



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

invite you to

THE 27TH PRAGUE-LUBLIN SYMPOSIUM

Locomotor Apparatus Adaptation IV – Interdisciplinary Aspects

The Symposium will be held under the auspices
of the president of the Czech Medical Association (CMA) J.E. Purkyně

Professor Štěpán Svačina, MD, DSc.

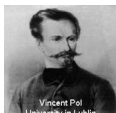
&

the honorary president of the Society for Connective Tissues CMA J.E. Purkyně

Professor Josef Hyánek, MD, DSc.

The Symposium will be held at the
Vincent Pol University, Lublin, Choiny 2 Street, Lublin, Poland,
on Friday and Saturday in September 26–27, 2025

This event belongs to education actions integrated into the life training system of physicians
according to professional statute No. 16 of the General Medical Council.



PROGRAMME

FRIDAY, SEPTEMBER 26, 2025

8.00–9.00 REGISTRATION OF PARTICIPANTS

9.00 OPENING OF THE CONFERENCE

WELCOME SPEECHES

Assoc. Professor Henryk Stefanek, MA

President of Vincent Pol University, Lublin, Poland

Professor Tomasz Karski, MD, PhD

Honorary member of the Society for Connective Tissues CMA J.E. Purkynje and the CMA J.E. Purkynje
Vincent Pol University, Lublin, Poland

Professor Ivo Marik, MD, PhD

President of the Society for Connective Tissues, CMA J.E. Purkynje
Faculty of Health Care Studies, West Bohemia University, Pilsen, Czech Republic
Centre for Defects of Locomotor Apparatus, Prague, Czech Republic

9.30–13.00 | MORNING SESSIONS

9.30 | SESSION I: RARE BONE DISEASES – diagnostic, comprehensive treatment

Osteogenesis imperfecta – interdisciplinary approach in Czech Republic

Chairmen: Mařík Ivo, Kraus Josef, Zemková Daniela

Osteogenesis imperfecta – overview, craniospinal abnormalities and neurologic complications (30 min)

Kraus Josef, M.D., PhD.

Department of Child Neurology, 2nd Medical Faculty, Charles University and University Hospital Praha-Motol
josef.kraus@lfmotol.cuni.cz

Osteogenesis imperfecta – molecular genetic diagnosis (20 min)

Krulišová Veronika¹, Zemková Daniela^{2,4}, Mařík Ivo^{2,3}, Michalovská Renáta¹, Paszeková Helena¹

¹ GHC Genetics, Prague, Czech Republic

² Dept. of Paediatrics, Charles University, University Hospital Motol; Prague, Czech Republic

³ Centre for Defects of Locomotor Apparatus I.L.c.; Prague, Czech Republic

⁴ Faculty of Health Care Studies, West Bohemia University; Pilsen, Czech Republic

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10.20–10.40 COFFEE BREAK

Congenital disorders of connective tissues – genes and collagens (20 min)

Braun Martin¹, Zemková Daniela^{2,3}

¹ Department of Composites and Carbon Materials, Institute of Rock Structure and Mechanics, Czech Academy of Sciences, Prague, Czech Republic

² Dept. of Paediatrics, Charles University, University Hospital Motol; Prague, Czech Republic

³ Centre for Defects of Locomotor Apparatus; Prague; Czech Republic

braun@irsm.cas.cz

Osteogenesis imperfecta. A story of a woman with severe form of disease (20 min)

Zemková Daniela^{1,2}, Krulišová Veronika³, Hudáková Olga², Mařík Ivo^{2,4}

¹ Dept. of Paediatrics; Charles University, University Hospital Motol; Prague, Czech Republic

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WNT1 osteogenesis imperfecta (20 min)

Mařík Ivo^{1,2}, Maříková Alena¹, Daniela Zemková^{1,3}, Šumník Zdeněk³, Souček Ondřej³, Krulišová Veronika⁴

¹ Centre for Defects of Locomotor Apparatus I.L.c.; Prague, Czech Republic

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DISCUSSION AFTER EACH LECTURE (time in brackets includes discussion)

11.40 | SESSION II: CEREBRAL PALSY

Chairmen: Kraus Josef, Metera Krzysztof, Mařík Ivo

Cerebral Palsy – overview of etiopathogenesis, clinics, comprehensive treatment (30 min)

Kraus Josef

Department of Child Neurology, 2nd Faculty of Medicine and Motol University Hospital, Prague

josef.kraus@lfmotol.cuni.cz

Kinesiotherapy to develop motor skills; or kinesiotherapy to develop daily activities in a child with cerebral palsy? Are these the only directions for improvement? (20 min)

Metera Krzysztof, MD, PhD

Faculty of Health Sciences

Vincent Pol University, Lublin, Poland

metera.wssp@gmail.com

The influence of mixed reality on the adaptation of the locomotor system in children with movement disorders – overview (20 min)

Kraus Josef¹, Šorfová Monika², Psotta Rudolf², Bureš Marek³

¹ *Department of Child Neurology, 2nd Faculty of Medicine and Motol University Hospital, Prague*

² *College of Physical Education and Sports PALESTRA, s.r.o., Prague.*

³ *XR Institute s.r.o., Pilsen, Czech Republic*

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DISCUSSION AFTER EACH LECTURE (time in brackets includes discussion)

13.20–14.00 | LUNCH

14.00–17.30 | AFTERNOON SESSIONS

14.00 | SESSION III: ORTHOPAEDICS

The Latest Trends in Surgical Treatment of the Spastic Upper Limb (20 min.)

Wójcik-Duda Anna, Karski Jacek

Paediatric Orthopaedic and Rehabilitation Department of Medical University of Lublin, Poland

Anna.Wojcik-Duda@umlub.edu.pl

The role of ultrasound examination in screening for developmental hip dysplasia – 33 years of history (20 min.)

Karski Jacek¹, Okoński Marek¹, Karski Tomasz²

¹ *Paediatric Orthopaedic and Rehabilitation Department of Medical University of Lublin, Poland*

² *Vincent Pol University, Lublin, , Poland*

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Tibial derotational osteotomy for Idiopathic Tibial Torsion. Literature review, possibilities in pediatric musculoskeletal imaging (20 min.)

Karski Jacek¹, Karska Klaudia²

¹ *Paediatric Orthopaedic and Rehabilitation Department of Medical University of Lublin, Poland*

² *Department of Paediatric Radiology of Medical University of Lublin, Poland*

Diseases and Injuries of the Musculoskeletal System in Children Caused by the Carelessness and Thoughtlessness of Parents and Caregivers (20 min.)

Okoński Marek¹, Karski Jacek¹, Okońska Patrycja²

¹ *Paediatric Orthopaedic and Rehabilitation Department of Medical University of Lublin, Poland*

² *Independent Unit of Emergency and Specialised Emergency Services of Medical University of Lublin, Poland*

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DISCUSSION AFTER EACH LECTURE (time in brackets includes discussion)

15.30–16.00 | COFFEE BREAK

16.00 | SESSION IV: PALEOPATOLOGY / VARIA

Chairmen: Hudáková Olga, Mařík Ivo, Karski Jacek

Syphilis and Leprosy (film documentary, 40 min.)

Smrčka Václav^{1,2}, Zapletal Vít³, Musilová Zdenka⁴

¹ ESME s.r.o., Praha, Czech Republic

² Institute of History of Medicine and Foreign Languages of the First Faculty of Medicine, Charles University in Prague

³ Municipal Library of Prague

⁴ Municipality of the Town, Letovice

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TAR syndrome – current approach to diagnosis and treatment (15 min)

Kaczmarek Inez^{1*}, Jurczak Aleksandra¹, Perelka Oliwia¹, Zając Julia¹, Skoczylas Michał²

¹ Student Scientific Circle of Clinical Anatomy, Faculty of Medicine, The John Paul II Catholic University of Lublin

² Department of Basic Medical Sciences, Institute of Medical Sciences, The John Paul II Catholic University of Lublin

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Orthopedic experience of therapy by DMSO – short descriptions (10 min.)

Karski Tomasz, Karski Jacek

Vincent Pol University, Lublin, Poland

Medical University, Lublin, Poland

tmkarski@gmail.com; jkarski@vp.pl

Is there any influence of a gold wedding ring on rheumatic hand osteoarthritis?

Case report (20 min)

Mařík Ivo^{1,2}, Maříková Alena¹

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² Faculty of Health Care Studies, West Bohemia University; Pilsen, Czech Republic

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DISCUSSION AFTER EACH LECTURE (time in brackets includes discussion)

18.00 | DINNER

SATURDY, NOVEMBER 27, 2025

8.30–9.00 | REGISTRATION OF PARTICIPANTS

9.00–13.00 | MORNING SESSIONS

9.00 | SESSION V: DISCONGRUENT OSTEONEURAL GROWTH RELATIONS

Chairmen: van Loon Piet, Karski Tomasz, Mařík Ivo

Health issues by hypokinesia, sitting and living in a digital world of children in “overcivilized” societies (30 min.)

P.J.M. van Loon¹, A.M. Soeterbroek², Grotenhuis J.A.³ and T.H. Smit⁴

¹ Orthopedic surgeon, Proktovar, Hengelo, the Netherlands;

² Analyst, Chairman Posture Network Netherlands,

³ Em. prof. neurosurgery Radboud University Nijmegen;

⁴ Professor Tissue Engineering; Mechanobiology of development and disease; Amsterdam UMC
pvanloon@planet.nl

Children – So-Called Idiopathic Scoliosis. Adults – Back pain syndrome. Causes. Symptoms. Therapy. Prophylaxis (30 min.)

Karski Tomasz¹, Karski Jacek²

¹ Vincent Pol University, Lublin

² Paediatric Orthopaedic and Rehabilitation Department of Medical University of Lublin, Poland
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DISCUSSION AFTER EACH LECTURE (time in brackets includes discussion)

10.00–10.30 | COFFEE BREAK

10.30 | SESSION VI. BIOMECHANICS/ PATHOBIOMECHANICS

Chairmen: Karski Jacek, Matej Daniel, Krawczyk Petr

Scapulohumeral rhythm improves glenohumeral stability (20 min.)

Matej Daniel

Department of Mechanics, Biomechanics and Mechatronics,

Faculty of Mechanical Engineering, Czech Technical University in Prague, Prague, Czech Republic

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New podology problems – „Ankle Joint and Knee Distortion Syndrome” by people using small cars (20 min.)

Karski Jacek¹, Karski Tomasz²

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² *Vincent Pol University, Lublin, Poland*

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Instability and pain problems in the knee as a result of incorrect sitting position. Case reports (20 min.)

Karski Tomasz¹, Karski Jacek²

¹ *Vincent Pol University, Lublin*

² *Paediatric Orthopaedic and Rehabilitation Department of Medical University of Lublin, Poland*

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Insights into the current developmental trends of the medial longitudinal arch of the foot (20 min.)

Jakub Novák¹, Jan Novák¹, Anna Vážná¹, Petr Sedlak^{1,2}

¹ *Department of Anthropology and Human Genetics, Faculty of Science, Charles University, Viničná 7, 128 00 Prague, Czech Republic*

² *Division of Child Health Promotion, Department of Hygiene, Third Faculty of Medicine, Charles University, Ruská 87, 100 00 Prague 10, Czech Republic*

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DISCUSSION AFTER EACH LECTURE (time in brackets includes discussion)

12.00–13.00 | LUNCH

13.00–17.00 | AFTERNOON SESSIONS

13.00 | SESSION VII: ORTHOPAEDICS & ORTHOPAEDIC PROSTHETICS

Chairmen: Krawczyk Petr, Karski Jacek, Mařík Ivo

Orthopaedic Insoles in Diabetic Patients. A Review (20 min.)

Svoboda Michal, MD, Ph.D.

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Lower limb prosthetics (30 min.)

Krawczyk Petr, MD, Ph.D.

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Orthoprosthesis of lower limbs (20 min.)

Mařík Ivo^{1,2}, Krawczyk Petr^{3,4}, Svoboda Michal³

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DISCUSSION AFTER EACH LECTURE (time in brackets includes discussion)

15.00–15.30 | COFFEE BREAK

15.30 | SESSION VIII: ORTHOPAEDICS & ORTHOPAEDIC PROSTHETICS

Chairmen: Krawczyk Petr, Karski Jacek, Mařík Ivo

Reserved topics

16.30 CLOSING OF THE SYMPOSIUM AND PLANNING THE 28TH INTERNATIONAL SYMPOSIUM

Ivo Marik & Petr Krawczyk & Tomasz Karski & Jacek Karski

18.00 DINNER

ORGANIZERS OF THE SYMPOSIUM

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&

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Participants will receive the Programme and Certificate of Attendance

Abstracts of lectures will be published in Supplement 2 of the journal Locomotor System, vol. 32, 2025

(electronic version, ISSN 2336-4777, <http://www.pojivo.cz/cz/pohybove-ustroji/>)

More recent information about the Symposium will be available on the websites:

www.pojivo.cz & www.ortoprotetika.cz

NOTE: the organizers are preparing a symposium in both in-person and online formats.