

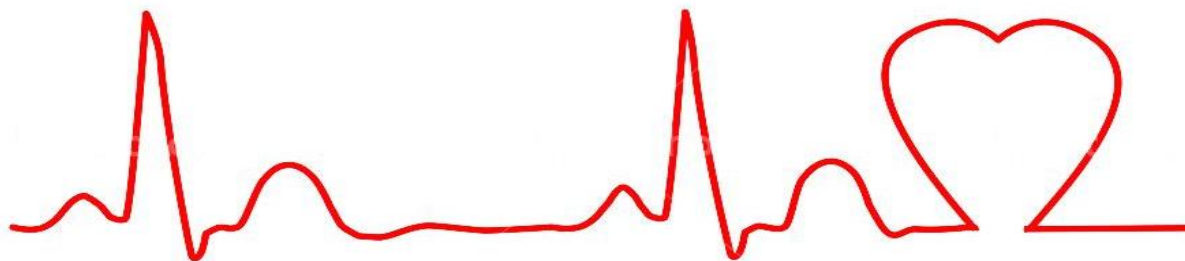
V. N. Karazin Kharkiv National University



School of Medicine



Department of Internal Medicine



GENERAL INFORMATION

Today the Department of Internal Medicine 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 researches. The Department trains specialists in the speciality 7.12010001 "General Medicine".

DEPARTMENT'S HISTORY

The roots of the Department go back to 1805, when the pathology, therapy and clinical department was opened as a part of Universities doctors and medical sciences branch, and the students were able to comprehend the therapeutic science and hone skills under the experienced physicians' supervision. Then, in 1863, this department was reorganized into Department of Surgery and Therapy, additional therapeutic clinic with 75 beds was opened.

In 1920, during the Bolshevik ascendancy most of the universities were closed, so the School of Medicine of Karazin University has ceased to exist.

In 1992, with Ukraine's independence and the democratic revival acquisition it seems to be possible to resume a classical medical education.

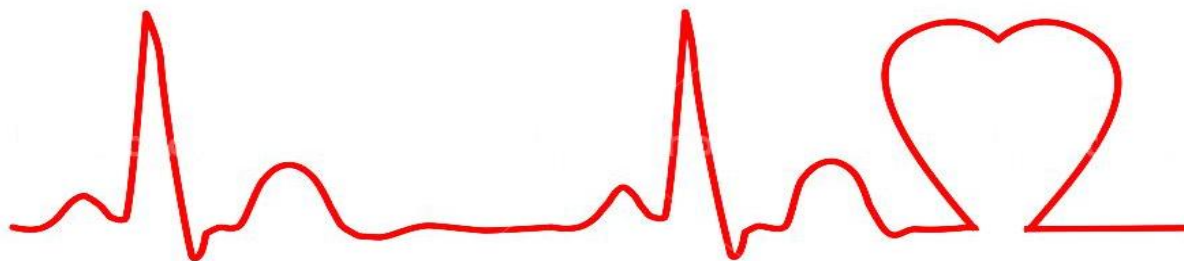
November 20, 1992 the Ministry of Education and Science of Ukraine instructed the University to resume training of medicine professionals providing them with the right to medical practice by №185 order. In March 1993, School of Medicine was opened (before 2008 - the School of Fundamental Medicine), and the second phase of training of doctors at the University had coming.

Department of Internal Medicine (until 2008 - Internal Diseases) was one of the school-forming, its age coincides with the age of the School of Medicine.

Since its founding to the present time the Department has heading by the first Dean of the School of Medicine, Doctor of Medicine, Professor Mykola Yabluchansky. It was on his initiative the best traditions of the world-famous Kharkiv therapeutic school, established since the foundation of the School of Medicine of Kharkiv Imperial University, and were put in the scientific and educational activities of the Department.

Academic programs of disciplines for each of the courses were drawn up according to the credit-modular system, which is a pass-through from the first to the last day of training students in the School.

Syndromes' principle was implemented in basis of the teaching of internal medicine propaedeutic since the beginning of the Department; meanwhile instead the



theoretical and hospital therapy outlines internal medicine. This approach began to be used later in all health care facilities of the country.

In addition to academic work in 1992 the research work have been renewed at the Department, generally it was focused on optimality of the disease; neurohumoral regulation in the development, diagnosis and treatment of internal diseases; the development and practical application of new methods of diagnosis, prognosis and treatment of patients with cardiovascular diseases.

From 1992 "The Journal of V. N. Karazin Kharkiv National University, series "Medicine" (until 2002 - «School of Fundamental Medicine Journal») was published by the staff of the Department, which was included in the list of specialized editions of Ukraine.

Since 2003, research projects with public funding are performed in conjunction of the students. For example, in 2003-2005, non-linear dynamic effects in autonomic regulation of cardiac biomechanics were studied; in 2006-2008 biofeedback technology developed on the basis of heart rate variability in patients with hypertension; in 2010, was started the project about the medical management of patients with implanted pacemakers. The results of this research are introduced into clinical practice and teaching of the Department of Internal Medicine of V. N. Karazin Kharkiv National University and the Department of Therapy and Nephrology of Kharkiv Medical Academy of Postgraduate Education, the Central Clinical Hospital "Ukrzaliznytsia", Kharkiv city polyclinics No 6 and No 24.

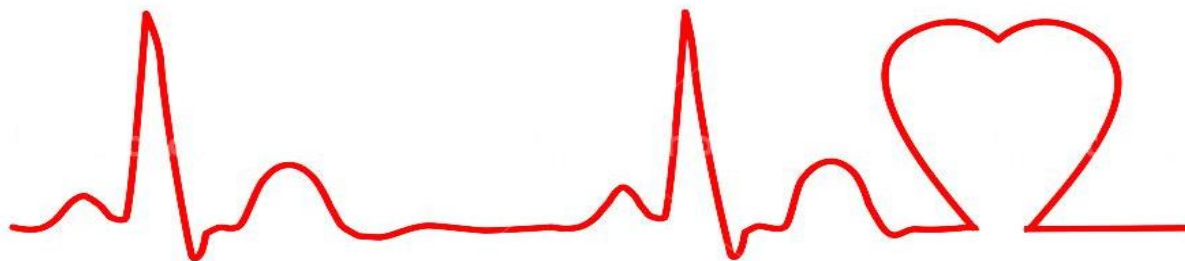
Since 2009, the teaching of disciplines taught in English.

DEPARTMENT'S LOGISTIC

Logistics activities of the Department are at the highest level and fully comply with international standards.

Lectures are held in 10 lecture halls 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 12 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 moulages, models and demonstration materials.

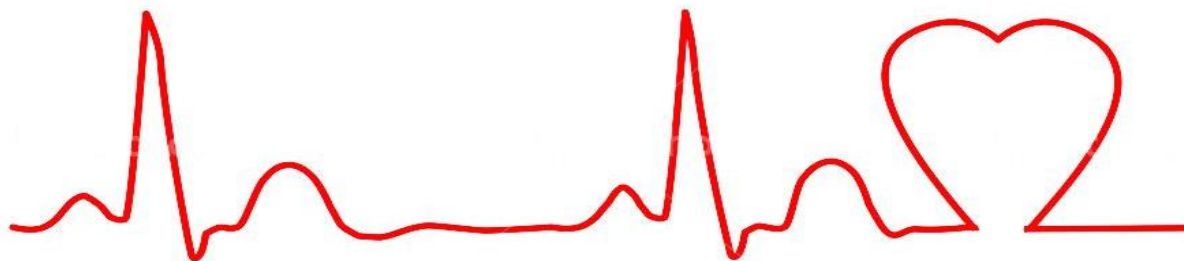


Conducting of training classes on the disciplines of the Department accompanied by the using in the educational process of anatomical models, educational posters, medical simulators and simulations, professional diagnostic equipment.

HEAD OF THE DEPARTMENT

Head of the Internal Medicine Department is Doctor of Medicine, Professor Mykola Yabluchansky, who is well known in Ukraine and abroad specialist in internal medicine, cardiology, gastroenterology, pulmonology, rheumatology, and endocrinology.

He graduated in 1973 from Donetsk State Medical University named after M. Gorky with the specialization "General Medicine", and in 1984 - Mechanics and Mathematics Department of the .N. Karazin Kharkiv National University. In 1973 he became an assistant of the Department of Human Anatomy of the Donetsk National Medical University named after M. Gorky, in 1978 he moved to the Department of Internal Medicine of the University in a similar position, where he worked until 1984. From 1984 to 1988 he managed the laboratory of experimental cardiology of the



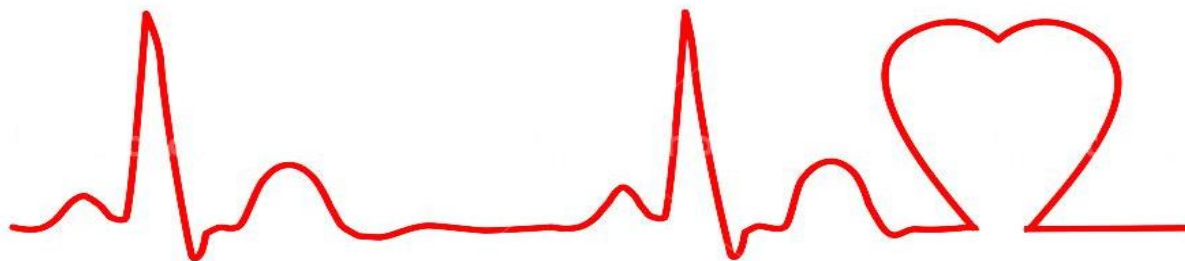
Kharkiv branch of "M. D. Strazhesko Institute of Cardiology". In 1988-1991 he was Deputy Director on scientific work, Head of the Department of Gastroenterology of the Kharkiv Research Institute of therapy of The Ministry of Health (MOH) of Ukraine, and then in 1991-1993 - Deputy Director on scientific work, Head of the Clinical Department of the Kharkiv Research Institute of Microbiology and Immunology, The Ministry of Health (MOH) of Ukraine. In 1992 Yabluchansky M. I. became the first Dean of the restored School of Medicine (at that date School of Fundamental Medicine) as part of the V. N. Karazin Kharkiv National University the Ministry of Education and Science (MES) of Ukraine and has worked in this post until 2008. At the same time, in 1992, he headed the Department of Internal Medicine, which managed currently.



In 1974 he defended his dissertation for the degree of Candidate of Medicine on the theme "Morphometry of autotransplanted and allotransplanted lungs in the experiment". In 1989 he defended his dissertation for the degree of Doctor of Medicine on the theme "Patterns of complicated and uncomplicated healing of myocardial infarction". In 1993 it was awarded the title of Professor.

Yabluchansky Mykola conducts active teaching activity, passing his invaluable experience and knowledge to the students of the School of Medicine. He gives lectures on propedeutics of internal medicine and internal medicine, conducts practical, laboratory and seminar classes in internal medicine, and organizes clinical analysis of patients and medical consultations jointly with staff of the Department and students.

Yabluchansky Mykola is the author of 10 books with the stamp The Ministry of Health (MOH) and The Ministry of Education and Science (MES) of Ukraine, more than 20 textbooks and monographs, 100 educational-methodical manuals and guidelines,



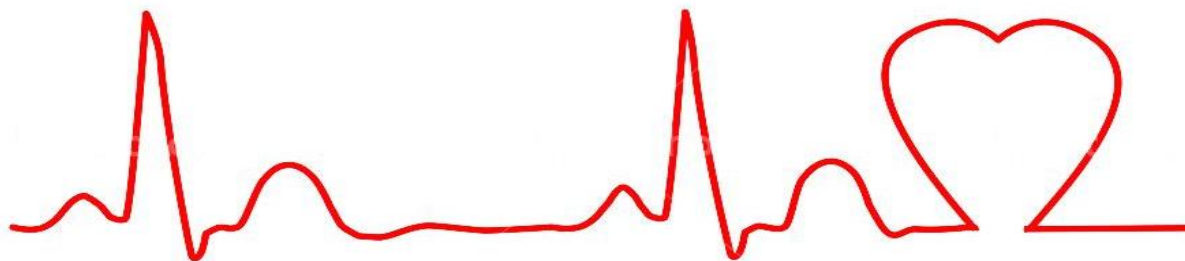
about 25 articles in journals that are included in foreign scientometric databases and have an impact-factor, more than 1,000 articles in national journals. He has over 100 patents and copyright certificates. With his active participation organized and conducted about 50 scientific conferences, including 35 international.

Under the leadership of Yabluchansky Mykola successfully defended 36 dissertations for the degree of Candidate and 3 dissertations for the degree of Doctor, as currently planned and executed 5 dissertations for the degree of Candidate and 2 dissertations for the degree of Doctor. At this stage the field of scientific and professional interests of Yabluchansky Mykola is theoretical, experimental and clinical cardiology, the mechanisms of myocardial infarction healing, heart failure, new diagnostic methods in cardiology, mathematical modeling of blood circulation and autonomic regulation of blood circulation, the philosophical problems of medicine, health care reform.

DEPARTMENT'S STAFF

The staff of the Department consists of 2 Doctors of Medicine (MD), professors; 16 Candidates of Medicine (PhD), assistant's professor; 20 assistants without a scientific degree, 3 graduate students and 5 senior laboratory assistants. The number of staffers is 79% and external part-time workers– 21%.





The high quality of education provided by years of experience and powerful potential of teaching staff of the Department. The average teaching experience of staff in high school is near 10 years.

To maintain a high scientific and pedagogical level, staff of the Department annually passes refresher courses, specializations, pre-certification cycles, thematic improvements et al., including pedagogical skills courses and courses on the implementation of innovative Internet technologies and distance learning in educational process.

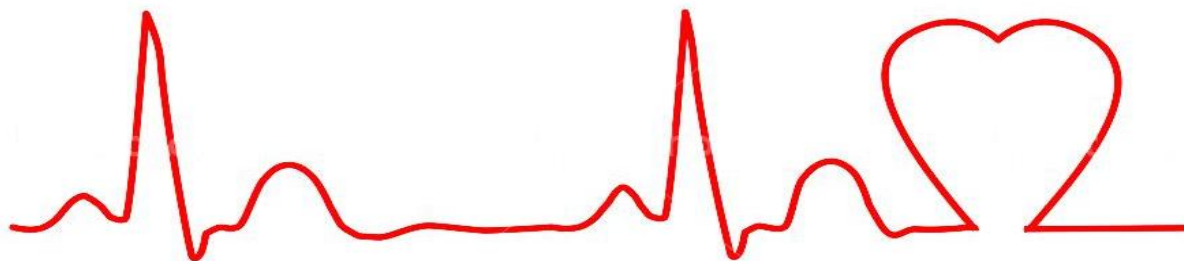
DEPARTMENT'S EDUCATIONAL WORK

Educational work of the Department is one of the priority direction of its activity. At the Department conducted teaching of students in 6 subjects in Ukrainian and English tuitions. Total amount of academic work is 38938 academic hours, of which 272 were allocated for lecture courses and 28614 – for practical, laboratory and seminar classes.



The teaching of students in the Department conducted 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 regulated standards in staff of the Department. The teaching of all disciplines in the Department is carried out in accordance with the guidelines and regulations of the Bologna process.

The educational process at the Department is carried out using modern multimedia and computer technologies, a sufficient amount of visual material with the active involvement of students in the clinical and scientific work of the Department, as



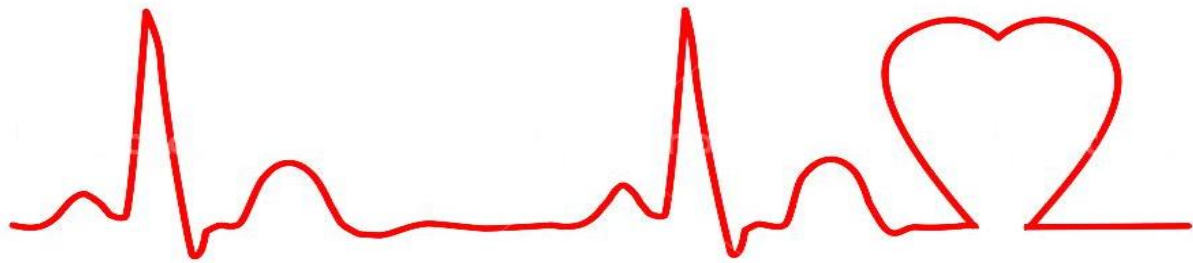
well as the use of innovative approaches to the educational process (on-line consultation for students, a discussion with students of different issues in voice and text chat, remote control of preparing students for the licensing exam STEP, etc.). During the process of training activities in the Department, students have the opportunity to get acquainted with the work of modern diagnostic and treatment equipment, which is available at the Department: sphygmomanometers, stethoscopes, 12 channel cardiographs to record ECG and check heart rate variability, spirographs, holter daily monitoring of ECG and blood pressure, inhaler, nebulizers, pick-floumetry. Diagnostic equipment of the Department is regularly updated with new modern equipment and is held annually metrological control.

Practical exercises are conducted in conditions as close to real. Students and teachers of the Department take part in the clinical examination of patients, therapeutic and diagnostic procedures in specific clinical cases, participate in clinical case analysis, symposia, seminars, consultations and have already received the grade invaluable clinical and practical experience.



Particular attention is paid to the process of learning activities, preparing students for the licensing exam test STEP 2, which is carried out with the analysis of tests of all available databases, software that was specifically designed for the School of Medicine, 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 to STEP exam in the disciplines of the Department confirmed by examination, in which the School of Medicine annually holds a leading position among the ranking of the School of Medicine of Ukraine.

During training activities the teachers of disciplines select and train the best students to take part in All-Ukrainian Olympiads, competitions, conferences,



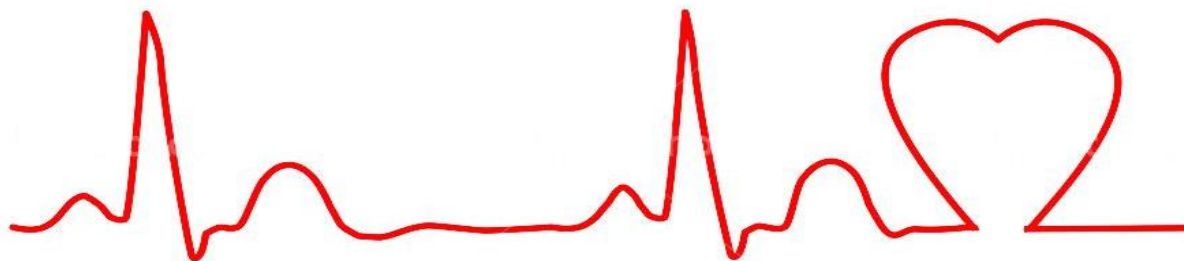
congresses, etc., in which medical students annually win prizes and certificates and are encouraged with certificates and marks of distinction.



DEPARTMENT'S DISCIPLINES

At the Department of internal medicine are trained students in Ukrainian and English tuitions in 6 disciplines, including:

1. Working practice "PATIENTS' CARE" for 2nd year students. Heads of teaching discipline: assistant professor Marina Shevchuk (Ukrainian tuition) and assistant professor Natalia Zhuravka (English tuition).
2. "PROPAEDEUTIC OF INTERNAL MEDICINE" for 3th year students. Heads of teaching discipline: PhD, assistant professor Marina Shevchuk (Ukrainian tuition) and assistant professor Natalia Skokova (English tuition).



3. Working practice "NURSING PRACTICE" for 3th year students. Heads of teaching discipline: assistant professor Marina Shevchuk (Ukrainian tuition) and assistant professor Natalia Zhuravka (English tuition).

4. "INTERNAL MEDICINE (INCLUDING ENDOCRINOLOGY)" for 4th year students. Heads of teaching discipline: assistant professor Natalia Tselik (Ukrainian tuition), and PhD, assistant professor Elena Makharinska (English tuition).

5. "INTERNAL MEDICINE" for 5th year students. Heads of teaching discipline: PhD, associate professor Natalia Makienko (Ukrainian tuition) and assistant professor Maria Brynza (English tuition).

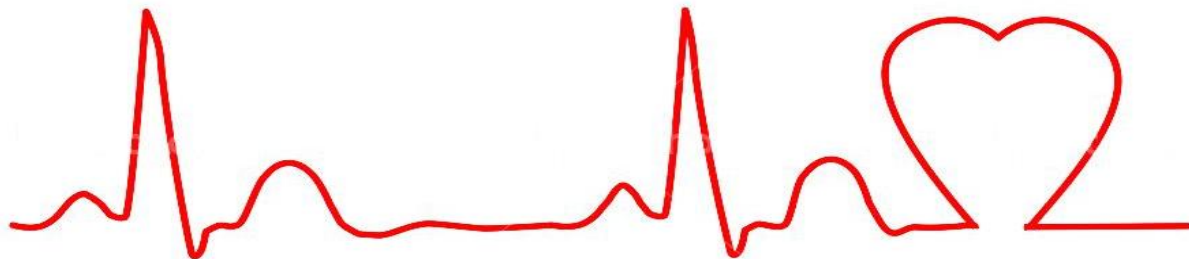
6. Module "INTERNAL MEDICINE" in discipline "INTERNAL MEDICINE WITH INFECTIOUS DISEASES AND PHTHISIOLOGY" for 6th year students. Heads of teaching discipline: Ph.D., associate professor Natalia Lysenko (Ukrainian tuition) and assistant professor Elena Petrenko (English tuition).

DEPARTMENT'S METHODOICAL WORK

Methodical work of the Department is conducted on an ongoing basis, and its result is completed methodical maintenance of disciplines. Prepared by department teaching materials are available for students in electronic form online on servers of the School of Medicine internal computer network, in University's electronic depository, as well as in printed form.

Result of department's methodical work during the period of its existence is prepared by the staff 12 textbooks with the stamp of the Ministry of Healthcare of Ukraine, 12 textbooks with the stamp of Ministry of Education and Science of Ukraine, near 50 textbooks with the stamp of the University, more than 150 study guides and methodological recommendations, including 70 - in English.

For all department's disciplines was developed and constantly kept up to date packages of methodical support, including work programs, calendar and thematic plans, methodology for assessing students' knowledge and skills, methodological recommendations for practical training for students' independent work, instructions for students' training in terms of Bologna process, database of tests and situational tasks for the current and final module control of students' knowledge and skills, checklist of questions and recommended reading, texts and multimedia presentations of lectures, etc.



DEPARTMENT'S SCIENTIFIC WORK

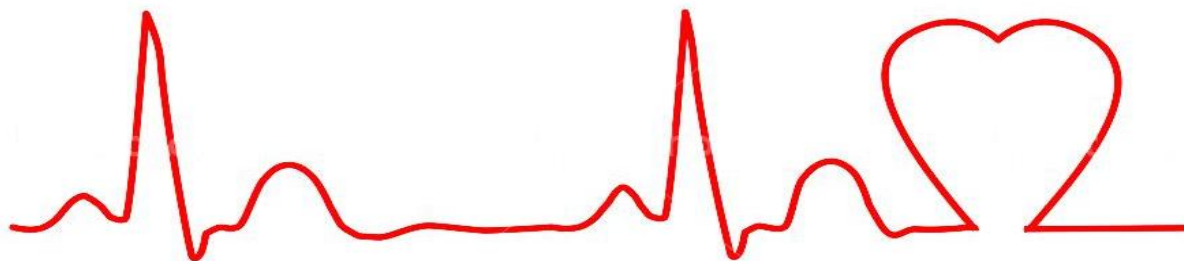
The scientific work of the Department is an integral part of its activities. Scientists who work in the department are well recognized experts in their fields, not only in Ukraine, but also abroad.



The Department carried out two new researches "Development and research of system of automatic control of heart rate variability in cardiology practice" and "Drug therapy of patients with implanted pacemakers." In addition, members of the Department are co-investigators in a major international clinical trial of a new drug for the treatment of type 2 diabetes mellitus.

Since the foundation of the Department, the staff of Department defended 20 candidates and 3 doctoral dissertations. Currently at the Department planned and executed 5 candidates and 2 doctoral dissertations.

The results of their own researches are reflected in 20 articles in a journals, that have impact factors and are included in the foreign scientometric bases and more than



200 articles in domestic specialized publications. Innovative approaches in researches are confirmed by numerous patents and copyright certificates.

Department organized and conducted 25 scientific and practical conferences, including 17 - international. The staff of the Department took part in more than 100 conferences, congresses, symposiums, forums, etc., including 70 – international, with reports on the results of their own researches.

An integral part of the scientific work of the Department is the organization of student's scientific sections, which are the structural units of the Scientific Society of Students, Postgraduates, Doctoral Candidates and Youthful Scientists of School of Medicine at V.N. Karazin Kharkiv National University.

Students of scientific sections, together with the employees of the Department, are actively involved in clinical parsing and formal care conferences, scientific conferences, congresses, forums, symposiums and researches, the results of which have already published in more than 50 articles in specialized journals, including 7 - in foreign.

At the initiative of the students of the scientific sections of the Department, organized and carried out about 30 scientific and practical conferences, including 12 - international, during which the students covered the results of their researches.

List of department's publications

Tutorials with the stamp of MOH and MES of Ukraine:

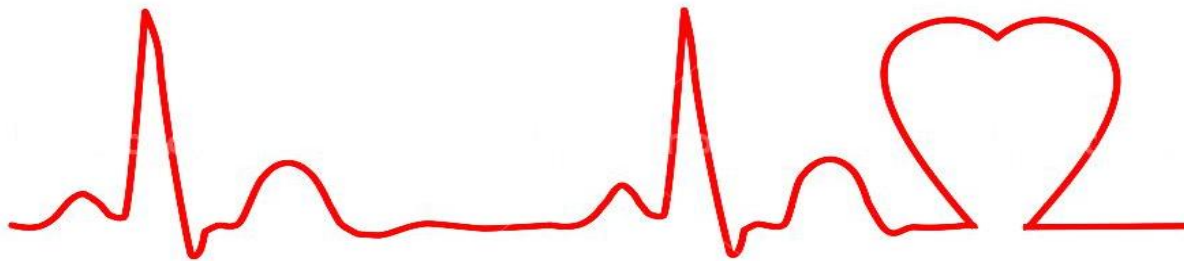
Основи діагностики, лікування та профілактики ендокринних захворювань: навчально-наочний посібник: лекції за змістовним модулем 1 / Під редакцією Л. В. Журавльової, М. І. Яблучанського. — Харків: ХНУ імені В. Н. Каразіна, 2011. — 184 с.

Терапевтическая фармакология: практическое пособие для студентов и врачей / [Абдуева Ф. М., Бычкова О. Ю., Бондаренко И. А. и др.]; под общей редакцией Н. И. Яблучанского и В. Н. Савченко. – Х.: ХНУ имени В. Н. Каразина, 2011. – 478 с.

List of scientific articles in specialized professional journals:

Шанина И. В. Постоянная электрокардиостимуляция и медикаментозное сопровождение пациентов / И. В. Шанина, Д. Е. Волков, В. В. Бойко, Н. И. Яблучанский // Серце і судини, Український науково-практичний журнал. – 2014. – № 2 (46). – С. 91–95.

Kolomytseva I. N. Functional class of chronic heart failure and clinical features of patients with permanent pace-makers / I. N. Kolomytseva, D. E. Volkov, D. A. Lopin, M. I.



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Petrenko O. V. CLINICAL CASE OF CHRONOTHERAPY OF ARTERIAL HYPERTENSION / O. V. Petrenko, L. V. Bogun, M. I. Yabluchansky // The Journal of Kharkiv V. N. Karazin` National University, Series «Medicine». – 2014. –Issue 27, № 1108. – P. 45–49.

Maltseva M. S. Importance of qtc interval duration in pacing parameters optimization and therapeutic management of the patients with permanent cardiac pacing / M. S. Maltseva, D. E. Volkov // The Journal of Kharkiv V. N. Karazin` National University, Series «Medicine». – 2014. –Issue 27, № 1108. – P. 50–72.

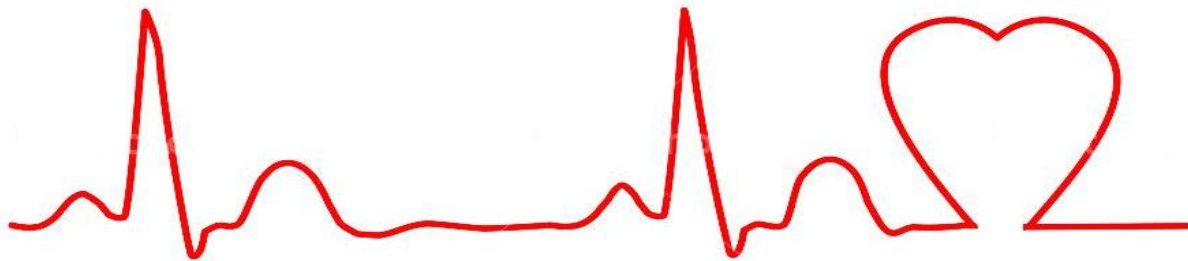
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Maltseva M. S. Class of QTc interval duration and clinical features of patients in six months after pacemakers implantation / N. I. Yabluchansky, M. C. Maltseva, D. E. Volkov, D. A. Lopin // Eastern European Scientific Journal – 2014. – № 4. C.23-29.



Мальцева М. С. Клас тривалості інтервалу QTc і функціональні показники кровообігу в пацієнтів у гострий післяопераційний період у різних режимах електрокардіостимуляції / М. С. Мальцева, Д. Є. Волков, О. О. Гунаєва-Кручина, М. І. Яблuchанський // Медицина транспорту України. – 2014. – № 2. – С. 40-46.

Коломицева І. В. Особливості перебігу хронічної серцевої недостатності та зміни гемодинамічних показників у пацієнтів у гострому післяопераційному періоді після серцевої ресинхронізуючої терапії / І. В. Коломицева, Д. Е. Волков, В. Л. Кулік, М. І. Яблuchанський // Проблеми безперервної медичної освіти та науки – 2015. – №1. - С. 29-31.

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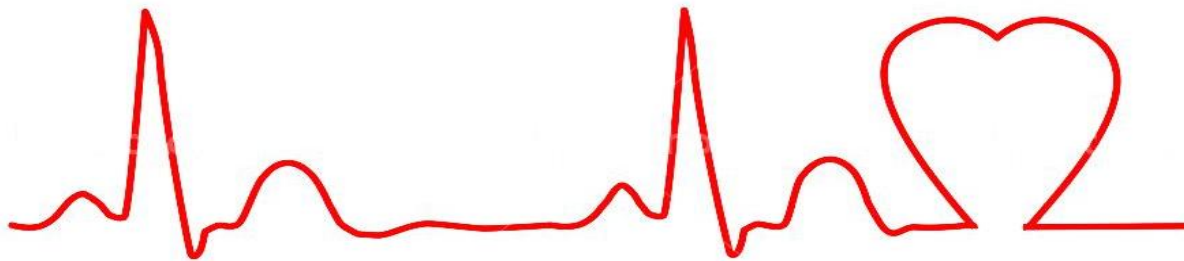
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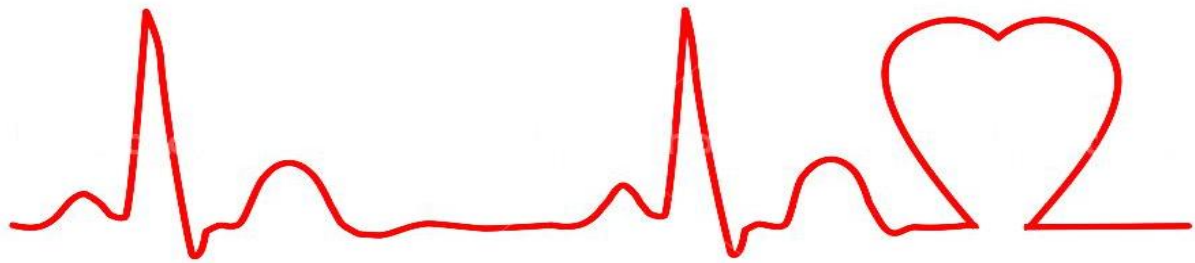
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DEPARTMENT'S CLINICAL BASES

Clinical bases of the Department of Internal Medicine are the lead agency of the health system of Ukraine, known for its scientific and clinical potential far beyond Ukraine:

1) STPI "CENTRAL CLINICAL HOSPITAL "Ukrzaliznytsia": leading medical diagnostic, organizational-methodological and scientific-practical center of Ukrainian railways in neurology, cardiology, neurosurgery, cardiovascular surgery and psychiatry. The ranges of care are from acute stage to rehabilitation, as well as providing a full examination and clarification of diagnosis for the purpose of medical labor examination for the railway workers of Ukraine.

2) KHARKOV CITY POLYCLINIC № 24: clinic consists of four medical departments where organized not only outpatient care for patients, but also day care centers and hospitals at home. Senior students have the opportunity, together with the doctors of the institution involved in the diagnosis, selection of diagnostic procedures and optimal treatments for evidence-based medicine. Highly qualified personnel and modern equipment allow high-quality primary and secondary prevention of many states in internal medicine.

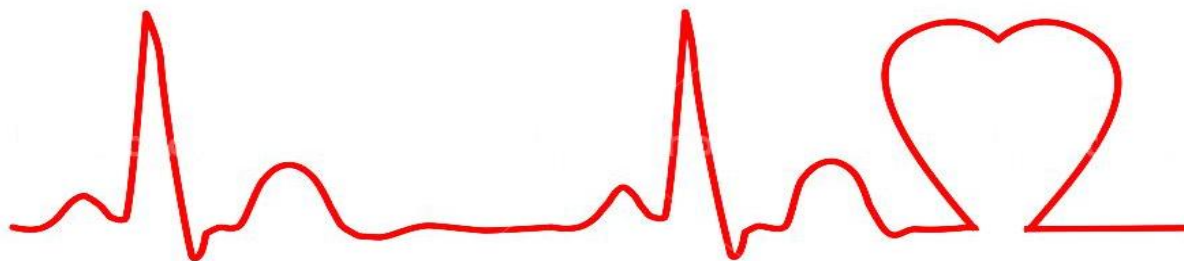


In clinical sites conducted lectures, practical and laboratory classes, clinical reviews with the participation of students, is the formation of practical skills and consolidation of theoretical knowledge.

Clinical work of the Department of Internal Medicine conducted by employees of the department at clinical sites with the involvement of students in the study of relevant disciplines.



A common practice is a multimedia clinical reviews that prepares by students with the support of teachers and after the presentation on clinical conferences are published on the website of the Department, in the depository of the University and in the form of articles in professional medical journals of Ukraine.



CONTACT INFORMATION

DEPARTMENT OF INTERNAL MEDICINE

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On the map: <https://goo.gl/maps/iMrab>

Department in social network:

<https://www.facebook.com/groups/1546331498984517/>

Directions: from the metro station "Radjanska" bus number 20; from the metro station "Uniwersytet" bus number 33 trolleybus №18; from the metro station "Piwdennyj woksall" bus number 277; from the metro station "Herojiw Prazi" bus number 17, 55, 263.

STPI "CENTRAL CLINICAL HOSPITAL "Ukrzaliznytsia"

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KHARKIV CITY POLYCLINIC NUMBER 24

Address: Str. Poltavskij Shljakh, 153, Kharkov, Ukraine

On the map: <https://goo.gl/maps/dC3wV>

Directions: any urban transport to the metro station "Cholodna hora".