

21st Prague - Lublin - Sydney - St. Petersburg Symposium

ORTHOPAEDIC ANTHROPOLOGY

“Interdisciplinary approach to growing
skeleton“

3rd – 5th September 2019

Fabrika Hotel Humpolec, Czech Republic

*Organized by: Society For Connective Tissues CMA J.E. Purkyně & Society for
Prosthetics and Orthotics CMA J.E. Purkyně & Czech Society of Biomechanics &
Czech Medical Association J.E. Purkyně & Medical University of Lublin & Vincent
Pol University in Lublin*

@

Czech Anthropological Society and town Humpolec



Prof. Mikhail Dudin, MD, PhD, DSc.

Born on the 21st of October, 1949

Professional qualification:

- ❖ 1972 - graduated with honors at the Leningrad Pediatric Medical Institute
- ❖ 1972–1974 - specialization (residency) in **pediatric orthopedics and traumatology** at the Turner Leningrad Research Children's Orthopedic Institute
- ❖ 1982 - **PhD thesis** on the topic "**Idiopathic scoliosis with atypical pathological rotation of the vertebra: diagnosis, course, treatment tactics**",.



Prof. Mikhail Dudin, MD, PhD, DSc.

Professional qualification:

- ❖ 1993 - doctoral thesis on "Features of the hormonal regulation of bone metabolism as an etiopathogenetic factor for idiopathic scoliosis."
- ❖ 2001 professor
- ❖ 2005 “Honored Doctor of Russia”

20th Prague - Lublin - Sydney -
St. Petersburg Symposium
2018, Kromeriz



Prof. Mikhail Dudin, MD, PhD, DSc.

Places of work part 1:

- ❖ 1972–1974 - Turner Leningrad Research Children's Orthopedic Institute
- ❖ 1974–1984 - Internship at the clinic of the *Leningrad rehabilitation center for children's orthopedics and traumatology "OGONEK"*
- ❖ 1984–1986 - consultant, orthopedic surgeon, specialist in pediatric orthopedics and traumatology at the Lenin hospital in the city of Holguin, Republic of Cuba

Prof. Mikhail Dudin, MD, PhD, DSc.

Places of work – part 2:

- ❖ 1986-1996 researcher at Leningrad Turner Research Institute for Children
- ❖ 1996 - 2017 – **director** of St. Petersburg rehabilitation center for pediatric orthopedics and traumatology "OGONEK"
- ❖ since 2017 consultant of St. Petersburg rehabilitation center for pediatric orthopedics and traumatology "OGONEK"



Prof. Mikhail Dudin, MD, PhD, DSc.

Conclusions from orthopaedic experience:

Most of the many treated patients could have avoided surgery!

- ❖ knowledge of the etiology and pathogenesis of the diseases in pediatric orthopedics
- ❖ reliable early diagnosis and prediction of the outcome of the lesions of the dorsal musculoskeletal system
- ❖ available medical technology for controlling the functional state of all parts of the musculoskeletal system

Wait for the appearance of indications for surgical intervention!

Prof. Mikhail Dudin, MD, PhD, DSc.

Conclusions from orthopaedic experience:

New concept of pediatric orthopedics was developed - **it must be conservative.**

It should be emphasized that we are talking about **conservative orthopedics**, and not about rehabilitation.

Wait for the appearance of indications for surgical intervention!

Prof. Mikhail Dudin, MD, PhD, DSc.

Research – part 1:

- children with orthopedic pathology affected by the disaster at the Chernobyl nuclear power (the state program "Children of Chernobyl")

Results:

- ❖ the main damaging factor is ionizing radiation from radioactive contamination - interference with the metabolic processes in the bone tissue of unstable iodine isotopes (I^{129} - I^{131}) and an excess of stable I^{127} , widely used as a protector of the thyroid gland, had the greatest impact.

Prof. Mikhail Dudin, MD, PhD, DSc.

Research - part 2:

- ❖ **study of the osteotropic hormone profile** (growth hormone, cortisol, calcitonin, parathyrin) **in children with idiopathic scoliosis**

Doctoral thesis:

"Features of the hormonal regulation of bone metabolism as an etiopathogenetic factor for idiopathic scoliosis".



Prof. Mikhail Dudin, MD, PhD, DSc.

Publications:

❖ Author of **4 monographs** on idiopathic scoliosis.
(From diagnosis and pathogenesis to prevention and conservative treatment)

❖ **4 textbooks**

21st Prague - Lublin - Sydney -
St. Petersburg Symposium
September 2018, Kroměříž



Leadership of **15 master's and doctoral theses**

Prof. Tomasz Karski, MD, PhD

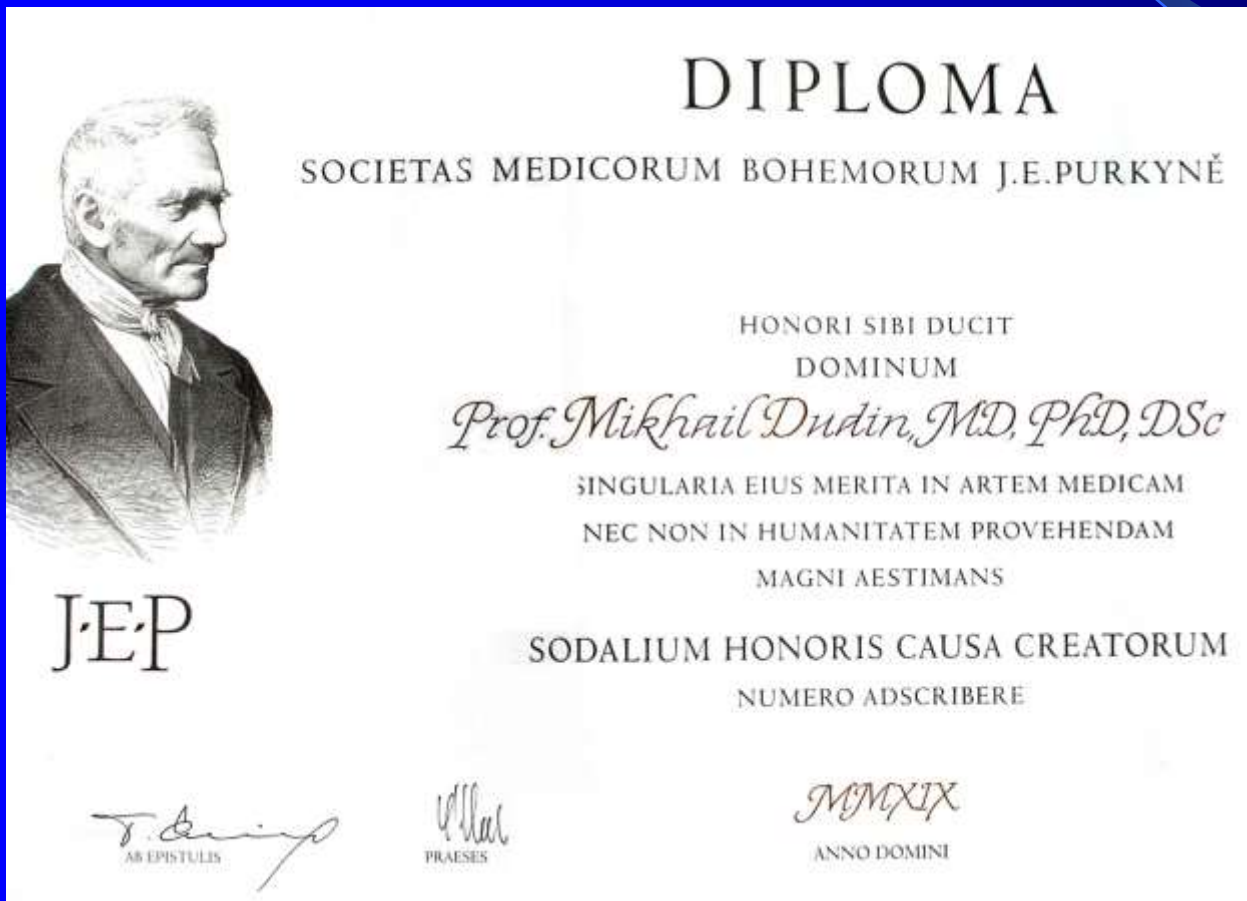
Awards – part 1:

- ❖ **First Prize** for “**New developments in the diagnosis and treatment of AIS in children and adolescents**” (SICOT World Congress in Amsterdam, 1999).
- ❖ 2005 “**Honored Doctor of Russia**“
- ❖ **A honorary member of the Society for Connective Tissues**

September 2018, Kroměříž



Prof. Mikhail Dudin, MD, PhD, DSc.



**21st Prague - Lublin
- Sydney -
St. Petersburg
Symposium**

**3rd September 2019
Humpolec**

Octárna, Kroměříž 2018



Thank you for your attention!