



Federal State Budget Educational Institution of Higher Education

Saint-Petersburg State Pediatric Medical University'

The Ministry of health of the Russian Federation



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Saint-Petersburg State Pediatric Medical University (SPbSPMU) has been established in 1925 as Academic and Research Institute of Maternal health and babyhood protection. We are the oldest and world's only Pediatric University.

Nowadays, SPbSPMU is exists as a Clinical Hospital for 113 years and as the University for 93 years. There are 5 faculties, including 500 specialists, 80% of PhD degrees, more then 4000 students in SPbPMU.

SPbSPMU is an international center for higher medical education. Graduates are several thousand foreign students from 70 countries. We are provides a high level of education, which guarantees a high demand in the labor market. Our students and professors are laureates of international and Russian competitions. Every year our students successfully participate in competitions of scientific works for grants of the Government of St. Petersburg.

Our hospital is a federal medical organization with one of the largest scientific bases and traditions of the Leningrad pediatric school.

According to Russian Science Index we are in the TOP-3 of the all medical organizations in Russian Federation and in TOP-25 of the all scientific organizations in our country.

Saint-Petersburg State Pediatric Medical University provides international educational programs in English for students and graduates in the following areas:

- ✓ Pediatric Vascular Surgery
- ✓ Pediatric urology
- ✓ Operative surgery on animals
- ✓ Genetics
- ✓ Pediatric oncology
- ✓ Molecular Medicine
- ✓ Predictive Medicine
- ✓ Topographic Anatomy

Scientific researches in Pediatric University traditionally are a one of the main types of work, include all main directions of the medicine and go in 3 leading directions:

1. Perinatal problems of children, teenager and adult diseases
2. Anatomical and functional, psychosomatic and medico-social factors influence on the mother and child health.

3. Creating of individual organs.

According to Hirsch Index Pediatric University is in TOP-3 (3d place) among medical universities in Russian Federation.

185 research works are performed at university. Particular mention should be made on the development of bioengineering organs (aorta, liver, trachea, etc.), conducted at the SIC of the University. We actively apply the methods of 3d technologies in operations on the heart and spine.

New developments:

- ✓ 3D-modeling
- ✓ The creation of individual biodegradable implants for replacing bone defects
- ✓ The Plasma medicine
- ✓ The Cell technologies in the treatment of Hirschsprung's disease and spinal cord injuries
- ✓ The Creation of bioengineering organs — artificial aorta and trachea
- ✓ The Dyslexia treatment with using the innovative simulator
- ✓ The Wound coatings based on the biocompatible nanofibers
- ✓ The Tissue reconstruction in case of thermal burns III-b degree
- ✓ The Method of personal selection of chemotherapy protocol

The development of international cooperation is a priority in the University, which allows improving the education level and improving the skills of medical specialists.

University clinic

The University also has the largest pediatric clinic in Russia. Since day one at the University, students have the opportunity to practice and learn from leading experts in the field of medicine.

Our hospital is a federal medical organization with one of the largest scientific bases and traditions of the Leningrad pediatric school. We have modern diagnostic technologies: multipara computed tomography, MRI, US scanners, installation for radiologists, modern radioisotope laboratory, etc. D. Clinical and biochemical, bacteriological and virological laboratories allow performing the full range of studies at an advanced level. Our specialists work at the borders of modern science and introduce new technologies into practice.

About University clinic:

- ✓ The largest Pediatric clinic in Russia
- ✓ The leading multidisciplinary medical institution
- ✓ With huge scientific knowledge and age-old traditions of the Leningrad school of children's doctors
- ✓ The University clinic consists of
 - Consultative-diagnostic center (CDC);
 - Perinatal center
 - More than twenty are specialized departments with 815 beds

Surgery

- ✓ Pediatric General surgery
- ✓ Pediatric Vascular surgery
- ✓ Pediatric Maxillofacial
- ✓ Coloproctology
- ✓ Pediatric Dentistry
- ✓ Pediatric Orthopedics traumatology
- ✓ Pediatric Cardiac Surgery
- ✓ Pediatric Neurosurgery
- ✓ Pediatric Urology
- ✓ Unique operations, newborns, children under 1 year of age or older

Pediatric department of angiology and vascular surgery

- ✓ Using the new angio -micro surgical techniques of operation to perform complex reconstructive operations.
- ✓ Using of the new surgical technology- auto – and all transplantation of organs and tissues.
- ✓ Training for the practical networks; the development and promotion of new methods of treatment.

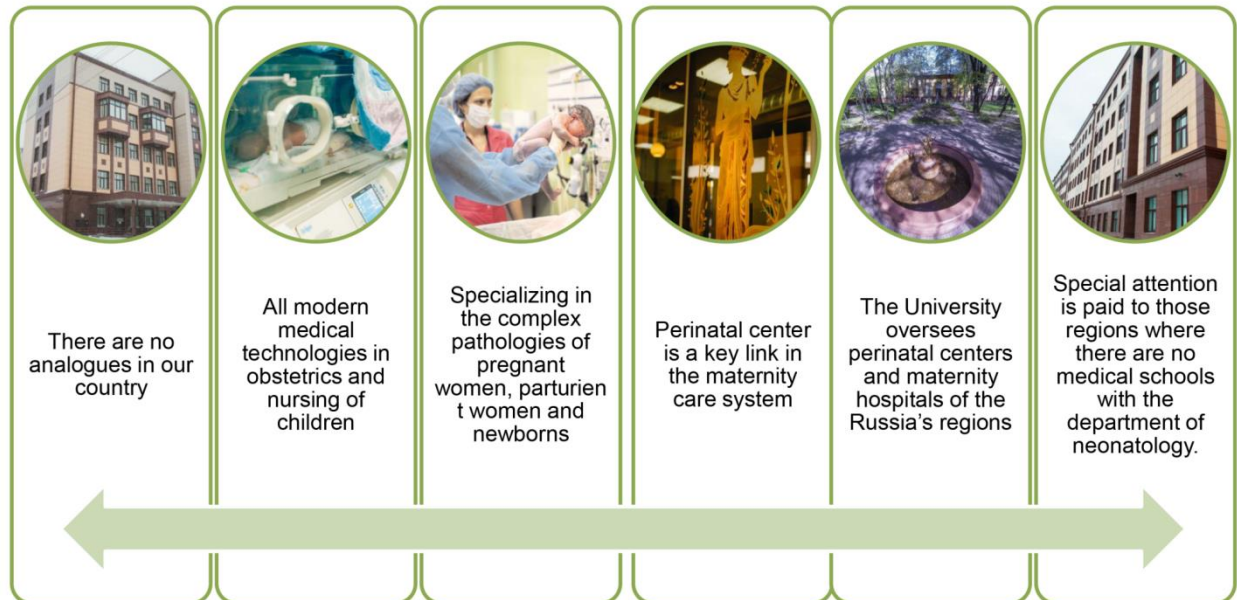
Ophthalmology department

- ✓ Surgical treatment of cataracts in children with implantation of flexible intraocular lenses
- ✓ Surgical treatment of vitreoretinal pathology (both planned and emergency)
- ✓ Surgical treatment of all stages of retinopathy
- ✓ Surgical treatment of diseases and injuries of the lacrimal drainage system with the use of modern silicone strands, conductors.
- ✓ Leukoprosthetics when informed of the fatal pathology of the lacrimal drainage system with the use of silicone Eco prosthesis
- ✓ And surgical treatment hardware strabismus, including using computer programs

Pediatric uroandrological department

- ✓ Is the leader in its field not only in Russia.
- ✓ The largest amount of reconstructive-plastic operations on the urinary tract's organs in the country
- ✓ The Department is the leader in using of the minimally invasive high-tech endoscopic surgery (about 500 interventions per year).
- ✓ The examination and treatment of patients with metabolic disorders has received Wide development as an unusual direction in the work of the Department

Perinatal center of the University



Telemedicine center

The Center for Telemedicine SPbSPMU began operating in 2016. The Telemedicine Center of the University conducts tele-consultations of newborns, pediatric and pediatric surgeons, consultations on morphological telemedicine, consultations on MRI and CT.