



FEDERAL STATE BUDGETARY INSTITUTION  
**H.Turner National Medical Research Center  
for Children's Orthopedics and Trauma Surgery**  
of the Ministry of Health of the Russian Federation

***We give children  
the joy of movement!***

July, 2023



# H. Turner National Medical Research Center for Children's Orthopedics and Trauma Surgery

*Over 130 years of experience.  
Thousands of healthy children!*

**1890 г.**



**2023 г.**



**Mission:** To study, create and integrate advanced developments and technologies of pediatric orthopedics and trauma surgery into medical practice.

4 essentials for success:



**Education activities:**

- simulation class with digital simulators and models;
- practical work with leading surgeons of the Center.

**Trained annually:**

- >20 residents and postgraduate students
- >40 specialists (advanced training)

**Research activities:**

9 scientific departments, 97 research staff

**Annually:**

- >15 patents for inventions,
- >100 scientific publications



# H. Turner National Medical Research Center for Children's Orthopedics and Trauma Surgery

## Clinical database of the Center

### Staff:

**1120 employees**, of them **674 medical specialists**.

Specialists constantly upgrade their qualifications, present reports in many cities in Europe and around the world, participate in EPOS and SICOT congresses, attend training courses in leading international clinics, and transfer their experience to colleagues from abroad.

### Outpatient care:

#### **-Consultative and Diagnostic Center**

- 2 Federal centers
- Spine and spinal cord injury
- Children's trauma

#### **- 3 specialized centers**

- juvenile idiopathic arthritis treatment center;
- center for the treatment of children with the sequelae of Spina bifida;
- outpatient center for conservative treatment of scoliosis.

### Inpatient care:

**11 specialized clinical departments**

### Rehabilitation:

**3 specialized departments**

- orthopedic and trauma;
- motor rehabilitation;
- restorative treatment

Medical tourism

### Capacity of the Center:

**420** inpatient beds

**10** operating rooms

**20** intensive care beds

### Annually:

**>55 000**  
in-person consultations

**>1500**  
telemedicine  
consultations

**>8000**  
operations

**>1000**  
international patients

**>40** countries

July, 2023



# H. Turner National Medical Research Center for Children's Orthopedics and Trauma Surgery

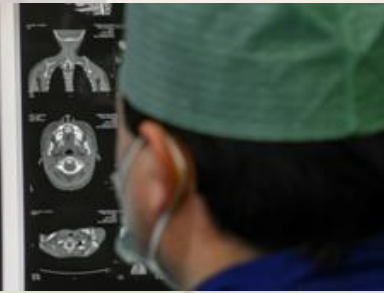
## Center's Profile

- **congenital and acquired deformities of the musculoskeletal system** (scoliosis, kyphosis, CNS malformations, chest deformities, pseudoarthrosis, joint dysplasias and arthrosis, torticollis, abnormalities of the feet, hands, upper and lower limbs, etc.)
- **malformations of the musculoskeletal system due to various diseases, including genetic disorders** (cerebral palsy, osteogenesis imperfecta, arthrogryposis, rheumatoid arthritis, sequelae of rickets and osteomyelitis, etc.)
- **multiple and combined injuries of the musculoskeletal system**
- **sequelae of trauma and burns**
- **abnormal development of the maxillofacial area** (cleft lip and palate, malformations of the ear, combined dento-mandibular-facial anomalies, etc.)
- **soft tissue abnormalities** (benign neoplasm)

**Perinatal Consilium** is held for early detection of patients with orthopedic or maxillofacial disorders.



Medical tourism



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# H. Turner National Medical Research Center for Children's Orthopedics and Trauma Surgery

The Center applies **its own developments and world-class advanced technologies**. Diagnostic procedures are carried out using the most modern and accurate equipment.

## Surgical treatment methods:

*Operative interventions involve the use of:*

- Individual metal constructions
- Auto- and allografts
- Intraoperative neurophysiologic monitoring
- Additive technologies
- Biodegradable implants
- Computer optic navigation
- Electrettes
- State-of-the-art external fixation devices
- Multilevel single-stage corrections
- Minimally invasive surgeries
- Microsurgical techniques

## Conservative treatment and rehabilitation:

- Complex treatment for systemic and neurological diseases
- Use of individual braces
- Physiotherapeutic methods, massages, physical therapy, hydrotherapy
- Percutaneous electrostimulation of the spinal cord
- Robotic mechanotherapy (LOCOMAT, ARMEO)

## Diagnostic techniques:

- laboratory (full scope)
- radiologic (MRI, CT, X-ray, densitometry, ultrasound)
- functional (ENMG, EMG, stabilometry, plantography, rheovasography, EEG, ECG, FGDS)

## Results of the treatment

Thoracic scoliosis  
grade IV



Syndactyly



## Results of the treatment



Transosseous osteosynthesis based on computer navigation



Spondyloepiphyseal dysplasia





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## Benefits of treatment at the Center

- **Low cost of treatment** without loss of quality
- **Multidisciplinary approach**
- **Comprehensive approach** - diagnosis + treatment + rehabilitation
- Surgical care **in one session**
- **Highest quality** of medical care
- Sanitary, informational, private **security**
- Treatment according to **world standards**
- Regular introduction of advanced diagnostic and surgical technologies into medical practice
- **Early rehabilitation** after surgical intervention
- Wide range of specializations
- Extensive **experience**

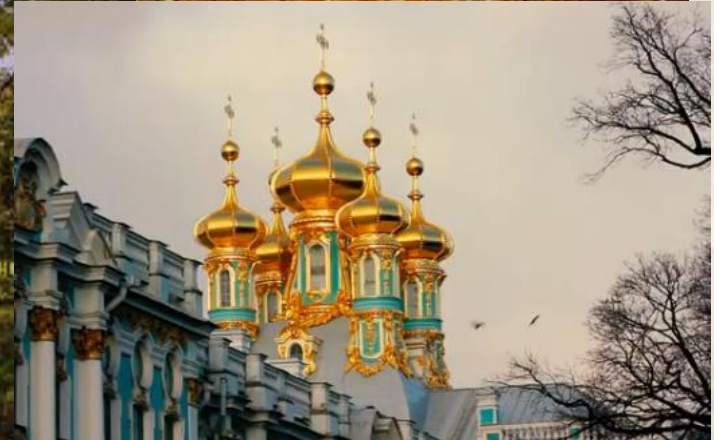






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- Location of the Center - park area, in Pushkin, suburb of St. Petersburg





## H. Turner National Medical Research Center for Children's Orthopedics and Trauma Surgery

### Algorithm for receiving medical care at the Center

1. The patient applies to the Center by e-mail [opmu@roturner.ru](mailto:opmu@roturner.ru) or by filling in the application form on the website (QR code, page "Contacts").
2. On the basis of the received documents an extramural consultation is conducted at the specialized department in order to determine the possibility of rendering assistance and treatment strategy, a preliminary treatment calculation (Calculation) is formed.
3. The calculation is sent to the patient by e-mail for approval.
4. After the patient's consent to admission is confirmed, a call for admission is sent to the patient (Call).
5. The patient collects all the necessary certificates and documents specified in the Call.
6. On the date indicated in the Call, the patient arrives at the Center, signs a contract for paid services and makes an advance payment.
7. The patient is admitted to the department and receives medical care.
8. On the day of discharge, the patient receives information on the services rendered, makes full payment and is discharged with a full package of medical and financial documentation.



## H. Turner National Medical Research Center for Children's Orthopedics and Trauma Surgery

### Note to the patient

- The main language of communication in the Center – **Russian**
- Documentation sent to determine treatment options may be in both Russian and English languages
- All documents submitted to the Center must be translated into Russian language
- Payment is accepted **in rubles** only
- Only 1 accompanying adult may stay with the patient at the Center
- Shuttle service to the clinic is not available
- It is possible to be accommodated in a ward of extra comfort
- The documentation issued to the patient - contract for paid services, act of work performed, voluntary informed consent to the processing of personal data, voluntary informed consent to surgical intervention, voluntary informed consent to blood transfusion, discharge epicrisis - **is issued in Russian.**
- There is no assistance with hotel reservations
- Reservations for flights and train transportation are not provided
- It is forbidden for the patient and accompanying person to leave the territory of the Center during the admission period



# H. Turner National Medical Research Center for Children's Orthopedics and Trauma Surgery

## Contact information

### Department for off-budgetary activities

Telephone:

☎ **+7 (812) 507-54-10** – department

☎ **+7 (812) 507-54-52** – head of the department

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✉ **3185410@MAIL.ru**

Web-site:

🌐 **WWW.ROSTURNER.RU**

QR code:



# *Thank you for your attention!*