

*We've been protecting children's health for over a century!*



**PEDIATRIC**  
**University**





# Pediatric University



DECREASE OF INFANT  
AND CHILD MORTALITY is our mission since **1905**

**98%**  
EMPLOYMENT  
of graduates according  
to their specialty

**42 897**  
**142 534**

doctors graduated  
doctors took advanced  
training courses

Our graduates work

in **111**  
**countries around the world**

**17%**  
international  
students

**500+** graduates are honored doctors  
of the Russian Federation

**>16 mln** patients

**1,7+ mln**

surgeries were performed;  
1/3 of them were high-tech surgeries

**397 883** citations of  
publications in the RSCI\*

**1 132** patents and PC programs

**1 place**  
among all universities  
and medical organizations  
according to the  
Hirsch index of the RSCI\*

\* Russian Science Citation Index

**We work with the most difficult cases!**

**TUMORS OF ALL LOCALIZATIONS**

**CONGENITAL HEART DEFECTS**

Clefts of the trachea and larynx

**Vascular malformations**

**LIVER, KIDNEYS, INTESTINES AND OTHER  
ORGANS MALFORMATIONS**

**INVERSION OF INTERNAL ORGANS**

**INTRAUTERINE LAPAROSCOPIC CORRECTION OF FETAL MALFORMATIONS**

**KROPP'S SURGERY IN CHILDREN**

Retrograde intrarenal surgery in children with urolithiasis  
using a flexible urethroscope

One-stage excision of a giant nevus of the back,  
lumbar region and both buttocks with free skin grafting  
of the wound defect

**X-RAY ENDOVASCULAR BIOPSY OF A HEART TUMOR IN A 6-MONTH-OLD INFANT**

**GENETICALLY ENGINEERED  
IMMUNOBIOLOGIC THERAPY**

**HYBRID TECHNOLOGY FOR TRANSVENTRICULAR CLOSURE  
OF INTERVENTRICULAR SEPTAL DEFECTS**

**FIRST IN RUSSIA**

**GPMU.ORG**



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[vk.com/news.gpmu](https://vk.com/news.gpmu)

GREETINGS OF RECTOR

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## GREETINGS OF RECTOR

Children's health and well-being are the main values for every family. The harmonious development of both each single citizen and the whole country depends on these two factors. We as a part of Pediatric University clearly realize this.

From the very first days of its work, our University has been studying the possibilities of reducing the level of infant and child mortality. Over the years, the team has experienced a lot, but the students of the Pediatric University invariably remain devoted to their work.

Today the University is the coordinator of a large-scale network of Perinatal Centers across the country. Every year our leading experts visit to more than 60 regions of the Russian Federation. In addition, specialists of Pediatric University annually conduct more than 3000 telemedicine consultations of doctors from all over Russia. And it gives its fruitful results. Only for the last 5 years our country managed to achieve a historically record low infant mortality rate, which decreased from 6.0 to **4.1 per mille** (‰). And this is far from the limit.

We are ready to stretch our helping hand to every colleague from any corner of the world who asks for our help, for the common goal – the health and well-being of all children!



**Dmitry Olegovich Ivanov**  
Rector of St. Petersburg State  
Pediatric Medical University,  
MD, PhD, Professor, Chief Neonatologist  
of the Ministry of Health of Russia

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The maintaining health of the mother and child  
from the first days of life is the main priority  
of the Pediatric University.



## A BRIEF HISTORY OF THE PEDIATRIC UNIVERSITY

The Children's Hospital «In Memory of the Holy Coronation of Their Imperial Majesties» was opened on the Vyborg side of St. Petersburg in 1905. Twenty years later, in 1925, the Leningrad Scientific and Practical Institute of Maternity and Infancy Protection, in 1935 renamed as the Leningrad Pediatric Medical Institute – the world's first higher educational institution for the training of pediatricians – was organized on its basis. Before the beginning of the Great Patriotic War, five graduations were realized, 530 pediatric doctors were trained. More than 3000 doctors took advanced training courses at the Institute.

At the beginning of the Second World War, more than 400 thousand children who had not been evacuated in time remained in Leningrad. Realizing the complexity of the situation, the University management decided to stay in the besieged city and continue its work. Pediatric Institute was the only medical school in the city that did not stop its activities even for a day. During the siege days under the hail of bombing and shelling, the doctors treated and took care of emaciated children and mothers, and the scientists developed unique vitamin and nutrient mixtures from natural materials: pine needles, drying oil, etc. The feat of pediatricians during the blockade is commemorated by a monument and a memorial plaque on the territory of the University, where students annually lay fresh flowers in memory of the victims of the siege of Leningrad.

After the war, the heroism of pediatricians in Leningrad became known all over the world. Delegations from the USA, Great Britain, India and other countries visited the University. The entire medical community of the Leningrad Pediatric Institute worked with redoubled vigor, trying to make up for the lost time during the war years. It was here where the first in the country department of pediatric gynecology and the first in Europe department of pediatric neurology were founded, for the first time in the country by the efforts



Visiting the Clinic guest from India. On the left Rector of the Institute Prof. N.T. Shutova,  
On the right, Head of the Clinic A.I. Petrunina, 1950s



In Clinic, 1941



O.F. Tarasov (in the center), active member of the Indian Academy of Pediatrics, among Soviet and Indian colleagues, 1968

of doctors there was completely treated a little patient with tuberculous meningitis, the first in the USSR surgery to correct esophageal atresia was performed, the foundation of Russian neonatology was laid...

From 1964 to 1968, the Scientific and Practical Pediatric Center of the Soviet Red Cross in New Delhi was headed by Associate Professor of the Pediatric University Oleg Tarasov. Patients flocked to the Center not only from the capital, but also from other, sometimes very remote regions of the country. Regular lectures and classes were held with students of Lady Harding Medical College, demonstrative clinical cases of the most complex and problematic patients with the most diverse pathology were analyzed with students of medical colleges of Bombay, Madras, Hyderabad, Trivandrum. The first student scientific society in the history of medical education in India was organized. A huge scientific, methodological and advisory assistance was provided to the Kalavati Saran Children's Hospital in New Delhi.

Throughout its history, the main task of the University has been to ensure sustainable dynamics of infant and child mortality reduction. It was here that the methods of statistical study of child mortality, which became the basis for the creation of a medical and preventive system of assistance to children, were first developed.



## PEDIATRIC UNIVERSITY TODAY

Pediatric University is a large educational and scientific-clinical center, where more than 6,500 students, 1,000 residents and 6,000 students of additional professional education courses are trained annually. During just one year the University Clinic diagnoses and treats more than 100 thousand patients, and unique technologies developed at the University are widely used in the treatment. According to Russian science citation index science metric indicators, the University ranks first among Russian medical universities. The University is the coordinator of a large-scale network of perinatal centers in the country. Since 2020, the National Medical Research Center for Pediatrics has been auditing pediatric care as part of its work, and the university-region program has been analyzing the organization of care for patients with cardiovascular, oncological pathology and other socially important diseases.

Our specialists audit patients' case histories, review the most complex clinical cases. In addition, SPbSPMU doctors conduct master classes on surgical interventions in patients, provide lectures and speeches, participate in patient examinations, and organize mass examinations of the population of remote regions of the Russian Federation. The Pediatric University has accumulated a lot of experience in the treatment of children with the most complex pathologies. We are happy to share our unique developments and approaches to surgical interventions with our colleagues. Our Clinic performs unique surgeries on arteries and veins, as well as on the heart in newborn babies using 3D modeling and X-ray endovascular interventions, fetal laparoscopic surgeries, laryngotracheoplasty, urological and coloproctological surgeries, balloon occlusion of the aorta during cesarean section and many others.



Ivan Lyakhov (on the right), Vice-Rector for Operations Management, Administration and Educational Work, after signing a cooperation agreement with Amrillo Inoyatov (on the left), Minister of Health of Uzbekistan



## INTERNATIONAL COOPERATION

Pediatric University started training pediatricians for different countries of the world in 1949 and today it aims at further development of cooperation and implementation of joint scientific and clinical projects, as well as educational programs with foreign partners. As of the beginning of 2023, more than 1200 foreign students from more than 70 countries, including India, are studying at Pediatric University. Among our partners in the field of science and education there are more than 30 leading international scientific, educational and medical institutions. More than 10 joint educational programs with foreign universities are being implemented. New dual degree model programs are being developed. The high level of achievements of Pediatric University graduates in different countries of the world is recognized.

The Pediatric University Clinic annually receives more than 500 patients from foreign countries for their treatment.

### Priority areas for development of cooperation with foreign partners:

- 1) educational cooperation (joint educational programs, dual degree model programs, educational and methodological cooperation, academic mobility of students and professors);
- 2) scientific cooperation (joint realization of scientific grants; international academic exchange of researchers, professors and students; joint organization of scientific conferences, congresses; joint research and publications);
- 3) cooperation in the field of scientific and clinical research, exchange of experience.



Students from India perform at the "Joy of the World" festival

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We are grateful to the specialists from St. Petersburg for the invaluable experience we can gain. This is a very good opportunity to develop medicine in Uzbekistan

Graduate of the Pediatric University,  
Rector of the Fergana State Medical Institute of Public Health  
**Akmal Sidikov**





**UNIVERSITY  
CLINIC**



## UNIVERSITY CLINIC

Today, the Children's Clinical Hospital at St. Petersburg State Pediatric Medical University is one of the largest in Russia. It is a leading multidisciplinary federal medical institution with a huge scientific base and centuries-old traditions of the Leningrad School of pediatric doctors.

More than 100 thousand children receive qualified medical care at the Clinic every year. The Clinic's specialists are doctors of the highest level, candidates and doctors of medical sciences (PhD) with many years of experience. They provide surgical and therapeutic, high-tech and specialized medical care in both planned and emergency cases in all pediatric specialties.

Modern equipment of operating units allows performing surgical interventions of any complexity. Endoscopic equipment provides minimally invasive surgeries on various organs and tissues, which significantly reduces the length of stay of young patients in the hospital.

The Clinic is also equipped with modern diagnostic equipment: multispiral computer tomography, MRI, expert-class ultrasound scanners, radiosurgery unit, modern radioisotope laboratory. Clinical



and biochemical, bacteriologic, immunologic laboratories allow performing the whole range of high-tech medical research. On the basis of the university Clinic, patients with malformations and urodynamic disorders are operated on, children with urolithiasis are treated, patients with all nosologies, children with traumas, congenital malformations and oncological diseases, disorders of the musculoskeletal apparatus are treated, and endoprosthetic procedures of limb joints in children are performed.



The departments of the University Clinic examine and provide medical care to children with pathology of the thyroid gland, adrenal glands, with insulin-dependent diabetes, including the use of pump therapy, with traumatic involvement of the spleen, correct congenital malformations of the colon and anorectal part, provide emergency, round-the-clock angiomicrosurgical care for children and much more.

In addition, the Clinic of the Pediatric University specializes in providing medical care to newborns with various diseases, including children with congenital anomalies and malformations, doctors actively apply new technologies for nursing profoundly premature babies born with extremely low and very low body weight. If necessary, pediatric surgeons, neurologists, ophthalmologists, and neurosurgeons are involved in the patient's treatment.

The University Clinic has all possible human and material resources to provide highly qualified medical care to children, as well as to women in labor and delivery and women with reproductive disorders.

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**The loss of a child is a tragedy for the family, for the clan, and for the entire state. Our task, together with the medical community, is to do everything possible to provide medical care to premature infants.**

Rector  
of St. Petersburg State  
Pediatric Medical  
University  
**Dmitry Ivanov**



## LAPAROSCOPIC FETAL SURGERY

Doctors of the Clinic of St. Petersburg State Pediatric Medical University for the first time in Russia successfully performed intrauterine laparoscopic intervention for a child diagnosed with spina bifida in 2022, the operation was successfully introduced into routine practice. Such surgeries are rare in the world.

Usually, babies with spina bifida are operated during the first 24 hours after birth. This is one of the most serious defects of the fetal neural tube. With this pathology, amniotic fluid begins to destroy the spinal cord and nerve roots of the baby already at a late stage. A spinal hernia is formed in the undeveloped vertebrae. The consequences depend on the size and localization of the defect, many patients have paralysis of the lower limbs and pelvic organ dysfunction. However, international experience has shown that prenatal closure of the defect can improve neurological development and improve the quality of life of the child, so specialists of the Pediatric University perform intrauterine correction of the malformation by laparoscopic access.

Fetal surgery is performed on fetuses at 23-26 weeks' gestation without incision of the uterine cavity using the laparoscopic method. The amniotic water is completely replaced by carbon dioxide, which allows to perform this jewel-like operation. After the intrauterine stage is completed, the water is replenished with a warm multi-component solution. To close the spinal canal doctors use a special membrane. Next, the skin is sutured over the corrected defect. By the time the child is born, the wound will have already faded, and only a small scar will remind of the incident.

Laparoscopic surgeries are also being introduced to correct other congenital malformations during intrauterine period.



## MINIMALLY INVASIVE HEART SURGERIES

Pediatric University is the only pediatric clinic in the the North-West Federal District, and its specialists know the technique of minimally invasive access for cardiac surgeries. Axillary thoracotomy makes it possible to avoid a chest incision in a number of surgical interventions and, consequently, to exclude many complications.

Surgeons access the right side of a patient's heart through a small, 4-5 centimeter, incision in the axilla and can correct malformations such as atrial septal defect (ASD), interventricular septal defect (IVD), atrioventricular communication incomplete (AVC) and partial anomalous pulmonary vein drainage (PAPVD).

In March 2022, doctors of the Pediatric University improved the technique by using a new generation of minimally invasive retractor (wound expander) «Ultavision». The peculiarity of the device is that it is equipped with a built-in backlight, which provides optimal visualization. Only doctors of the Pediatric University have such a retractor in Russia. This makes the work easier and safer for the patient. Application of this technique allows to significantly reduce pain syndrome and shorten the rehabilitation period.

The Pediatric University Clinic has also performed more than 10 surgeries on children with cardiac oncopathologies. The University has all the capabilities to successfully perform these unique surgical interventions even in newborn children due to an experienced team of surgeons, oncologists, cardiologists, neonatologists and intensive care specialists.



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Little children suffer extremely during traveling, so for complex patients from the regions, surgery performed by the surgeons from the Pediatric University on site is often the only chance for life.

We try to save everyone.

Deputy Chief  
Physician of the  
Pediatric University  
for Neonatology and  
Anesthesiology-  
Resuscitation  
Alexey Yakovlev



## ANGIOMICROSURGERY

The Department of Microsurgery is the only center in St. Petersburg and the North-West Federal District providing emergency, round-the-clock, angiomicrosurgical care for children. Microsurgical autotransplantation of tissues is performed here: transplantation of intestine segment, bone segment, testicle, kidney, full-layer flaps, venous valves, joints and fingers. Interventional radiosurgery and angio-oncology surgery are used. Angiosurgical methods of surgery are used for treatment of vascular malformations: dysplasia of main veins, arteriovenous dysplasia, fibro-muscular dysplasia of arteries; lymphostasis (lymphovenous anastomoses); varicose veins; varicocele (bypass anastomoses); thromboses: superior vena cava, orofemoral, in vascular malformations, etc.; injuries of arteries and veins and veins and their consequences; defects in the maxillofacial part and plasty of facial and neck defects by transplants; congenital lymphedema and others.

For example, a number of complex reconstructive surgeries in children have been performed recent months:

- ✓ Hand reconstruction for a teenager with incomplete traumatic amputation of several fingers of the left hand, multiple ulnar bone fractures and lacerations due to a firecracker explosion. A 12-hour surgery resulted in the hand being reconstructed.
- ✓ The propeller blades of an airboat crushed the hand of a 12-year-old girl, but an 11-hour intervention by Pediatric University surgeons saved the patient's hand and all her fingers.
- ✓ Autovenous plasty (the surgeons replaced a considerable defect of the brachial artery with a fragment of the patient's saphenous vein) restored blood supply to the shoulder and hand of a 17-year-old teenager. Two teams of doctors worked for 10 hours, reconnecting the damaged nerves and vessels.



## THE USE OF BALLOON AORTIC OCCLUSION IN CASE OF CESAREAN SECTION

Caesarean section in patients with placental ingrowth is always associated with the risk of extensive blood loss. In addition to a long recovery after the surgery, there is also a significant risk to the life of a woman preparing to get the happiness of motherhood. Doctors of the Perinatal Center of Pediatric University applied the balloon occlusion method, which is widely known in traumatology, for one of the women in labor, saving the young mother not only from unnecessary risks, but also from a malignant tumor.

The essence of the technique is the temporary closure of the abdominal aorta with a special plug, which allows the surgery to be performed with virtually no blood loss. The situation faced by the doctors of St. Petersburg State Pediatric Medical University was complicated by the presence of a cancerous tumor in the patient. Doctors of the Pediatric University made a lot of preparatory work: the pregnancy was observed and prolonged as long as possible – all this to allow the fetus to form in its maximal way. Previously, in such cases, women were given an abortion. Today, due to the application of a unique technique, the patient became a mother for the third time and got rid of the tumor. According to the University's Rector, the Chief Neonatologist of the Russian Federation Dmitry Olegovich Ivanov, it was the first time in the world that this technique was used during the delivery of a patient with a tumor.

“There are cases of application of this technique in traumatology, there are some cases in obstetrics, and in the situation faced by our colleagues, there is not a single case of aortic occlusion. This allows us to talk about the first operation of this character in the world”.







**EDUCATION**



## EDUCATION

St. Petersburg State Pediatric Medical University provides a complete continuous cycle of professional education. As of today, more than 6,500 students from Russia and more than 100 foreign countries are studying at the University. Professors of the University are recognized and leading experts of national medicine, doctors of medical sciences, professors, chief specialists of regional and federal levels with many years of experience, who have taught more than one generation of doctors. Our graduates work throughout the country and abroad, heading departments, hospitals, polyclinics, health departments and divisions.

Today St. Petersburg State Pediatric Medical University is one of the leading medical universities in Russia in training pediatricians and general practitioners. This is achieved by training young specialists not only during lectures in classrooms and in the modern simulation center, but also at the patient's bedside under close supervision of professors. The educational process in the University is built in such a way that in each course the form of student practice was as close as possible to the professional activity of a doctor. Thanks to the "immersion effect" the student gets acquainted with many aspects of his future work, and after graduation from the University, a certified doctor is ready for any most difficult and stressful situation.



Currently, higher education at the Pediatric University can be obtained in such areas as pediatrics, general medicine, dentistry, medical and preventive medicine, medical biophysics, clinical psychology, special (defectology) education.

Each student of any of the directions has a unique opportunity to try himself in science. To do this, the Pediatric University has Student Scientific Society circles that allow future doctors to conduct their own research in a group of like-minded people. To promote student science, all conditions have been created at the University: a special laboratory equipped with a modern operating room has been organized, in which young scientists can perform surgical interventions using rodents and rabbits, a 3D table and 3D printers have been purchased for more detailed visualization of the results of students' research. Due to such support, our students annually become prize-winners and winners of city and All-Russian competitions of scientific grants, winners of Olympiads and competitions.

Foreign medical study courses are in special demand among the students of Pediatric University, which allow not only to practice their skills, but also to get acquainted with the latest medical techniques of other countries, as well as to make new friends all over the world. Every year students of Pediatric University visit Thailand, Montenegro, Brazil, Poland, Uzbekistan, Tajikistan, Portugal and other countries.

In addition to studying and science at the University, close attention is paid to extracurricular life. For many years, the Hippocrates student theater club has been actively working at the University, in which everyone can realize their creative potential with the participation of professional certified artists. The members of the creative team are regular participants of the University and city events, laureates and prize-winners of competitions and festivals in St. Petersburg and Russia.

After studying according to the main educational programs, students can continue their studies during residency courses, master's and postgraduate studies, as well as take advanced training courses.



## MASTER'S DEGREE, POSTGRADUATE STUDIES, RESIDENCIES AND ADDITIONAL PROFESSIONAL EDUCATION

Education for master's degree, postgraduate studies, residency and cycles of additional professional education at the Pediatric University is aimed at training highly qualified specialists of different profiles and continuous improvement of their qualifications.

The Pediatric University implements 2 educational programs of Master's degree ("Organization of Health Care and Public Health", "Defectology").

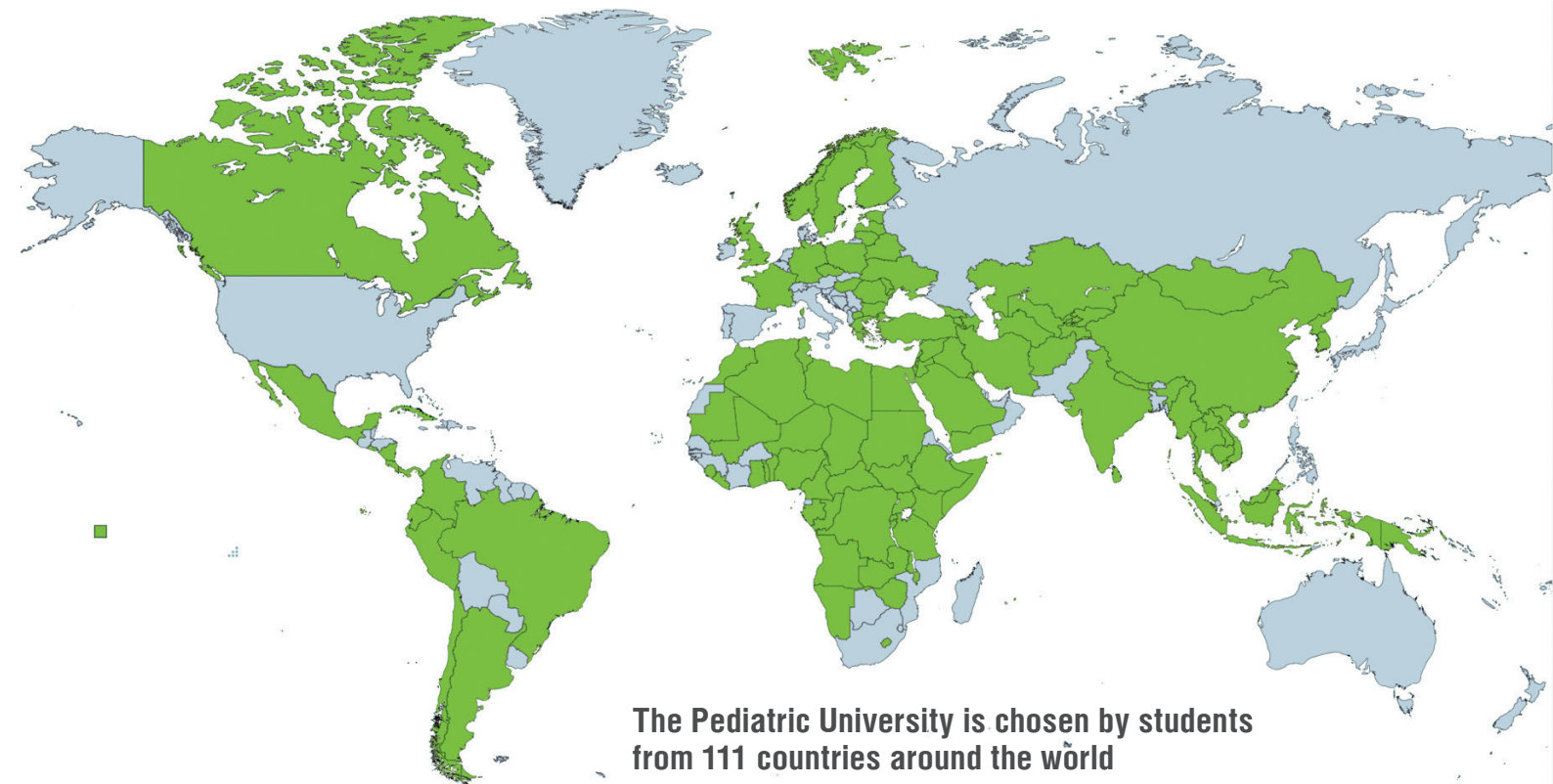
Postgraduate studies are carried out full-time and part-time in 5 areas of training: Biological Sciences, Fundamental Medicine, Clinical Medicine, Medical and Preventive Medicine, Psychological Sciences.

Residency training is conducted in 52 specialties; more than 1,000 physicians are trained annually.

The Faculty of Postgraduate and Professional Education annually organizes 221 planned professional development cycles, where doctors from all over Russia are trained. Training takes place on the bases of the University and leading clinics. It is possible to hold visiting cycles in the regions.

Pediatric University implements professional retraining programs in 41 specialties, as well as advanced training in 71 specialties. Training at the cycles takes place in full-time and full-time distance learning. Since 2016, the University has been organizing author's cycles. Every year more than 6000 people are trained at the professional retraining advanced training cycles.

Our University has created conditions for continuous professional education, including all stages, starting from the preparatory department and ending with training during residency and postgraduate studies. Doctors get the opportunity of practical training in different specialties provided by the best



professors and clinicians of the country. Along with traditional methods of the domestic school of higher medical education, modern information technologies are used in training. Special attention is paid to practical training of a doctor in the conditions of the simulation center.

The priority areas of the Faculty of Postgraduate and Additional Professional Education are pediatrics, neonatology, anesthesiology and resuscitation, obstetrics and gynecology, pediatric surgery, pediatric cardiology, pediatric endocrinology, pediatric oncology, neurology, dermatovenerology, infectious diseases, radiology, ultrasound diagnostics.

The University has a modern simulation center where practical training in different specialties is conducted. The University actively develops the training and methodological center of "economical technologies".

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**The assessment of specialists from such federal centers is very important to us. We are very grateful to the Pediatric University that their doctors are with us today. We will implement all their suggestions in our obstetrics system.**

Head of the Maternity and Childhood Protection Department of the Ministry of Health of the Republic of Dagestan  
**Raisa Shakhsinova**





**SCIENTIFIC  
RESEARCH**

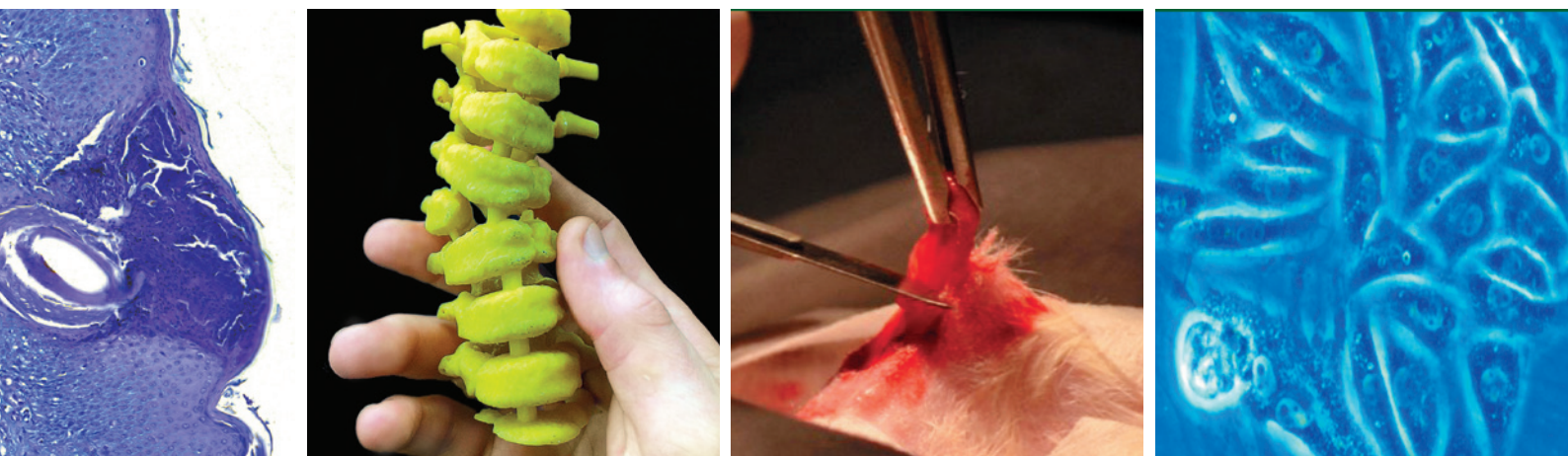


## SCIENTIFIC RESEARCH

The main goal of research and innovation activities of the University is to obtain new fundamental knowledge, search for progressive principles of solutions to applied problems, create original medical, pharmaceutical technologies, social and humanitarian practices, ensure a high scientific and technical level of personnel training, implementation of research and development results in medical practice. The conceptual direction of scientific policy of Pediatric University is the formation and development of predictive-preventive and personalized medicine. The results of fundamental and applied scientific research conducted at the Pediatric University contribute to the preservation and strengthening of physical and mental health of children, to the solution of demographic, social and economic problems.

The work on the study of genetic markers of multifactorial diseases, such as bronchial asthma, diabetes mellitus, adrenogenital syndrome, disorders of sexual development in children, etc., is indicative. There are also active developments aimed at identifying genetic determinants of autoimmune and ethnically associated diseases in children. New methods of using cell technologies (stem cells) and nano-fiber coatings in the treatment of Hyssprung's disease, spinal cord injuries, burns, scalp wounds, etc. are being developed. Of particular interest is the research on the creation of bioengineered trachea and aorta implants. These unique developments have been successfully tested on rodents and will soon be able to save the lives of thousands of children, as they solve the problems of immune tolerance in transplantology and the problems of donor organs for children (these transplants grow with the child).

The Pediatric University is bound by partnership and scientific cooperation agreements with leading foreign medical institutions: Hebei Medical University, Beijing University of Traditional Chinese Medicine, Academic Clinic of Qingdao University (China), Bundan Hospital of Seoul National University (South Korea), Bukhara Medical University and Tashkent Pediatric Medical University (Uzbekistan), Belarusian State Medical University, Yerevan State Medical University Mkhitar Heratsi Medical University (Armenia), Al-Farabi Kazakh National University, Zagreb University (Croatia) and many others.



In 2020, the Pediatric University became the National Medical Research Center in the profile “pediatrics”. Since then, the university oversees three federal districts: North-Western, Ural and Siberian, provides organizational and methodological assistance and carrying out teleconsultations.

Great importance is attached to the work of students in scientific circles organized at almost all departments. This work - one of the most important forms of educational process - is designed to create a basis for further development of science, nurturing scientific personnel. In the student scientific society students learn to conduct scientific work, at clinical departments – to get closer contact with patients, mastering clinical thinking. Future post-graduate students and clinical residents are formed from those students who are actively engaged in scientific research. At present about 1200 students of different courses – every fourth student - are the participants of the student scientific society. All works of the students are defended at the annual conference “Student Science” - a reporting event in the scientific life of the University students. It is attended by students from all over Russia, as well as near and far abroad.



Ruslan Nasyrov, Vice-Rector for Research, studies a placenta preparation

Every year Pediatric University organizes one of the largest in Russia National Congress with International Participation “Healthy Children – Future of the Nation”, which is a place for discussion of current problems of pediatrics, perinatology and related disciplines. The Congress gathers more than 6000 participants from different regions of Russia and more than 15 foreign countries.

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**Scientific research and support of young scientists are priority areas of the development of our University. This is our contribution to the piggy bank of national medicine.**

Vice-Rector for  
Research of the  
Pediatric University  
**Ruslan Nasyrov**



# NATURE THE LANCET THE NEW ENGLAND JOURNAL OF MEDICINE CELL PLOS FRONTIERS IN PEDIATRICS ONE HUMAN MUTATION

## SOME RECENT PUBLICATIONS

*Chasnyk V.G. et al.* “The Population history of Northeastern Siberia since Pleistocene” (Nature)

*Chasnyk V.G. et al.* “Tofacitinib in juvenile idiopathic arthritis: a double-blind, placebo-controlled, withdrawal phase 3 randomised trial”(The Lancet)

*Ivanov D., Polyakova V., Nasyrov R. et al.* “Sudden infant death syndrome: Melatonin, serotonin and CD34 factor as possible diagnostic markers and pro-filactic targets” (PLoS ONE)

*Gorkovaya I.A., Ivanov D.O. et al.* “Dynamics of emotional reactions among Russian students during the COVID-19 pandemic” (European Psychiatry)

*Suslov V.M., Suslova G.A., Lytaev S.A.* “Clinical and MRI markers of muscles damage in ambulant and non-ambulant DMD patients” (Archives of Physical Medicine and Rehabilitation)

*Kostik M.M. et al.* “An unusual case of enterovirus infection with polymyositis and severe necrotizing retinovasculitis in a 10-year-old boy” (Rheumatology)

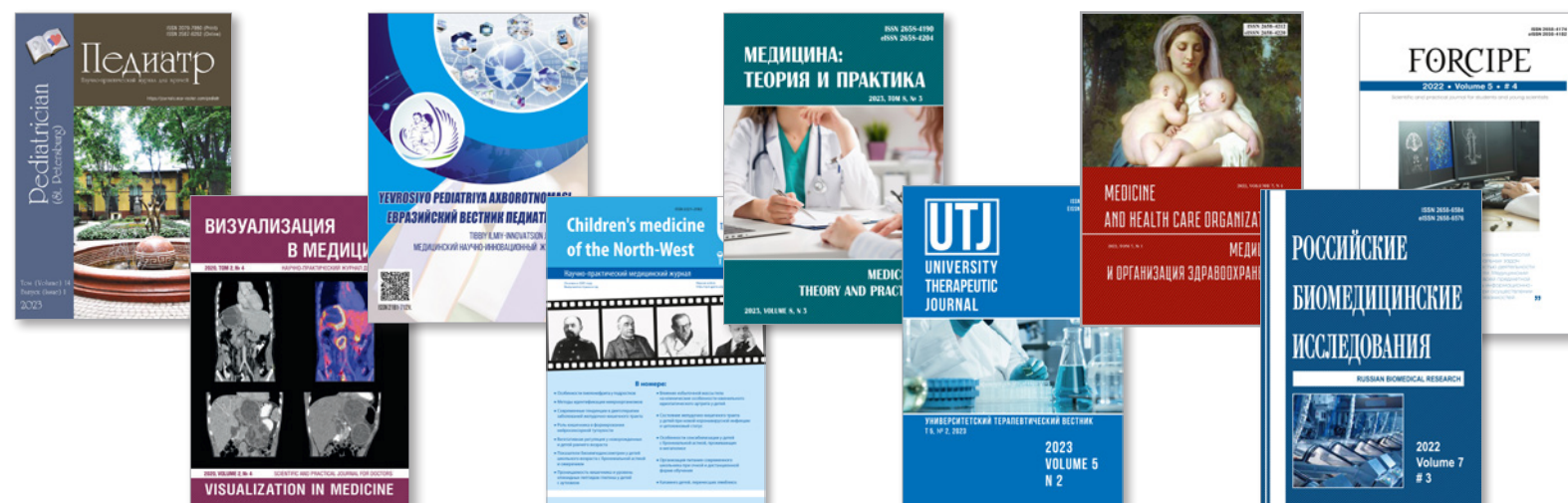
*Imyanitov E.N. et al.* “Changes in the concentration of EGFR-mutated plasma DNA in the first hours of targeted therapy allow the prediction of tumor response in patients with EGFR-driven lung cancer” (International Journal of Clinical Oncology)

*Nasyrov R.A. et al.* “Morphological and Immuno-histochemical Features of Placental Damage in Cases of Perinatal Death: Institutional Experience with Emphasis on Viral Etiology” (Annals of clinical and laboratory science)

*Imyanitov E.N. et al.* “Identification of recurrent pathogenic alleles using exome sequencing data: proof-of-concept study of Russian subjects” (European Journal of Medical Genetics)

## SCIENTIFIC JOURNALS OF THE UNIVERSITY OF PEDIATRICS

Pediatric University is the founder and publisher of 9 scientific journals: “Pediatrician”, “Children’s medicine of the North-West”, “Russian Biomedical Research”, “Visualization in medicine”, “Medicine and health care organization”, “Medicine: Theory and Practice”, “Forcipe”, “University therapeutic journal” and “Eurasian Pediatrics Bulletin” (jointly with the Tashkent Pediatric Institute). All publications are available in the following databases: RSCI, DOAJ, Ulrich’s International Periodicals, EBSCO, GoogleScholar, Cyberlenninka, ICI World of Journals, CiteFactor and recommended by the Higher Attestation Commission of Russia.



# 58398\*

total number of publications of Pediatric University employees in the Russian Science Citation Index

# “”



# 411 493

total number of citations

# 18 873

published articles in the last 5 years

OVER THE LAST 5 YEARS

# 1335 3649 ×2

articles in foreign journals

articles in journals included in Web of Science or Scopus

the number of articles in journals has increased



# WHY TO CHOOSE US?

- THE OLDEST PEDIATRIC HIGHER EDUCATION INSTITUTION IN THE WORLD
- THE ONLY MULTIDISCIPLINARY HOSPITAL FOR CHILDREN FROM CONCEPTION TO ADULTHOOD IN RUSSIA
- WE HAVE THE FIRST PLACE IN RUSSIA IN TERMS OF CITATION INDEX
- 3 CHIEF SPECIALISTS OF THE MINISTRY OF HEALTH OF RUSSIA AND MORE THAN 10 CHIEF SPECIALISTS OF THE NORTH-WESTERN FEDERAL DISTRICT
- MODERN CLASSROOMS AND EQUIPMENT FOR PRACTICING SKILLS OF FUTURE DOCTORS



Over the years, the Pediatric University has changed its approaches and methods of treatment, but what has remained constant is the passion, the dedication, the desire to learn the most subtle structures and mechanisms of the child's organism. and its environment in order to create conditions for the harmonious development of the child, reduce morbidity and mortality.

Preserving the accumulated traditions and building up its scientific potential, Pediatric University remains one of the world's leading centers for the development of pediatrics, maternal and child health care and pediatric training.

Address of Pediatric University:

194100, St. Petersburg, Litovskaya St., 2; tel: (812) 295-06-46, fax: (812) 295-40-85

Chief physician office: (812) 295-40-31. Hospitalization department: (812) 542-97-16

Making an appointment:

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