

 

invite you for

**The 17th Prague-Lublin-Sydney-St Petersburg Symposium**

Topics: **Growth plate - Disorders of growth**

**interdisciplinary approach to**

**Diagnostics - Comprehensive treatment - Biomechanics**

The **Symposium** will be held under the auspices

of the honorary president of the Czech Medical Association of J. E. Purkynje

**Professor Jaroslav Blahos, MD, DSc.**

in **Kroměříž, Czech Republic,** 20th - 24th September 2015

**SYMPOSIUM PRELIMINARY PROGRAMME**

**Sunday, September 20, 2015**

**18.00 – 21.00** Welcome banquet & Registration of participants in the Hotel OCTÁRNA

**Monday, September 21, 2015**

8.30 - 9.00 Registration of participants in the Hotel OCTÁRNA

9.00 **Opening of the Symposium**

Ivo Marik & Petr Krawczyk, Tomasz Karski & Mikhail Dudin

85th anniversary of Professor Jaroslav Blahos, the honorary president of the Czech Medical Association of J. E. Purkynje

10.00 – 13.00 Morning sessions

## Session I: Growth plate - Disorders of growth - Varia

Chairmen: **Jaroslav Blahoš,** **Daniela Zemkova, Miloslav Kuklik**

**Blahos Jaroslav** */Prague, Czech Republic/*

Theme reserved

**Zemkova Daniela 1), Marik Ivo 2,3) */****Prague, Czech Republic/*

Sclerosing bone dysplasias

*1)Pediatric Dpt., University Hospital Motol, Prague, Czech Republic*

*2) Ambulant Centre for Defects of Locomotor Apparatus, Prague, Czech Republic*

*3) Faculty of Medical Studies, West Bohemia University, Pilsner, Czech Republic*

**Kuklik Miloslav, Marik Ivo et al.** */Prague, Czech Republic/*

Disproportional bone dysplasias. Disorders of chaotic bone growth

*Genetic department Olšanská 7, Prague, Czech Republic*

*Department of molecular endocrinology, Institute of Endocrinology, Prague, Czech Republic*

**Coffee break**

**Tichy Miroslav** */Ústí nad Labem, Czech Republic/*

Interrelation between quality of fibrous connective tissue and muscle fibers tonus

*The Faculty of Health Studies, J. E. Purkynje University, Ústí nad Labem, Czech Republic*

**Marik Ivo (1,3), Marikova Alena (1), Zemkova Daniela (2,1) */****Prague, Czech Republic/*

Upper limb congenital defects: diagnostics and classification

*(1)Ambulant Centre for Defects of Locomotor Apparatus, Prague, Czech Republic*

*(2)Pediatric Dpt., University Hospital Motol, Prague, Czech Republic**(3) Faculty of Medical Studies, West Bohemia University, Pilsner, Czech Republic*

**Smrcka Vaclav */****Prague, Czech Republic/*

Congenital defects of the upper extremity – phylogenesis, ontogenesis, and tissue systems

*Institute for History of Medicine and Foreign Languages of the 1st Faculty of Medicine*

*Charles University, Prague, Czech Republic*

Family Photo of Participants in Hotel „Octárna“

Lunch break (lunch in the Hotel “Octárna”, 13.00)

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14.00 – 17.30 Afternoon sessions

## Growth plate - Disorders of growth - Varia

## Session II: Diagnostics and comprehensive treatment

Chairmen: **Karski Tomasz, Dudin Mikhail, Marik Ivo**

**Dudin Mikhail, Pinchuk Dmitry** */St. Petersburg, Russia/*Glandula Pinealis and Scoliosis

*Center of Orthopedics and Traumatology "Ogonek", St. Petersburg, Russia*

**Kobyzev A.E., Stupina T.A., Krasnov V.V.** */Kurgan, Russia/*

Structural reorganization of intervertebral disc in modelling of scoliosis during growth

*FSBI “Russian Ilizarov Scientific Center "Restorative Traumatology and Orthopaedics"” of Minzdrav of RF, Kurgan, Russia*

**Karski Tomasz (1), Karski Jacek (2), Kędzierski Zbigniew (3), Karska Klaudia (4)** /Lublin, Poland/

Back pain. Causes. The possibility of treatment by physiotherapy

*(1) Vincent Pol University in Lublin*

*(2) Pediatric Orthopedic and Rehabilitation Department of Medical University in Lublin. Head of the Department: Prof. Grzegorz Kandzierski*

*(3) Orthopedic Surgeons, Commandant of Soldier Hospital in Lublin*

*(4) Radiology Department of Medical University in Lublin*

**Karski Jacek (1), Karski Tomasz (2), Madej Jacek (3), Karska Katarzyna (4)** /Lublin, Poland/

Dysplasia of the hips. Special method of reduction of femoral head into acetabulum instead surgery. Functional treatment of dysplastic hips by walking

*(1) Medical University in Lublin, Orthopaedic Dept.*

*(2) Vincent Pol University in Lublin,*

*(3) Out-Patient Clinic in Lublin,*

*(4) Medical University in Lublin, Languages Dept.*

**Coffee break**

**Karski Tomasz (1), Karski Jacek (2), Kędzierski Zbigniew (3), Madej Jacek (4), Karska Katarzyna (5)** /Lublin, Poland/

“Imperfect hips” in two clinical types. Conservative treatment as prophylactics against coxarthrosis

*(1) Vincent Pol University in Lublin,*

*(2) Medical University of Lublin,*

*(3) Military Hospital in Lublin, Poland*

*(4) Orthopaedic Out Patients Clinic*

*(5) Medical University in Lublin*

**AlamEldin** **Mohamed** */Sohag, Egypt/*

Results of Surgical Management of Unstable Pelvic Ring Injuries

*Sohag faculty of medicine, Sohag, Egypt*

**Serdjuchenko Sergei (1), Sakalouski Aleh (2)/***Minsk, Belarus/*

Guided growth as a primary method of treatment for knee deformity

*(1) Children and adolescent orthopedics and traumatology department,*

*(2) State Institution «Republican Scientific and Practical Centre of Traumatology and Orthopedics», Minsk, Belarus*

**Marik Ivo (1,4), Zemkova Daniela (2,4) , Myslivec Radek (3,4),Petrasova Sarka (4) , Culik Jan(4)**

Anthropological assessment of biomechanically meaningful unilateral shortening of legs and solution by drilling epiphysiodesis: long - term results

*(1) Faculty of Medical Studies, West Bohemia University; Pilsen, Czech Republic*

*(2) Dept. of Paediatrics; University Hospital Motol; Prague; Czech Republic*

*(3) Orthopaedic and Traumatology Department, Hospital Pribram, Czech Republic*

*(4) Ambulant Centre for Defects of Locomotor Apparatus; Prague; Czech Republic*

**Evening social program**

**Tuesday, September 21, 2015**

8.30 - 9.00 **Registration of participants in the Hotel OCTÁRNA**

9.00 – 13.00 Morning sessions

Growth plate - Disorders of growth - Varia

**Session III: Orthopaedic prosthetics**

## Chairmen: Rosicky Jiri, Krawczyk Petr, Karski Jacek

**Kaleta Eva (1), Lipina Radim (2), Rosicky Jiri (1), Martin Chlachula (2)** /Ostrava & Frydek Mistek, Czech Republic /

Orthotic Treatment of the Head Positional Deformities

*(1) Ortopedicka Protetika Frydek-Mistek*

*(2) University Hospital Ostrava, Department of Neurosurgery*

**Lipina Radim (1), Rosický Jiří (2), Chlachula Martin (1), Kaleta Eva (2)** /Ostrava & Frydek Mistek, Czech Republic /

Minimally invasive treatment of craniosynostosis: endoscopically assisted suturectomy and postoperative helmet therapy

*(1) University Hospital Ostrava, Department of Neurosurgery*

*(2) Ortopedicka Protetika Frydek-Mistek*

**Rosicky Jiri (1,2), Grygar Ales (1), Paravan Mario (2), Paciorek Martin (3)** /Ostrava & Frydek Mistek, Czech Republic/

Multidisciplinar Team Approach in Anaplastology

*(1)ING corporation,s.r.o.*

*(2)Ortopedicka ProtetikaFrydek-Mistek*

*(3)University Hospital Ostrava, Department of Neurosurgery*

**Coffee break**

**Krawczyk Petr (1), Mařík Iv (2), Jakub J (1), Sýkora D (1), Zemková Daniela (2), Petrášová Šárka (2), Uchytil J (3), Jandačka D (3)** */Ostrava & Prague, Czech Republic/*

Optimization of the weight of the transtibial prosthesis with the use of anthropometry, densitometry and kinematic analysis

*(1) PROTEOR CZ l.l.c., Ostrava, Czech Republic*

*(2) Ambulant Centre for Defects of Locomotor Apparatus l.l.c., Prague, Czech Republic*

*(3) Diagnostic Centre of Human Movement PdF, Ostrava University, Czech Republic*

**Haddam Mohammed Khaled** /Tlemcen, Algeria/

Conservative treatment of the spondylolisthesis grade 1 by Cheneau brace

*Clinique Orthopedie El Habbak, Tlemcen, Algeria*

**Haddam Mohammed Khaled** /Tlemcen, Algeria/

Dynamic orthosis for a cerebral palsy

*Clinique Orthopedie El Habbak, Tlemcen, Algeria*

**Krawczyk Petr (1), Jana Spišáková (2), Aleš Sýkora (1), Vladan Princ (3), Radmil Dvořák (4)**

**/**Ostrava, Pilsen, *Olomouc & Košice,*  Czech Republic *& Slovakia* /

Application of myoelectric hand prosthesis in children

*(1) PROTEOR CZ l.l.c., Ostrava, Czech Republic*

*(2)Dept. of Orthopaedic Prosthetics UNLP, Košice, Slovakia*

*(3) Otto Bock CZ l.l.c. , Pilsen, Czech Republic*

*(4) Division od Physiotherapy FTK, Palacký University, Olomouc, Czech Republic*

Lunch break (lunch in the Hotel “Octárna”, 13.00)

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14.00 – 17.00 Afternoon sessions

## Growth plate - Disorders of growth - Varia

## Session IV: Biomechanics, Orthopaedic Anthropology

Chairmen: **Petrtyl Miroslav, Tichý Miroslav, Pařízková Jana**

**Petrtýl M. (1), Kruliš Z. (2), Senolt L. (3), Hulejová H. (3), Cerný P. (4), Bastl Z. (5), Povysil C.(6)**

Initial Biomechanical Conditions Concernig the Successful Healing of Small Osteochondral Defects

*(1) Czech Technical University, FCE, Department of Mechanics, Laboratory of Biomechanics and Biomaterial Engineering, Prague, Czech Republic*

*(2) Czech Academy of Sciences, Institute of Macromolecular Chemistry, Prague, Czech Republic*

*(3)Charles University, Institute of Rheumatology, Prague, Czech Republic*

*(4) ORTOTICA s.r.o., Prague, Czech Republic*

*(5)Czech Academy of Sciences, Institute of Physical Chemistry, Prague, Czech Republic*

*(6)1st Faculty of Medicine, Charles University, Institute of Pathology, Prague, Czech Republic*

**Culik Jan,**

Gait model for uneven leg length

*Czech Technical University, Division of Informatics of Faculty of Biomedical engineering, Kladno, Czech Republic*

**Pallová Iveta** */Dobrichovice & Prague, Czech Republic/*

Angle of the trunk rotation in idiopathic scoliosis

*Department of rehabilitation, paediatrics and acupuncture, Prague 5, Czech Republic*

*Centre of comprehensive care l.l.c., Dobrichovice, Czech Republic*

**Cerny Pavel 1,3), Marik Ivo 2,3), Pallova Iveta 1) */****Prague, Czech Republic/*

The axial pelvis rotation assessment according to the original radiographic method with use of 3D pelvis model

*(1) ORTOTIKA l.l.c., Prague, Czech Republic*

*(2) Ambulant Centre for Defects of Locomotor Apparatus l.l.c., Prague, Czech Republic*

*(3) Faculty of Medical Studies, West Bohemia University, Pilsner, Czech Republic*

*(4)Faculty of Physical Education and Sport, Charles University, Prague, Czech Republic*

**Coffee break**

**Parizkova Jana**

Biomechanical problems and body posture in obese children and adolescents

*Obesity Management Centre, Institute of Endocrinology, Prague, Czech Republic*

**Stribrná Lucie (1), Blaha Pavel (2)**

Is the level of 97th percentile BMI criterion valid for assessment of obesity in children and adolescents?

1 *University of Pardubice, Faculty of Chemical Technology, Department of Biological and Biochemical Sciences*

2 *College of Physical Education and Sport PALESTRA, Prague*

**Blaha Pavel (1), Hill Martin (2)**

Relationships between basal anthropometric characteristics of children and adolescents and corresponding parental data

*(1)College of Physical Education and Sport PALESTRA, Prague, Czech Republic*

*(2) Institute of Endocrinology, Department of Steroids and Proteofactors, Prague, Czech Republic*

**Evening social program**

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**Wednesday, September 23, 2015**

**9.00 – 13.00 Morning sessions**

## Growth plate - Disorders of growth - Varia

**Session V:** **Posters**

Chairmen: **Shashko Aleksey, Dudin Mikhail, Karski Tomasz**

**Session VI:** **Nanostructures, Tissue Engineering, Biochemistry**

Chairmen: **Balik Karel, Petrtyl Miroslav, Karski Jacek**

**Balik Karel**, **Suchy Tomas, Supová Monika** */Prague, Czech Republic/*

Biocomposite on the basis of nanomaterials as a bone tissue replacement

*Dept. of Composites and Carbon Materials, Institute of Rock Structure and Mechanics, Academy of Sciences of the Czech Republic, Prague*

**Braun Martin, Suchy Tomas, Supová Monika, Ryglova Sarka, Zaloudková Margit, Sucharda Zbynek, Denk Frantisek, Krizková** [**Martina,**](http://www.irsm.cas.cz/index.php?page=adresar_detail&id=43) **Balik Karel**

Utilization of nanotechnologies in the treatment of osteochondral defects

*Dept. of Composites and Carbon Materials, Institute of Rock Structure and Mechanics, Academy of Sciences of the Czech Republic, Prague*

**Karski Jacek (1), Kałakucki Jarosław (1), OkońskiMarek (1), Karska Klaudia (2), WilczyńskiMichał (1)**

Value of Platelet-Rich Plasma in the treatment of Osgood-Schlatter disease

*(1) Paediatric Orthopaedic and Rehabilitation Department of Medical University in Lublin*

*(2) Department of Interventional Radiology and Neuroradiology of Medical University in Lublin*

Lunch break (lunch in the Hotel “Octárna”, 13.00)

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**14.00 – 16.00 Afternoon sessions**

## Growth plate - Disorders of growth - Varia

**Session VII. Varia**

Chairmen: **Jana Parizkova, Marik Ivo, Mohamed AlamEldin**

**16.00-16.20 Closing of the Symposium**

Ivo Marik & Petr Krawczyk, Tomasz Karski & Mikhail Dudin

**17.00 Castle, a unique castle gardens**

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**20.00 – 23.00 Farewell party**

at the Archbishop's wine cellars with wine tasting

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Conference fee 10 Euros and Social programme 50 Euros will be paid during registration. Accommodation in Hotels everybody pays independently.

Abstracts of lectures will be published (electronic edition) in the Supplement of the journal Locomotor System 3-4/2015 (http://www.pojivo.cz/en/newsletter).

Participants will receive the Symposium programme and Certificate of Attendance

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## Notes for all participants

Venue of Symposium: hotel „Octárna“. We also recommend this hotel as our accomodation

<http://www.octarna.cz/english/>

A list of other hotels and websites where it is possible to provide accommodation:

<http://www.hotelboucek.cz/hotel>

<http://www.lafresca.cz/english.html/>

<http://cernyorel.webnode.cz/en/>

<http://www.hotelpurkmistr.cz>

Social programs:

Landmark protected by UNESCO:

• Castle, a unique castle gardens. <http://www.zamek-kromeriz.cz/en/>

• Social Evening at the Archbishop's wine cellars with wine tasting <http://www.arcibiskupskevino.cz/default.htm>

Recapitulation: Estimated costs in addition to the registration fee (10 Euros) will be:

social programme and refreshment contribution 50 Euro + Accommodation

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**Thursday, September 24, 2015 -** Departure

**Do not hesitate address your questions to**

Secretaries of the Symposium

**Assoc. Prof. Ivo Marik, MD, PhD,** E-mail:[ambul\_centrum@volny.cz](mailto:ambul_centrum@volny.cz)

**& Petr Krawczyk, MD,** E-mail: [petr.krawczyk@seznam.cz](mailto:petr.krawczyk@seznam.cz)