

V. N. Karazin Kharkiv National University



School of Medicine



Department of Pediatrics



GENERAL INFORMATION

Today the Department of Pediatrics of V. N. Karazin Kharkiv National University is one of the leading in Ukraine in its profile, due to the highly qualified staff, use of innovative teaching approaches and clinical research. The Department provides training for the specialty 7.12010001 "Medicine case".

DEPARTMENT'S HISTORY

History of the Department of Pediatrics is closely related to the history of the Kharkiv Imperial University, which was inaugurated in 1805. At the time of the university establishment it included a medical facility with ten departments; one of them was the Department of Obstetrics focused on teaching women's diseases and diseases of the newborns.





In 1875, the Board of the School of Medicine gave the course of the children's diseases a status of a mandatory one. That was simultaneous with the opening of Kropotkin's City Children's Hospital where students could be involved into clinical work.



A separate Department of Pediatrics of the School of Medicine was established in 1892, and Mikhail Ponomarev became its Head, he had been teaching the course of children's diseases since 1875. Mikhail Ponomarev graduated from the School of Medicine of the Kharkiv University in 1868, and worked as a physician at the Obstetrics Clinic and defended his doctoral thesis "On the origin of the parauterine tumor blood" in 1873. The main scientific works of professor Ponomarev are "Revitalization of allegedly dead newborns" (1871) and "Diseases of the newborns" (1879) became the first regional manuals on neonatology.



A significant contribution to the development of pediatrics as a separate medical field was made by a prominent physician-scientist, Professor Ivan Vissarionovich Troitskiy, who worked at the Department of Childhood Diseases of the School of Medicine of the Kharkiv University from 1902 to 1923. He founded a charitable "Sick kids help center" (1891, Kiev). In 1900, I. V. Troitskiy headed the Kiev Pediatric Society and initiated a "Drop of milk" network, providing free disinfected cow's milk to children in Kiev and Kharkiv. Professor Troitskiy founded and headed the Scientific Boards and the Society to Reduce Infant Mortality. He also wrote the first textbook in pediatrics in Ukraine "Lectures about children's diseases" (1887).



In 1920, the School of Medicine of Kharkiv Imperial University was united with the Women's Medical Institute and Kharkiv Medical Institute was established on their basis.



When in 1993 Ukraine became an independent country, V. N. Karazin Kharkiv National University reopened its School of Medicine (also in 1993). The Department of Pediatrics, Obstetrics and Gynecology of the School was established in 1997, and in 2008, it started functioning as the Department of Pediatrics.

The Department of Pediatrics has been chaired from the time of its establishment by the professor Korenev Nikolay Mikhailovich, Honored Worker of Science and Technology of Ukraine, Doctor of Medicine. Under the supervision of professor Korenev our Department performs clinical research defining pathogenetic mechanisms of the



diseases, the development of contemporary diagnostic techniques, treatment and rehabilitation of children and adolescents with cardiorheumatological, gastrointestinal, endocrine and other disorders.

Through excellence, innovation and collaboration, we are dedicated to the improvement of the health of children world wide by training pediatric leaders of the future, advancing research, advocating for children and providing the nation's best from primary to tertiary clinical care.

DEPARTMENT'S LOGISTIC

The clinical training of the medical students is performed at four clinical sites, being the leading clinical and research institutions of the Kharkiv (see CLINICAL FACILITIES).

The lectures are conducted in two lecture halls equipped with multimedia systems and computers connected to the internal network of the University and to the Internet.

The seminars are conducted in 13 classrooms equipped with multimedia systems, personal computers with access to the internal network of the University and the Internet, video equipment, necessary models, visualization tools, and display materials. Medical students of the Department have a possibility to participate in the clinical rounds, clinical and scientific conferences and workshops carried out at the clinical facilities.

The educational process at the Department is based both on traditional forms of learning (work in classes, participation in clinical rounds and discussion of cases) and advanced educational approaches implying use of new software, online and distance learning technologies.

HEAD OF THE DEPARTMENT

The Head of the Department of Pediatrics is Professor, Doctor Korenev Nikolay Mikhailovich, internationally known expert in Pediatrics and Adolescent Medicine.



Professor Nikolay Korenev graduated with honors from the School of Pediatrics of the Kharkiv Medical Institute in 1956; authored doctoral thesis "Adrenocorticotrophic hormone and corticosteroids in the treatment of children suffering from tuberculosis" (1963) and habilitation thesis "The primary hypertension in children and adolescents in the industrial city (the mechanisms of development and the characteristics of the course)" (1980).



Since 1973 N. M. Korenev has been working in the Institute for Children and Adolescent Health Care of the National Academy of Medicine of Ukraine, and has been its director from 1986.

Professor Korenev N.M. is the author of more than 400 scientific papers, 10 monographs and 10 inventions patents. 18 PhD candidates and 2 higher doctorates were supervised by him. Numerous national and international medical conferences are conducted annually under supervision of professor Korenev.

Professor Korenev is the Head of the Task Group "Health of school age children and adolescents", member of the Kharkiv Medical Society, of Board of Academics of Kharkiv National Medical University and Kharkiv Medical Academy of Postgraduate Education, Vice-President of Kharkiv Pediatric Association, Head of the Kharkiv office of the Ukrainian Children's Fund, Editorial Board member of seven research magazines.

Recipient of numerous Awards of the Academy of Medicine of Ukraine, including two Orders of Honor, Distinguished Expert of Medicine Badge, Silver Medal for the best innovative project in the field of Medicine of the Eastern region of Ukraine, a medal of the V. N. Karazin Kharkiv National University (2011), a diploma of the Kharkiv City Council (2012) and more.

Research interests of professor Korenev:

⇒ basic and clinical pediatric research: mechanisms of hypertension, treatment, rehabilitation and follow-up of adolescents with hypertension; development of new noninvasive tests for diagnosing gastrointestinal disorders in children and adolescents, using gas-sensitive sensors;



- ⇒ health state of children and adolescents who suffered from the Chernobyl disaster; organization of their medical care;
- ⇒ socio-medical problems of unprotected populations of children (disabled children with chronic illnesses, orphans and abused children), scientific rationale for organization of medical care;
- ⇒ reformation of the health care by developing new standards for the follow-up of children from rural areas of Ukraine.

DEPARTMENT'S STAFF

The staff of the Department consists of one Honored Master of Sciences and Engineering of Ukraine; one Honored Doctor of Ukraine; 5 Doctors of Medicine and professors; 22 Ph.D.s, associate professors; 7 assistant without scientific degree. Share of the permanent employees- 25%, share of the external part-timers –75%.





The average length of the teaching experience of the Department staff exceeds 20 years. To comply with the educational industry standards our staff continuously undergoes numerous trainings and workshops, participates at the certified programs in various disciplines and specializations, including courses on pedagogical skills and teaching philosophy, and innovative online educational technologies and distance learning programs.

DEPARTMENT'S EDUCATIONAL WORK

Teaching is one of the priority directions of the Department's work. The department provides training of medical students in six subjects in Ukrainian and English languages. The total of 21,596 academic hours are being taught; out of them 180 are in lectures, and 17284 –in practical classes.

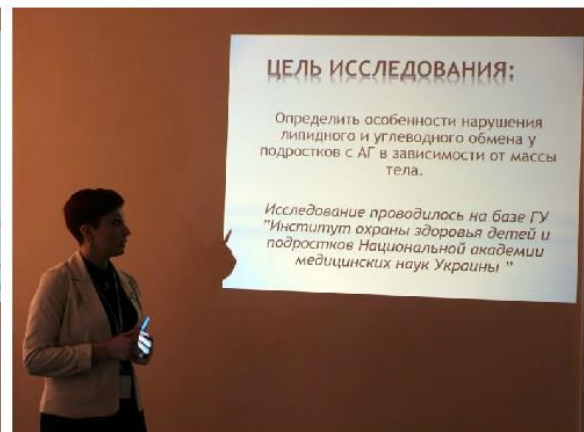
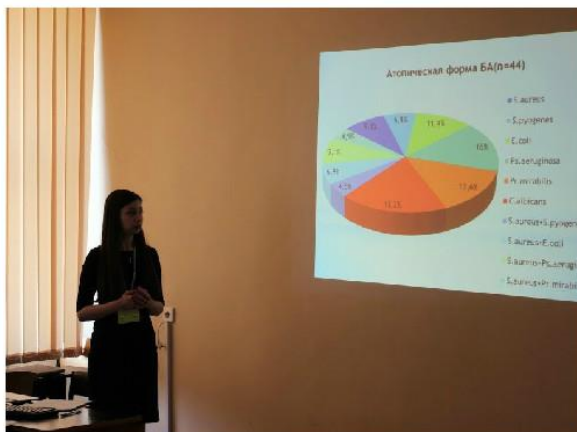




Teaching is performed in compliance with the recommendations of the Ministry of Public Health and the Ministry of Education of Ukraine approved by the Central Methodical Department of Higher Education of the Ministry of Public Health of Ukraine. The teaching of all disciplines of the department is carried out in accordance with the recommendations and rules of the Bologna process.

The educational process at the Department is carried out using modern multimedia and computer technology, a sufficient number of visual materials, innovative educational tools(online counseling for students; discussions using voice and text chat; remote control of the current performance).

In the process of training students have the access to the modern diagnostic systems and treatment systems, such as endoscopy, pH-metry, ultrasonography, ECG and 24-hours BP monitoring systems, ECG, EEG, equipment of the clinical and bacteriological laboratory, computational radiology laboratory, etc.





During the clinical training students participate under supervision of the department's staff in management of patients, including interrogation, physical examination, choice of diagnostic and therapeutic measures in specific clinical cases, participate in clinical rounds, and consultations of specialists.



Special attention is paid to preparing students for the licensing examination (KROK 2), by discussing examination database test questions, with further intermediate control of performance. The School of Medicine and Department of Pediatrics take leading positions among the schools of Medicine of Ukraine due to results of the KROK -2. Department staff provides assistance for the best students for participation in Ukrainian and International Olympiads, competitions and conferences where our students win numerous awards, grants and marks of distinction.



DEPARTMENT'S DISCIPLINES

The study process is conducted in Ukrainian and English languages. The department provides undergraduate pediatric education for the six following disciplines, including:

- ⇒ Patients' Care (2nd year)
- ⇒ Nursing Practice (3rd year)
- ⇒ Propaedeutic of Pediatrics (3rd year)
- ⇒ Pediatrics (4th year)
- ⇒ Pediatrics
- ⇒ Children's Infectious Diseases (5th year)
- ⇒ Pediatrics and Children's Infectious Diseases (6th year).



DEPARTMENT'S METHODOICAL WORK

The Department has developed numerous methodical recommendations for practical classes and study guidelines, calendar-thematically plans, lists of recommended literature sources, examinations tests and case studies according to Bologna Process. The above materials are available in view of multimedia presentations, computer documents and paperback versions at the University library.



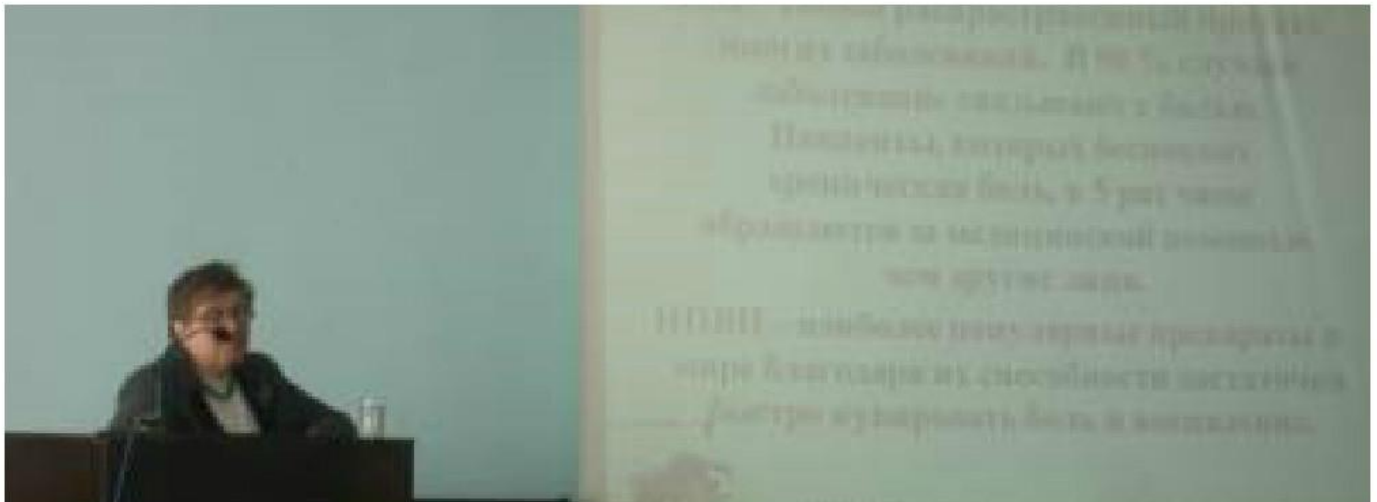
DEPARTMENT'S SCIENTIFIC WORK

Scientific work is an integral part of the department's activity. Our publications encounter over 732 peer-reviewed manuscripts including 12 monographs, 29 methodological recommendations and over 19 patents for inventions. Since the establishment of the Department, 3 habilitation and 2 doctoral research projects in Medicine were defended. Medical students of the Department have a possibility to participate in the clinical rounds, clinical and scientific conferences and workshops carried out by the Institute.



Our research interests:

- ⇒ Improvement of diagnostics of gastroduodenal diseases in adolescents associated with *Helicobacter pylori*.
- ⇒ Role of intracellular pathogens in infectious pathology of children.
- ⇒ Pathogenetic mechanisms of hypertension in adolescents with obesity.
- ⇒ Mechanisms of diastolic dysfunction of the left ventricle in adolescents with myocardial disorders.





Scientific collaborations:

Country	Partner organization	Details
Uzbekistan	NATO	Advanced materials and methods for health protection.
Australia	MCVB	Travel Grant of the Victorian Government and MCVB.
South Africa	WSPID	Education Workshop Fellowship at the 8th World Congress of Pediatric Infectious Diseases
Japan	Japanese Society of Gastroenterology	Travel Award of the Japanese Society of Gastroenterology; Invited Speaker

According to the traditions of classical university education, our students have a possibility to participate in the research projects carried out at the department and/or to carry out own research under supervision of the Department mentor, and to participate in scientific conferences. Manuscripts, co-authored with students are published in 14 research magazines.

DEPARTMENT'S CLINICAL BASES

The clinical training of the medical students is mainly performed on the facilities of the Institute of Children and Adolescent Health Care of the National Academy of Medicine of Ukraine, a tertiary level medical establishment, encompassing Divisions of Pediatrics, Pediatric Cardiorheumatology, Pediatric Psychiatry, Pediatric Gynecology and Pediatric Endocrinology, with 200 beds. Medical students have a possibility to participate in the clinical rounds, clinical and scientific conferences and workshops of the Institute.

Other clinical facilities of the Department include Municipal Hospital of Children's Infectious Diseases, Municipal Children's Clinical Hospital № 24 and Municipal Children's Hospital № 23.



CONTACT INFORMATION

DEPARTMENT OF PEDIATRICS, State Institution "Institute for the protection of the health of children and adolescents of the National Academy of Medicine of Ukraine"

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Website of the Department: <http://pediatria.at.ua>

Department in social network: <http://www.facebook.com/kafedra.pediatrici>,
<https://www.facebook.com/groups/1637511653132486/>

Website of clinical base of the Department: <http://iozdp.org.ua>

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Directions: trolleybus number 24 from the Subway Station Academician Barabashov

Location map: <https://goo.gl/maps/Zw1Y21Z7q1T2>