD O. M. Pobelensky, V. V. Derikolenko, E. V. Shevchenko, D. P. Kutsenko.
- ⇒ **Surgery** for 5th year students. The Head of teaching discipline – associate professor, PhD Y. B. Zakharchenko; teachers of the discipline: associate professor, PhD R. M. Grinyov, associate professor, PhD S. O. Morozov, PhD N. V. Cherkova, PhD L. M. Dushik, PhD G. M. Gerasimov, PhD O. O. Olefirenko, PhD O. M. Pobelensky, M. O. Shabliy, D. P. Kutsenko.
- ⇒ **Surgery, Pediatric Surgery** course for 6th year students. The Head of teaching discipline – prof. MD O. I. Tsivenko; discipline teachers: prof., MD E. D. Khvorostov, prof., MD S. O. Bychkov.
- ⇒ **Oncology** for students of the 5th year. The Head of teaching discipline – prof. MD S. O. Bychkov; teachers of the discipline: associate professor, PhD R. M. Grinyov, associate professor, PhD Y. B. Zakharchenko, associate professor, PhD S. O. Morozov, PhD N. V. Cherkova, PhD L. M. Dushik, PhD G. M. Gerasimov, PhD O. O. Olefirenko, PhD O. M. Pobelensky.
- ⇒ **Traumatology and Orthopedics** for 5th year students. The Head of teaching discipline – PhD B. P. Vvedensky.
- ⇒ **Urology** for 4th year students. The Head of teaching discipline – PhD O. G. Bazarinsky.
- ⇒ **Vascular Surgery** (optional course) for students of the 4th year. The Head of teaching discipline – associate professor, PhD S. O. Morozov; teachers of the discipline: associate professor, PhD Y. B. Zakharchenko, associate professor, PhD R.

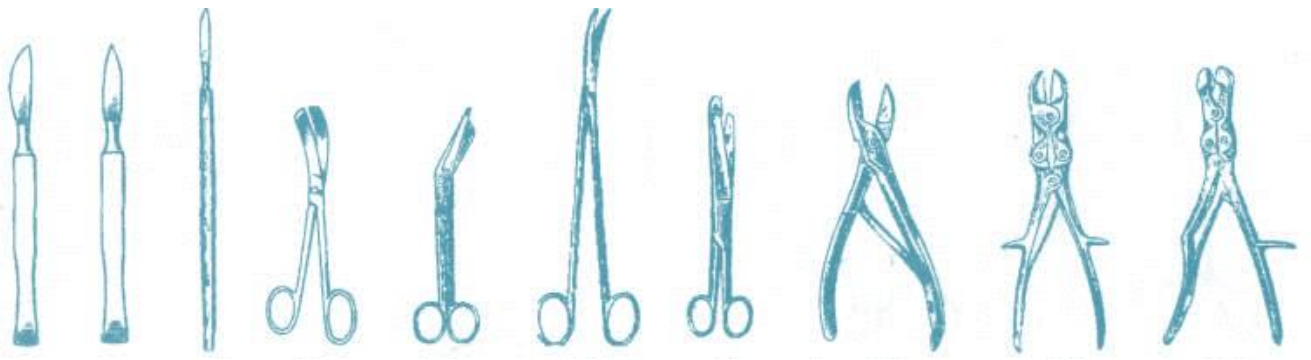


M. Grinyov, PhD N. V. Cherkova, PhD L. M. Dushik, PhD G. M. Gerasimov, M. O. Shabliy, D. P. Kutsenko, V. V. Derikolenko, E. V. Shevchenko.

- ⇒ **Nursing practice** for 3rd year students. The Head of teaching discipline – PhD L. M. Dushik; teachers of the discipline: associate professor, PhD Y. B. Zakharchenko, associate professor, PhD S. O. Morozov, PhD N. V. Cherkova, PhD G. M. Gerasimov, D. P. Kutsenko, V. V. Derikolenko, E. V. Shevchenko, N. S. Bychkova.
- ⇒ **Patients care** for the 2nd year students. The Head of teaching discipline – PhD N. V. Cherkova; teachers of the discipline: associate professor, PhD Y. B. Zakharchenko, PhD L. M. Dushik, PhD G. M. Gerasimov, D. P. Kutsenko, V. V. Derikolenko, E. V. Shevchenko, N. S. Bychkova.
- ⇒ **Anesthesiology** for 5th year students. The Head of teaching discipline – PhD N. V. Cherkova; teachers of the discipline: associate professor, PhD Y. B. Zakharchenko, associate professor, PhD S. O. Morozov, PhD R. M. Grinyov, PhD L. M. Dushik, PhD G. M. Gerasimov, PhD O. O. Olefirenko, PhD O. M. Pobelensky.
- ⇒ **Ophthalmology** for the 4th year students. The Head of teaching discipline – V. P. Deynihovsky; teachers of discipline: Y. Y. Sokolovskaya.
- ⇒ **Otorinolaryngology** (ENT diseases) for 4th year students. The Head of teaching discipline – K. E. Arnoldi; teachers of the discipline: N. S. Bychkova.
- ⇒ **Emergency and urgent medical care** for students of the 5th year. The Head of teaching discipline – PhD G. M. Gerasimov; teachers of the discipline: associate professor, PhD R. M. Grinyov, associate professor, PhD Y. B. Zakharchenko, associate professor, PhD S. O. Morozov, PhD N. V. Cherkova, PhD L. M. Dushik, D. P. Kutsenko, V. V. Derikolenko, E. V. Shevchenko.
- ⇒ **Medical Practice** for 4th year students. The Head of teaching discipline – associate professor, PhD R. M. Grinyov; teachers of the discipline: PhD N. V. Cherkova, PhD L. M. Dushik, PhD G. M. Gerasimov, D. P. Kutsenko V. V. Derikolenko, E. V. Shevchenko, N. S. Bychkova.

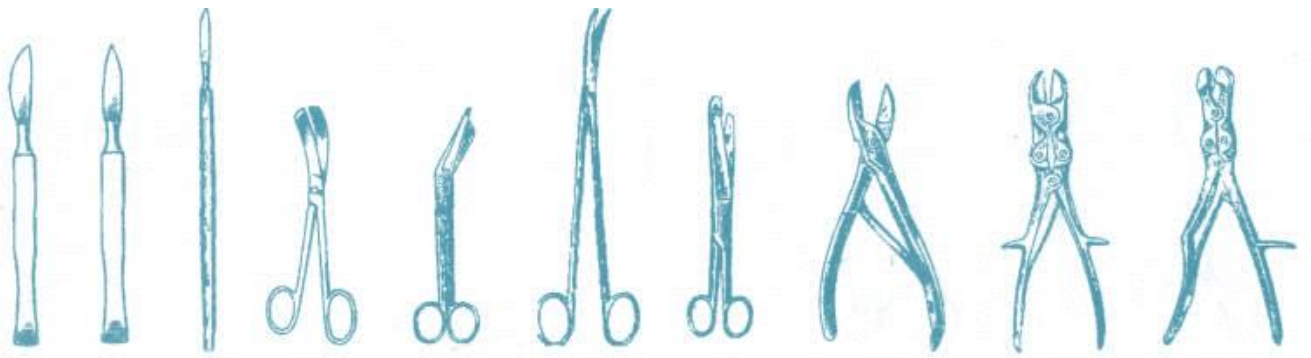
THE METHODOICAL WORK OF THE DEPARTMENT

The methodical work of the Department is carried out on a regular basis, and the result of it is a complete methodical maintenance of disciplines. The Department prepared teaching materials available to students in electronic form and online, on



servers of internal computer network of the School of Medicine, in electronic depository of the University, as well as in printed form.





The result of methodical work of the Department during the period of its existence is to train a team of one textbook, 29 training manuals and guidelines.

Packages of methodical support, including work programs, calendar and thematic plans, methodology for assessing the knowledge and skills of students, methodological recommendations for practical training for students' independent work, instructions for the training of students in terms of Bologna process, database of test and situational tasks for the current and final module control of knowledge and skills of students, checklists and recommended reading, texts of lectures and multimedia presentations are developed and constantly kept up for all disciplines of the Department.

DEPARTMENT'S SCIENTIFIC WORK

The scientific work of the Department is an integral part of its activities. Scientists who work in the Department are well-recognized experts in their fields, not only in Ukraine, but also abroad.

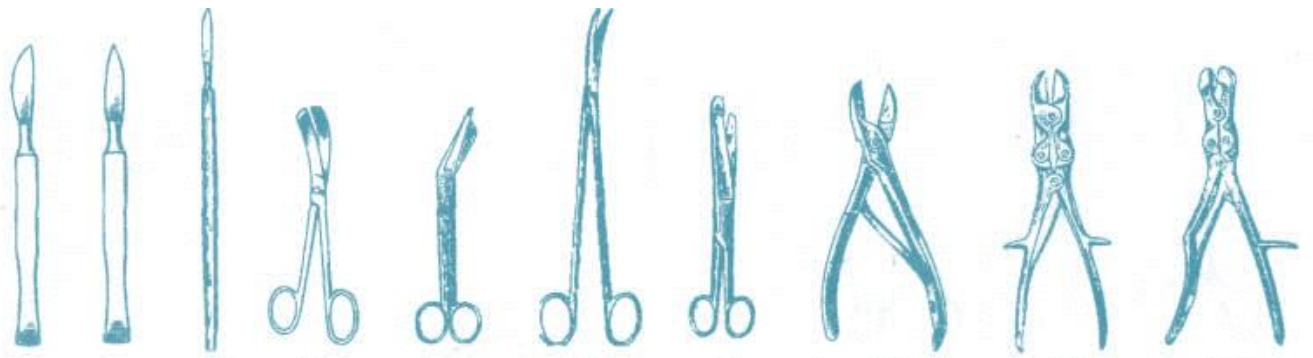
The Department performs the following research: Study of features and optimization of execution of splenectomy in the treatment of hematological patients (UDC 616.411-089.85:616.151.5(043.3)).

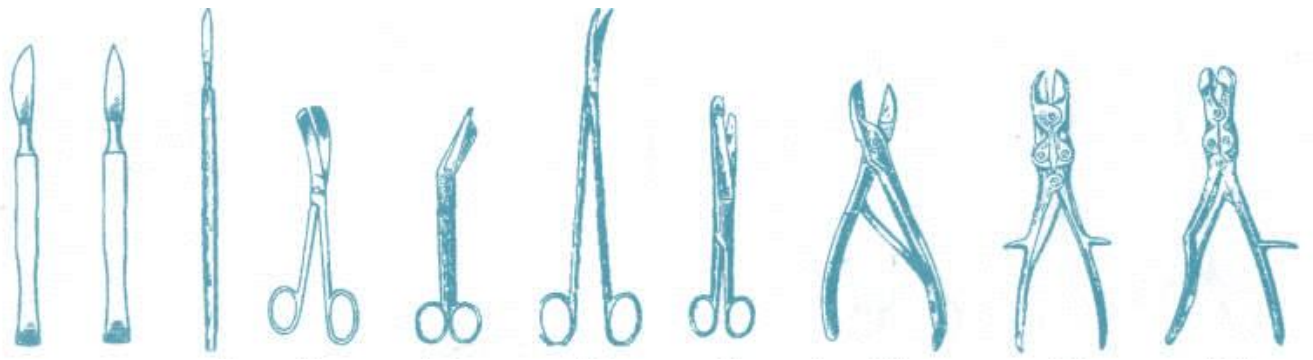
Since the founding of the Department of Surgical Diseases in February 1994 by members of the Department under the direction of professor E. D. Khvorostov more than 350 scientific articles and abstracts, 1 monograph have been published, 15 patents of Ukraine for invention and utility model have been received.

Since the foundation of the Department, the staff of the Department has been defended 7 candidates and 2 doctoral dissertations.

Department staff is active members of different scientific and public health organizations of the world.

An integral part of the scientific work of the Department is the organization of student scientific groups, which is the structural unit of the Scientific Community of Students, postgraduates, doctoral students and junior researchers of the School of Medicine. Students scientific circle of the Department together with the staff of the Department are actively involved in clinical parsing and formal care conferences, scientific conferences, congresses, forums, symposiums and research, the results of which are published articles in specialized journals, including foreign ones.





DEPARTMENT'S CLINICAL BASE

The clinical base of the Department of Surgical Diseases is one of the leading institutions of the health system of Ukraine, known for its scientific and clinical potential far beyond Ukraine - State Institution "Road Hospital of Kharkiv Station" "Ukrzaliznytsia".

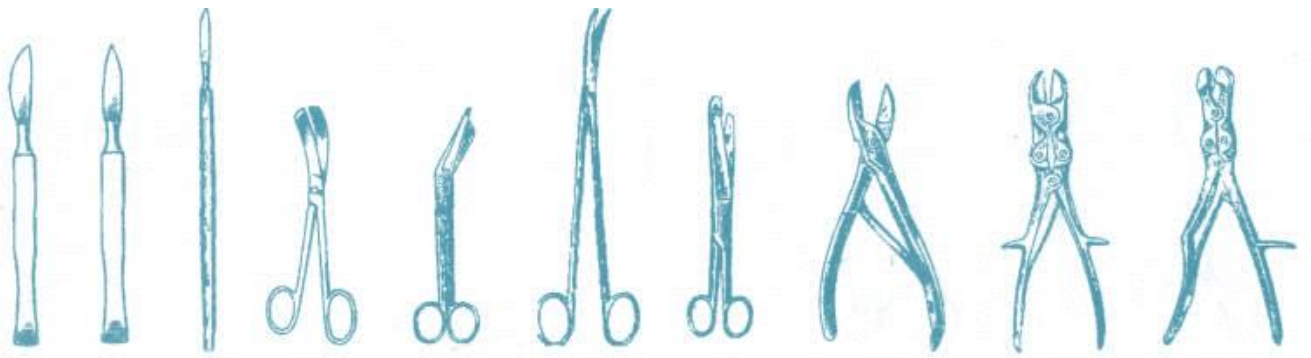


Lectures, practical and laboratory studies, clinical reviews with the participation of students are carried out on the basis of the clinic; there is a formation of practical skills and consolidation of theoretical knowledge. Members of the students' scientific circles of the Department are actively involved in scientific research, which are based on the clinic base.

Clinical work of the Department of Surgical Diseases carried out by staff of the Department on the basis of the clinic with the involvement of students in the study of relevant disciplines.

During the year staff of the Department are been treating about 2,000 patients, performing nearly 1,500 surgeries, consulting more than 500 patients in departments of the clinic.

Weekly the Head of the Department, professors and associate professors make rounds in the surgical department of the clinic, hold daily clinical reviews of patients who planned to operative interferences and have been operated yesterday.



Professors and associate professors of the Department of Surgical Diseases carry the monthly duty as consultants, and also they are the curators of departments. Assistants of the Department are on duty at the clinic as a senior surgeon on duty and do clinical work, which contains provisions regarding the hospital.

Staff of the Department develop and implement into clinical practice new methods of diagnostics and treatment using advanced minimally invasive technologies.

CONTACT INFORMATION

DEPARTMENT OF SURGICAL DISEASES, state institution «Road Clinical Hospital of Kharkiv Station «Southern Railway»

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Website of the Department: <http://surg-hnu.narod.ru>

Website of the clinical base of the Department: <http://dkb.kharkov.ua>

Phone number: +38 (057) 372-02-19

Scheme of transit: bus number 43а from Subway Station Kholodnaya Hora

Location map: <https://goo.gl/maps/6g6rRyyUVzs>