

V. N. Karazin Kharkiv National University

School of Medicine



Department of Surgical Diseases, Operative Surgery and Topographic Anatomy



GENERAL INFORMATION

Currently, Department of Surgical Diseases, Operative Surgery and Topographic Anatomy is among the leading ones in Ukraine within the same description. This is owing to highly qualified personnel, didactic and methodological efforts with innovative aspects and relevant scientific researches. The Department is graduating department for medical professionals in 7.12010001 “General Medicine” specialty.

DEPARTMENT'S HISTORY

Department of Surgical Diseases, Operative Surgery and Topographic Anatomy of School of Medicine at V. N. Karazin Kharkiv National University was founded on February 1, 2012. The goals of its foundation were reinforcement of General Medicine specialists training and optimal utilization of the School of Medicine potential, as basic surgical school for foreign students.

The Head of the Department from the outset is Igor Viktorovich Belozеров, Doctor of Medicine, professor, deputy chief medical officer for medical activities of Institute of General and Emergency Surgery NAMS of Ukraine.

All the lectures are professed with multimedia and other current accessories. A computerized room is functioning, wherein computer-assisted students' knowledge test control and department's software are introduced.

In 2015, an ophthalmologic laboratory was inaugurated, which is tooled up with modern equipment. Each ophthalmology lesson students gain professional skills that are essential in ophthalmologic patient examination.

Furthermore, department officers take part in professional international and interregional conferences, workshops, conventions, forums in Ukraine, CIS and other foreign countries.

The entire staff of the Department persists an aggressive and “fruitful” activity, oriented to enhancement and optimization of educational process, medical students training, national surgery development, scientific achievements elaboration and application to healthcare. Today's cohesive department collective represents with both experienced lecturers and talented young people, who are optimistic about the future, full of creative plans and ready to perform complicated tasks in educational and scientific fields.



DEPARTMENT'S LOGISTIC

Logistical support of the Department activities is on the highest level and fully comply with international standards.

Lectures are delivered in 24 lecture rooms that are equipped with multimedia systems and computers connected to the University domestic network and Internet network.



There are 16 auditoriums for practical, laboratory and seminar studies around the Department, which are also equipped with multimedia systems, PCs with Internet and the University domestic network connection, video and TV technique, essential dummies, moulages, dummy boxes (general and special surgical instruments, laparoscopic and endoscopic equipment, soft drainages and catheters, dressings, bones and other cadaveric material, ophthalmoscopes, visual field analyzers, Maklakov tonometer with assessment rulers, ocular blood flow analyzer, slit-lamps and other devices, phantoms for performing of basic nurse manipulations and first-aid training, thematic tables and diagrams.





Independent students' work is stipulated at clinical bases. Besides prospected issues, students may study recent scientific periodical publications with subsequent presentation of the material in multimedia demonstration. At the time of students' independent self-education, department instructors advise students and give them recommendations about their assignment design. All lecture materials at the Department are delivered with the help of multimedia and other modern devices. The training process includes active forms of learning such as short abstracts reports on the most topical issues, new classifications, methods of research and recommendations for the treatment of diseases of the practical skills, individually with each student in practical classes.

THE HEAD OF THE DEPARTMENT

Department of Surgical Diseases, Operative Surgery and Topographic Anatomy is headed by Doctor of Medicine, Professor Igor Viktorovich Belozerov, who is famous specialist in Ukraine and abroad in the field of investigation of colorectal cancer surgical treatment methods, problems of acute intestinal bleeding and acute bowel obstruction.





He studied at Kharkiv National Medical University for “General Medicine” from 1984 to 1992, within this period he was also in the ranks of the Soviet Army (1986-1988). He graduated from KNMU in 1992 with honors, since the same year until the present time he works at Institute of General and Emergency Surgery NAMS of Ukraine.

In 2000, Igor Viktorovich defended his thesis about: «Surgical treatment of patients with recurrence of peptic ulcer complicated by bleeding after suture of the perforated ulcer of duodenum». In 2003 he got the rank of senior researcher at Institute of General and Emergency Surgery NAMS of Ukraine and since that time he was taking up his post there as deputy chief medical officer for medical activities.

In 2011, he defended his doctoral thesis in “Surgical policy in patients with acute complicated colorectal cancer”. He has more than 200 scientific transactions, 7 tutorials and monographs, 35 Ukrainian patents for inventions. His general work experience is 30 years.

Igor Viktorovich Belozerov conducts active educational work, imparting his invaluable experience and knowledge to medical students. He lectures on operative surgery and topographical anatomy and holds practical, laboratory classes and seminars in this subject, clinical discussions of patients with urgent surgical pathology in conference with department staff and medical students.

Planning and processing of 5 PhD theses are currently guided by Igor Viktorovich Belozerov.

The field of scientific and professional interest for Igor Viktorovich at this stage is continuation of researches in colorectal surgical treatment modes, acute intestinal bleedings and obstructions challenges, endovascular embolization of colorectal cancer metastases issues.

DEPARTMENT'S STAFF

The Department staff includes 6 doctors of medicine, 4 professors, 26 candidates of medicine, 28 associate professors, 45 assistants without scientific degree and 12 senior department assistants. A number of staff members is 11 and the external part - 89%. Scientific and teaching activity of 1 State Prize winner, 2 Merited Workers of Science and Technology of Ukraine and 3 Merited Doctors of Ukraine exists at the Department.



A high quality of education is provided by experience and strong young potential of teaching staff of the Department. Average teaching seniority in high-education institutions of the Department insiders comes to 4 years.

Purposely to keep the Department team at a scientific and teaching level, refresher courses, specialization, precertification lecture series, advanced training additional courses, teaching techniques, innovational Internet-technologies and the Department lecturers pass distant education deployment courses annually.

DEPARTMENT'S EDUCATIONAL WORK

Department instructional work reveals as one of foreground fields of department activity. 27 subjects are studied at the Department. 22 of them are in English and 5 are in Russian. Total scope of educational activity comes to 40 000 academic hours, where 300 hours more are related to lecture series and 39 000 hours more – to practical, lab and seminar studies.

Students' education at the Department are conducted in compliance with typical curriculum recommendations, which are approved by the Ministry of Health and Ministry of Education and Science of Ukraine and improved by departments' staff in accordance to regulated statutes. The teaching of all disciplines of the department is carried out in accordance with the guidelines and rules of the Bologna process.

Teaching at the Department is carried out with utilization of modern multimedia and computer devices, enough number of visual aids, with active bringing of students in clinical and research department activities. Innovational approaches to educational process (on-line consulting for students, voice-chats and text-chats with students,



related to different issues, remote control of students' preparation to license exam STEP (KROK) etc.) are also applied.



In 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: ultrasounds RADMIR, SIEMENS, TOSHIBA, endoscopic and laparoscopic equipment KARL STORZ and VIKING, ophthalmoscopes and slit-lamps etc.

Practical classes approximate to real conditions. Students with department instructors take part in clinical examinations of patients, diagnostic and treatment management, clinical reviews, medical rounds, symposiums, consultations etc., and get a wide clinical and practical experience at the stage.



Particular attention of studying activity is focused on preparation to license test exam STEP (KROK) 1 and 2 with the analysis of tests of all available databases and test especially developed software for the School of Medicine, computerized rooms and multimedia, remote students' practice and control Internet systems, personal and on-line consulting about STEP (KROK) tests during all subject studying term with balancing teaching load. Students training efficiency in STEP (KROK) test is confirmed by exam results. Moreover, these results are annually among the leading positions in the list of other Ukrainian medical universities.



In the course of studying activities, lecturers select the best students for participation in All-Ukrainian contests, competitions, conferences, debates, meetings etc. where they annually gain prizes, diplomas, commendations, certificates etc.





DEPARTMENT'S DISCIPLINES

The students of the Department of Surgical Diseases, Operative Surgery and Topographic Anatomy are trained in 27 subjects in Ukrainian and English languages, including:

- ⇒ "General Surgery" for students of the 3rd English course (Head of teaching discipline - associate professor German I. Andreev, teachers - associate professor Eugene A. Novikov, assistant Maksim I. Vasiliev)
- ⇒ "Surgical Diseases" for students of the 4th English course (Head of teaching discipline - assistant Evgeny V. Kosov, teacher - assistant Dmitry A. Miroshnichenko)
- ⇒ "Surgical Diseases" for students of the 5th English course (Head of teaching discipline - associate professor Daniel V. Safronov, teachers - assistant Boris V. Gilev, assistant Catherine T. Gony)
- ⇒ "Surgical Diseases" for students of 6th English course (Head of teaching discipline - assistant Vladislav V. Tsodikov)
- ⇒ "Operative Surgery and Topographic Anatomy" for the students of the 2nd course (Head of teaching discipline - assistant Elena Y. Rozhkova, teachers - associate professor Irina Y. Yevtushenko, assistant Viktor N. Veklich, assistant Madona O. Gogia)
- ⇒ "Operative Surgery and Topographic Anatomy" for the students of 2nd English course (Head of teaching discipline - assistant Elena Y. Rozhkova, teachers - assistant Viktor N. Veklich, assistant Dmitry V. Rozov)
- ⇒ "Urology" for students of the 4th English course (Head of teaching discipline - professor Igor V. Krivorotko, teachers - assistant Dmitry V. Rozov, assistant Dmitri A. Miroshnichenko, assistant Nikita S. Chernyaev)
- ⇒ "Ophthalmology" for students of the 4th English course (Head of teaching discipline - associate professor Inessa A. Ishkova, educators - associate professor Darya A. Zubkova, assistant Anastasia I. Grechishkina, associate professor Elena V. Gorbacheva)
- ⇒ "ENT" for students of the 4th English course (Head of teaching discipline - associate professor Nataliya A. Golovko, teachers - assistant Elena I. Kharchenko, assistant Tatiana Y. Panchenko)
- ⇒ "Dentistry" for students of the 5th English course (Head of teaching discipline - assistant Anna I. Gulaya, teachers - assistant Ekaterina I. Gulaya)



- ⇒ "Dentistry" for students of the 5th course (Head of teaching discipline - assistant Anna I. Gulaya, teachers - assistant Ekaterina I. Gulaya)
- ⇒ "Radiology" for students of the 3rd course (Head of teaching discipline - associate professor Elena V. Panchenko, teachers - assistant Natalia I. Lukhovitskaya, assistant Timur E. Goodilin, assistant Christine O. Akritova, assistant Eugeniya S. Kvitskovskaya)
- ⇒ "Radiology" for students of the 3rd English course (Head of teaching discipline - associate professor Andrey V. Svinarenko, teachers - assistant Natalia I. Lukhovitskaya, associate professor Elena A. Kravtsova, associate professor Anna V. Grushka, associate professor Vladislav V. Sukhin, assistant Timur E. Goodilin)
- ⇒ "Nursing practice" for students of the 3rd English course (Head of teaching discipline - assistant Evgeny V. Kosov)
- ⇒ "Patients Care" for students of 2nd English course (Head of teaching discipline - assistant Anna I. Gulaya)
- ⇒ "Cardio-Vascular Surgery" for students of the 4th English course (Head of teaching discipline - associate professor Dmitry V. Vasilyev, teachers - assistant Anastasia L. Sochneva, assistant Alina T. Gony)
- ⇒ "Neurosurgery" for students of the 5th course (Head of teaching discipline - assistant Andrey V. Kozachenko)
- ⇒ "Neurosurgery" for students of the 5th English course (Head of teaching discipline - assistant Andrey V. Kozachenko, teachers - assistant Ivan I. Ivanov, assistant Dmitry B. Vatamanitsa)
- ⇒ "Traumatology" for students of the 5th English course (Head of teaching discipline - assistant Elena Y. Rozhkova, teachers - assistant Dmitry B. Vatamanitsa, assistant Viktor N. Veklich)
- ⇒ "Oncology" for students of the 5th English course (Head of teaching discipline - assistant Dmitri A. Miroshnichenko, teachers - assistant Dmitry B. Vatamanitsa, assistant Ivan I. Ivanov)
- ⇒ "Emergency care" for students of the 5th English course (Head of teaching discipline - assistant Anastasia L. Sochneva, teachers - Jacob S. Zemskov, Denis A. Kirienko)
- ⇒ "Anesthesiology" for students of the 5th English course (Head of teaching discipline - assistant Alla A. Kosova, teachers - associate professor Yulia V. Volkova, assistant Victoria V. Alekseeva)
- ⇒ «Ultrasound» for students 5th English course (Head of teaching discipline - associate professor German I. Andreev, teachers – Alla A. Kosova, Elena A. Kravtsova)



- ⇒ "Nuclear medicine" for students of the 5th course (Head of teaching discipline - associate professor Sergey A. Amirazyany)
- ⇒ "Nuclear medicine" for students of the 5th English course (Head of teaching discipline - associate professor Helen A. Kravtsova, teachers - assistant Natalia I. Lukhovitskaya)
- ⇒ "Practice" for students of the 4th English course (Head of teaching discipline - associate professor Vasily A. Pronin)
- ⇒ "Practice" for students of the 5th English course (Head of teaching discipline - assistant Madona O. Gogia)

DEPARTMENT'S METHODOICAL WORK

Methodological activities of the Department is steady and it results in complete set of methodological support for all subjects. The department prepared teaching materials available for students in an electronic form online, on servers of internal computer network of the School of Medicine in electronic depository and in print format also.





The department methodological activity outcome is formulation of 5 textbooks, 1 monograph, 80 manuals (75 of them is in English) by department staff over an all department history.

Specially designed and actually relevant methodologic packets supply all department disciplines. They include work programs, curriculums, methods of students' practical skills and theoretical knowledge assessment, methodologic recommendations for practical classes and students' self-education, Bologna process instructions, test questions and case tasks banks for routine and final students' skills and knowledge assessment, lists of control questions and recommended publications, printed lectures and their multimedia presentations, etc.

DEPARTMENT'S SCIENTIFIC WORK

Research work of the department is an integral part of its activities. Department staff thanks to its research are acclaimed scientific experts in their fields, not only in Ukraine, but also abroad.

Basic scientific inquiries at the Department are colorectal cancer issues, small and large intestinal fistulas and esophageal strictures, gastrointestinal bleeding treatment issues, radionuclide investigation and treatment methods, endovascular methods of metastases treatment, urgent surgery and blood transfusions, wound management, organ and tissue transplantation, gastroduodenal ulcers treatment, etc.

During all department history, its staff has defended 5 PhD theses. Currently, 5 master's theses are designed and carried out.

Results of personal department staff research were published in 350 national issues and 150 other ones. Innovative research points are corroborated with 50 patents and inventors certificates.

Personal research results were revealed by department staff at over 150 conferences, forums, symposiums, meetings (150 of them are international).

The Department has official scientific cooperation in experience exchange, scientific association with Institute of General and Emergency Surgery NAMS of Ukraine, Kharkiv City Clinical Hospital of First Aid and Emergency Care, Kharkiv City Otolaryngology Clinic №30, Central Clinical Hospital №5 "Ukrzaliznytsa".

An essential part of scientific department activities is organization of scientific students' clubs, which are a part of the Scientific Research Group. The members of



these clubs with department teachers participate clinical discussions and debates, scientific conferences, regular meetings, forums, symposiums and researches.

Students of the scientific clubs have initiated an organization of 5 scientific international conferences, where students revealed their personal scientific research results.

DEPARTMENT'S CLINICAL BASES

Clinical centers of the Department of Surgical Diseases, Operative Surgery and Topographic Anatomy are Ukrainian leading healthcare agencies that are well known far abroad in their scientific and clinical potential. The Department has three clinical centers.



Institute of General and Emergency Surgery NAMS of Ukraine. Institute of General and Emergency Surgery NAMS of Ukraine is scientific research clinical



institute, which was founded in 1930 in Kharkiv. Scientific research of institute staff is urgent surgery and blood transfusion issues, wound management, organ and tissue transplantation, gastroduodenal ulcers treatment. Clinical center has the following departments: 6 surgery departments, endoscopy diagnostic department, intensive care department, cardiovascular surgery, vascular surgery, radiology departments. The clinic has modern diagnostic and surgical equipment.

Kharkiv City Otolaryngology Clinic №30. Only this clinic has phoniatics and audiology offices in Kharkiv for children and adults, cryosurgery and laser therapy rooms. Rhinoplasty surgeries, removal esophageal foreign body procedures, pharyngeal lymphoid ring surgeries, paranasal sinus surgeries, laryngoscopic surgeries etc. are performed in the clinic. Digital recording and computer data analysis are possible due to videoendoscopic systems and other modern diagnostic equipment.



Central Clinical Hospital "Ukrzaliznytsa". Central Clinical Hospital "Ukrzaliznytsa" is leading diagnostic, treatment and scientific research center on neurology, cardiology, neurosurgery, cardiovascular surgery and psychiatry. In recent



years, leading activity of the Clinic is to provide a modern level of patients' care of brain, heart, aorta, kidneys vascular and peripheral vessels lesions. The range of aid - from acute states to rehabilitation stages and from radiologic investigations up to radical surgical interventions. Angioplasty, coronary, main cerebral and renal arteries stenting, arterial bypass surgeries, carotid arteries surgeries (including stenting), wide range of conservative and physiotherapeutic treatments, rehabilitation of cardiovascular surgery patients, heart rhythm disorders management are provided here.



Medical students have lectures and practical classes, take part in clinical discussions, get practical skills and fix their theoretical knowledge at these clinical centers. Students of the scientific clubs also participate scientific medical research there.



CONTACT INFORMATION

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