THE 17TH PRAGUE-LUBLIN-SYDNEY-ST. PETERSBURG SYMPOSIUM

Growth plate & Disorders of growth

20th – 24th September 2015 | Kroměříž | Czech Republic
Society For Connective Tissues CMA J.E. Purkynje
& Society for Prosthetics and Orthotics CMA J.E. Purkynje
& Czech Society of Biomechanics
& Czech Medical Association J.E. Purkynje
& Medical University of Lublin
& Vincent Pol University in Lublin
& Children’s Rehabilitation Center of Orthopedics and Traumatology
“Ogonyok” St. Petersburg, Russia

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 Blahoš, MD, DSc.
in Kroměříž, Czech Republic, 20th – 24th September 2015
Speech of welcome to

The 17th Prague-Lublin-Sydney-St. Petersburg Symposium – Disorders of growth and Defects of growth epiphysis

Prague, September 21, 2015

Ladies and Gentlemen, Dear Colleagues

Dear Ladies and Gentlemen, dear Participants and Friends of the 17th Prague-Lublin-Sydney-St. Petersburg Symposium in Kroměříž during the days 20 – 24 September 2015.

The time passes really quickly and in 2015 we all – orthopaedic surgeons, rehabilitations doctors, paediatricians, neurologists and other specialists from Europe and from World – meet for the 17th time together at our friendly Scientific Meeting.

As I said last year in Lublin during the 16th Symposium, these all Meetings were and are possible thanks to Professor Ivo Mařík from Prague.

On the last Symposia in Poland – in 2012 in Sarbinowo and in 2014 in Lublin (in University of Military Hospital – Head Dr. med. Zbigniew Kędzierski) – we all had the opportunity to see the high level of knowledge in the field of Musculoskeletal disorders, high level of knowledge in possibility of treatment presented by all participants from all countries.

In all Meetings – in Czech Republic and abroad – in Greece, Poland, Russia (St. Petersburg – 2013) the leader and first organizer was and now still is Professor Ivo Mařík. In all Meetings he was nice, friendly and open minded to all the participants. And it always has been since our first contact in Bratislava during Červenansky Days, many years ago (1997/1998).

To all participants of the 17th Prague-Lublin-Sydney-St. Petersburg Symposium I wish to enjoy from interesting presentations of outstanding lectures and discussions as well as a pleasant stay in historical and beautiful town Kroměříž.

Professor Tomasz Karski MD PhD

Former head of the Paediatric Orthopaedic and Rehabilitation Department of Medical University in Lublin (1995 – 2009)
Actually: Professor Lecturer in Vincent Pol University in Lublin
Address: 20-825 Lublin, Urocza Street 19 Phone 0048 81 742 63 71 (home) and Mobile + 48 604 933 234 tmkarski@gmail.com | t.karski@neostrada.pl | www.ortopedia.karski.lublin.pl
Ladies and gentlemen, dear colleagues, dear friends!

How quickly time flies! And we meet already at the 17th International Symposium “Prague-Sydney-Lublin St. Petersburg”!

In 2013, we had the great honor and our Center became a participant of the Symposium. From this moment on, we adapted all our scientific and practical work according to the ideology of the Symposium. Without doubt, the most remarkable accomplishment in this field is the interdisciplinary cooperation.

With great pleasure I note that during our annual meetings we did not only share our experience and results, but also learned from such outstanding scientists as Ivo Marik, Jana Parizkova, Tomasz Karsky, Miloslav Kuklik and our other friends.

With all my heart I wish them health and creative longevity, and to all the participants of our meeting – successful work, interesting publications and discussions in the old and beautiful city of Kromeriz.

Sincerely yours

Professor Mikhail Dudin
Director of Children's Rehabilitation Center of Orthopedics and Traumatology “Ogonyok” St. Petersburg, Russia
E-mail: ogonek@zdrav.spb.ru
Ladies and gentlemen, dear participants, my dear colleagues!

As a founder and one of the organizers of the 17th Prague-Lublin-Sydney-St. Petersburg Symposium I am cordially welcoming you at this international event. It is my great pleasure to welcome among us Professor Jaroslav Blahoš, MD, DSc., honorary president of the Czech Medical Association J.E. Purkynje who this year celebrated his life anniversary. The bilateral Symposium Prague-Sydney that I organized for the first time in the year 1998 gradually spread to the Prague-Lublin-Sydney-St. Petersburg Symposium in 2013.

According to the programme this year we can look forward to the outstanding lectures and discussions of colleagues and friends from Poland, Russia, Ukraine, Belarus, Egypt, Slovakia, Sweden, USA, UK and Czech Republic, i.e. representatives of 10 nations.

My warm thanks belong mainly to my colleague Petr Krawczyk, MD, president of the Society for prosthetics and orthotics CMA J.E.Purkynje who prepared and arranged for us really very interesting social program here in Kroměříž. Last but not least I am thanking to the International organizers – these are Professor Tomasz Karski, MD, PhD and Assist. Professor Jacek Karski, MD, PhD from Lublin, and Professor Mikhail Dudin MD, DSc. and Aleksey Shashko, MD from St. Petersburg. I believe that we all spend together three wonderful days which amplified our experience and knowledge in the comprehensive care and treatment of disabled patients. I am sure that we will enjoy not only from new scientific knowledge, but also from the beauty of historical landmarks of Kroměříž that are protected by UNESCO.

Let me remember you on a few photos our very pleasant meeting in Lublin in 2014.

See photos on the next page:
Top photo, from the left: Ivo Marik, Tomasz Karski, Zbigniew Kędzierski and Mikhail Dudin
Below participants of the 16th Symposium in Lublin.

I sincerely wish the great success to the 17th Prague-Lublin-Sydney-St. Petersburg Symposium and I consider the Symposium to be open.

Associate Professor Ivo Marik, MD, PhD, FABI
Chief of the Centre for Patients with Locomotor Defects, Prague, CZ
President of the Society for Connective Tissue, Czech Medical Association, J.E. Purkynje
Scientific secretary of the Society for prosthetics and orthotics Czech Medical Association J. E. Purkynje
Chief-Editor of the journal Locomotor System – advances in research, diagnostics and therapy
E-mail: ambul_centrum@volny.cz
SYMPOSIUM FINAL PROGRAMME

SUNDAY, SEPTEMBER 20, 2015

18.00 – 21.00 WELCOME BANQUET & REGISTRATION OF PARTICIPANTS IN THE HOTEL „OCTÁRNA“

Siblings Martina & Patrik Hevr: A ROMANTIC MUSIC GIFT
B. Smetana: From the Homeland (Z domoviny), Duet for violin and piano
C. Franck: Sonata in A major for violin and piano

MONDAY, SEPTEMBER 21, 2015

8.30 – 9.00 REGISTRATION OF PARTICIPANTS IN THE HOTEL „OCTÁRNA“

9.00 IVO MARÍK & PETER KRAWCZYK, TOMASZ KARSKI & MIKHAIL DUDIN

OPENING OF THE SYMPOSIUM

85TH ANNIVERSARY OF PROFESSOR JAROSLAV BLAHOS
the Honorary President of the Czech Medical Association (CMA) of J. E. Purkynje

10.00 – 13.00 MORNING SESSIONS
Note: In every session every lecture 20 min. (with discussion)

SESSION I – GROWTH PLATE – DISORDERS OF GROWTH – VARIA

Chairmen: JAROSLAV BLAHOS, DANIELA ZEMKOVA, MILOSLAV KUKLIK

Invited lecture of Honorary President of the Czech Osteological Society CMA JE. Purkynje

BLAHOS JAROSLAV (PRAGUE, CZECH REPUBLIC)
Comparative endocrinology of calcium, calcitrophic hormones and bone
Czech Medical Association, J.E. Purkynje, Prague, Czech Republic

ZEMKOVA DANIELA1), MARÍK IVO2), 3) (PRAGUE, CZECH REPUBLIC)
Sclerosing bone dysplasias
1) Pediatric Dept., 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 Miloslav¹, ², Marik Ivo³ (Prague, Czech Republic)
Disproportional bone dysplasias. Disorders of chaotic bone growth
1) Genetic department, Olsanska 7, Prague, Czech Republic
2) Department of molecular endocrinology, Institute of Endocrinology, Prague, Czech Republic
3) Ambulant Centre for Defects of Locomotor Apparatus, Prague, Czech Republic

11.30 – 11.45 COFFEE BREAK

Popko J., Guszczyn T., Kwiatkowski M. (Białystok, Poland)
Osteogenesis imperfecta. The effect of intramedullary nails in long tubular bones.
Department of Pediatric Orthopaedics and Traumatology in Białystok, Poland

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

Smrcka Václav (Prague, Czech Republic)
Claudius Galen – Surgeon of Gladiators
Institute for History of Medicine and Foreign Languages of the 1st Faculty of Medicine, Charles University, Prague, Czech Republic

FAMILY PHOTO OF PARTICIPANTS IN THE HOTEL „OCTÁRNA”

13.00 – 14.00 LUNCH BREAK (IN THE HOTEL “OCTÁRNA”)

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 Andrey Yevgenyevic, Stupina Tatyana Anatolyevna, Krasnov Vitaliy Viktorovich (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

Karски Tomasz¹), Karски Jacek²), Kędzierski Zbigniew³), Kar ска Klaudia⁴) (Lublin, Poland)

**Back pain. Causes. The possibility of treatment by physiotherapy**

1) Vincent Pol University in Lublin, Poland
2) Pediatric Orthopedic and Rehabilitation Department of Medical University in Lublin. Head of the
   Department: Professor Grzegorz Kandzierski, Poland
3) Orthopedic Surgeons, Commandant of Soldier Hospital in Lublin, Poland
4) Radiology Department of Medical University in Lublin, Poland

Kolesnichenko Vera¹), DNiprovska Alyona²)

**Evaluation of the musculoskeletal system functional state in patients with different variants of Scheuermann’s disease**

1) SI “Sytenko Institute of Spine and Joint Pathology, National Academy of Medical Sciences of Ukraine”
2) Vinnitsa National Medical University Named after Pirogov N.I.

Karски Jacek¹), Karски Tomasz²), Madej Jacek³), Kar ска Katarzyna⁴) (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., Poland
2) Vincent Pol University in Lublin, Poland
3) Out-Patient Clinic in Lublin, Poland
4) Medical University in Lublin, Languages Dept., Poland

16.00 – 16.15 COFFEE BREAK

Karски Tomasz¹), Karски Jacek²), Kędzierski Zbigniew³), Madej Jacek⁴), Kar ска Katarzyna⁵) (Lublin, Poland)

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

1) Vincent Pol University in Lublin, Poland
2) Medical University of Lublin, Poland
3) Military Hospital in Lublin, Poland
4) Orthopaedic Out Patients Clinic, Poland
5) Medical University in Lublin, Poland
Cerny Pavel1), 3), 4), MariK Ivo2), 3) (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

MariK Ivo1), 4), Zemkova Daniela2), 4), Myslivec Radek3), 4), Petrasova Sarka4), Valesova Monika1) , Culik Jan4) 
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

Serdiuchenko Sergei1), Sakalouski Aleh2) (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

17.30 – 18.30 DINNER (IN THE HOTEL “OCTÁRNA”)

EVENING SOCIAL PROGRAM:

19.00 – 20.30 CONCERT IN ASSEMBLY HALL OF THE CASTLE:
Felix Slováček, Boris Krajný

20.30 – 21.30 Picture gallery visit
TUESDAY, SEPTEMBER 22, 2015

8.30 – 9.00 REGISTRATION OF PARTICIPANTS IN THE HOTEL „OCTÁRNA“

9.00 –12.00 MORNING SESSIONS

8.30 – 9.00 MORNING SESSIONS
Note: In every session every lecture 20 min. (with discussion)

GROWTH PLATE – DISORDERS OF GROWTH – VARIA

SESSION III – ORTHOPAEDIC PROSTHETICS

Chairmen: ROSICKY JIRI, KRAWCZYK PETR, ALAM ELDIN MOHAMED

ALAM ELDIN MOHAMED (SOHAG, EGYPT)
Results of Surgical Management of Unstable Pelvic Ring Injuries
Sohag faculty of medicine, Sohag, Egypt

KALETA EVA1), LIPINA RADIM2), ROSICKY JIRI1), MARTIN CHLACHULA2) (OSTRAVA & FRYDEK-MISTEK, CZECH REPUBLIC)
Orthotic Treatment of the Head Positional Deformities
1) Ortopedicka Protetika, Frydek-Mistek, Czech Republic
2) University Hospital Ostrava, Department of Neurosurgery, Ostrava, Czech Republic

LIPINA RADIM1), ROSICKY JIRI2), CHLACHULA MARTIN1), KALETA EVA2) (OSTRAVA & FRYDEK-MISTEK, CZECH REPUBLIC)
Minimally invasive treatment of craniosynostosis: endoscopically assisted suturectomy and postoperative helmet therapy
1) University Hospital Ostrava, Department of Neurosurgery, Ostrava, Czech Republic
2) Ortopedicka Protetika, Frydek-Mistek, Czech Republic

11.30 –11.45 COFFEE BREAK

ROSICKY JIRI1), 2), GRYGAR ALES1), PARAVAN MARIO2), PACIOREK MARTIN3) (OSTRAVA & FRYDEK-MISTEK, CZECH REPUBLIC)
Multidisciplinar Team Approach in Anaplastology
1) ING corporation,l.l.c., Frydek-Mistek, Czech Republic
2) Ortopedicka Protetika, Frydek-Mistek, Czech Republic
3) University Hospital Ostrava, Department of Neurosurgery, Ostrava, Czech Republic
Krawczyk Petr\textsuperscript{1}, Mari\v{k} Iv\v{g}\textsuperscript{2}, Jakub Jozef\textsuperscript{1}, Sykora Ales\textsuperscript{1}, Zemkova Daniela\textsuperscript{2}, Petrasova Sarka\textsuperscript{2}, Mari\v{k} Jan\textsuperscript{2}, Uchytil Jaroslav\textsuperscript{3}, Jandacka Daniel\textsuperscript{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 I.I.C., Ostrava, Czech Republic
2) Ambulant Centre for Defects of Locomotor Apparatus I.I.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

Krawczyk Petr\textsuperscript{1}, Spisakova Jana\textsuperscript{2}, Sykora Ales\textsuperscript{1}, Princ Vladan\textsuperscript{3}, Dvorak Radmil\textsuperscript{4} (Ostrava, Pilsen, Olomouc \& Ko\v{s}ice, Czech Republic \& Slovakia)

Application of myoelectric hand prosthesis in children
1) PROTEOR CZ I.I.C., Ostrava, Czech Republic
2) Dept. of Orthopaedic Prosthetics UNLP, Ko\v{s}ice, Slovakia
3) Otto Bock CZ I.I.C., Pilsen, Czech Republic
4) Division od Physiotherapy FTK, Palacký University, Olomouc, Czech Republic

12.00 – 13.00 LUNCH BREAK (IN THE HOTEL “OCTÁRNA”)

13.00 – 16.30 AFTERNOON SESSIONS

GROWTH PLATE – DISORDERS OF GROWTH – VARIA

SESSION IV – BIOMECHANICS, ORTHOPAEDIC ANTHROPOLOGY

Chairmen: Petrtyl Miroslav, Tichy Miroslav, Parizkova Jana

Shashko Aleksey Aleksandrovich, Arsenev Aleksey Valentinovich (St. Petersburg, Russia)

Roentgenomorphometry in rare inherited diseases, accompanied by an asymmetrical growth of lower extremities
Children's Rehabilitation Center of Orthopaedics and Traumatology “Ogonyok”, St. Petersburg, Russia.

Culik Jan

Gait model for uneven leg length
Czech Technical University, Division of Informatics of Faculty of Biomedical engineering, Kladno, Czech Republic
PALLOVA IVETA (DOBROCHOVICE & 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., Dobrochovice, Czech Republic

HONZIKOVA MARTA

**Systemic enzymotherapy in orthopaedics and traumatology**
Mucos.cz, Prague, Czech Republic

14.30 – 14.45 COFFEE BREAK

PARIZKOVA JANA (PRAGUE, CZECH REPUBLIC)

**Biomechanical problems and body posture in obese children and adolescents**
Obesity Management Centre, Institute of Endocrinology, Prague, Czech Republic

STIRBRNA LUCIE¹, BLAHA PAVEL² (PRAGUE, CZECH REPUBLIC)

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

BLAHA PAVEL¹, HILL MARTIN² (PRAGUE, CZECH REPUBLIC)

**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:

16.30 – 19.30 Visit of the Flower garden abounding with flowers (transport by choo-choo train to the Archbishop’s Chateau where a guided tour follows)

19.30 – 23.00 Dinner/Raut in the Hotel “Octárna” and Cimbalo music
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 JACEK

ARSENEV ALEKSEY VALENTINOVICH, KURCHENKO SERGEY NIKOLAYEVICH (ST. PETERSBURG, RUSSIA)
Peculiar properties of hemihypertrophy in patient with Beckwith-Wiedemann syndrom. Possibility of its conservative treatment
Children’s Rehabilitation Center of Orthopaedics and Traumatology “Ogonyok”, St. Petersburg, Russia

KAZEMIRSKY VIKTOR YEVGENYEVICH, RYBKA DINA OLEGOVNA (ST. PETERSBURG, RUSSIA)
Early ultrasound signs of coxarthrosis in children and adolescents
Children’s Rehabilitation Center of Orthopaedics and Traumatology “Ogonyok”, St. Petersburg, Russia

ROMANOWSKI RICHARD ALOIZY (MÄLMO, SWEDEN)
Evidence Based Intermittent Pneumatic Massage System (EBIPMS) - method
Falsterbogatan 25, 21436 Malmö, Sweden

BORSKY MILAN1), MURPHY NORMAN2), SOUCKOVA MARIE3) (ZLÍN, CZECH REPUBLIC)
Validation of parameters for the new type of children’s orthotic using method of in-shoe foot plantar measurement
1) Proteching B, Pressure Mapping Lab., Zlín, Czech Republic
2) Tekscan Inc., Medical Division, South Boston, USA,
3) MUDr. Marie Souckova, Medical podiatric centre, Prague, Czech Republic

BRAUN MARTIN1), BREITSCHEIDER IV2), KERHARTOVA LENKA3), DUSKOVA KATERINA3) (PRAGUE & USTI N. ORLICI, CZECH REPUBLIC)
The importance of collagen for nutrition of the locomotor system connective tissues, particularly the joints
1) Dept. of Composites and Carbon Materials, Institute of Rock Structure and Mechanics, Academy of Sciences of the Czech Republic, Prague, Czech Republic
2) Eye Tissue Bank, General University Hospital, Prague, Czech Republic
3) Orling l.l.c., Usti n. Orlici, Czech Republic
CERNY PAVEL 1), 3), 4), MARIK IVO 2), 3) (PRAGUE, CZECH REPUBLIC)  
The original radiographic methods for evaluation of axial vertebral rotation and axial pelvis rotation (with use of 3D pelvis model)  
1) ORTOTIKA I.I.C., Prague, Czech Republic  
2) Ambulant Centre for Defects of Locomotor Apparatus I.I.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  

NOTE: 10 min. for presentation and discussion to each Poster  

10.15 – 10.30 COFFEE BREAK  

tInvited lecture of Honorary President of the Society for Connective Tissues, CMA JE. Purkynje

HYANEK JOSEF (PRAGUE, CZECH REPUBLIC)  
Phenylketonuria and osteoporosis  
Dept. of Biochemistry, Hospital Na Homolce, Prague, Czech Republic

SESSION VI – NANOSTRUCTURES, TISSUE ENGINEERING, BIOCHEMISTRY

Chairmen: BALIK KAREL, PETRITYL MIROSLAV, KARSKI JACEK  

BALIK KAREL, SUCHY TOMAS, SUPOVA 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, Czech Republic

BRAUN MARTIN, SUCHY TOMAS, SUPOVA MONIKA, RYGOVA SARKA, ZALOUDKOVA MARGIT, SUCHARDZ ZBYNEK, DENK FRANTISEK, KRIZKOVA MARTINA, BALIK KAREL (PRAGUE, CZECH REPUBLIC)  
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, Czech Republic
**Initial Biomechanical Conditions Concerning 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) ORTOTIKA I.l.c., 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

**Autologus chondrocytes – our implantation technique and its limits, other treatment methods of chondral defects and special indications**

1) Orthopedic & Traumatology Clinic, 3rd Medical Faculty of the Charles University, Prague, Czech Republic  
2) Orthopedic Department, Derby Hospital, Derby, UK

**Value of Platelet-Rich Plasma in the Treatment of Osgood-Schlatter Disease**

1) Paediatric Orthopaedic and Rehabilitation Department of Medical University in Lublin, Poland  
2) Department of Interventional Radiology and Neuroradiology of Medical University in Lublin, Poland

13.00 – 14.00 LUNCH BREAK (IN THE HOTEL “OCTÁRNA”)

14.00 – 16.15 AFTERNOON SESSIONS
GROWTH PLATE – DISORDERS OF GROWTH – VARIA

SESSION VII – VARIA

Chairmen: JANA PARIZKOVA, MARIK IVO, MOHAMED ALAMELDIN

WANKA PAVEL, SNYTR JAN (PLISEN, CZECH REPUBLIC)
24 hours concept for children with cerebral palsy
Otto Bock CZ l.l.c., Czech Republic

HADDAM MOHAMMED KHALED (TELMCEN, ALGERIA)
Dynamic orthosis for a cerebral palsy
Clinique Orthopedie El Habbak, Tlemcen, Algeria

WANKA PAVEL, SNYTR JAN (PLISEN, CZECH REPUBLIC)
Medical devices for neuroorthopaedic children
Otto Bock CZ, l.l.c., Czech Republic

MARIK IVO1, 3), MARIKOVA ALENA1), HUDAKOVA OLGA1), ZEMKOVA DANIELA1, 2) (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

CLOSING OF THE SYMPOSIUM AND PLANNING
THE 18TH PRAGUE-LUBLIN-SYDNEY-ST. PETERSBURG SYMPOSIUM

IVO MARIK & PETR KRAWCZYK, TOMASZ KARSKI & MIKHAIL DUDIN

FAMILY PHOTO OF PARTICIPANTS IN THE HOTEL „OCTÁRNA“

16.00 –16.20 COFFEE BREAK

SOCIAL PROGRAM

17.00 – 18.30 COSTUME GUIDED KROMĚŘÍŽ SIGHTSEEING TOUR
18.30 – 23.00 FAREWELL PARTY

DINNER WITH WINE TASTING (THE CELLAR IN HOTEL PURKMISTR)
THURSDAY, SEPTEMBER 24, 2015

9.00 CELEBRATORY BREAKFAST IN THE HOTEL “OCTÁRNA”
GOOD BYE!

NOTES FOR ALL PARTICIPANTS
Lectures and text slides will be presented in English. Time of the individual lectures is about 20 min., it contains time for discussion, too! Presentation and discussion of posters 10 min.
A list of lectures/posters and chairmen of sessions can be changed!

Conference fee 10 Euros, Social programme & refreshment 40 Euros will be paid during registration. Accommodation in hotels everybody pays independently.

Participants will receive the Symposium programme & materials and Certificate of the Symposium Attendance


A list of other hotels and websites where it is possible to provide accommodation:
http://www.hotelboucek.cz/hotel
http://www.hotelpurkmistr.cz

SOCIAL PROGRAMS
Landmark protected by UNESCO:

RECAPITULATION
Estimated costs in addition to the registration fee (10 Euros) will be:
social programme and refreshment contribution 40 Euro + accommodation (everybody without assistance)

Do not hesitate address your questions to:

Associate Professor Ivo Marik, MD, PhD.
Prague, Czech Republic
E-mail: ambul_centrum@volny.cz & Petr Krawczyk, MD, E-mail: petr.krawczyk@seznam.cz
PROF. HYÁNEK, MD, DSC.

Prof. Hyánek (born in July 27, 1933 in Wallachia) is a well-known specialist in the field of biochemistry focused on diagnostics of inherited metabolic diseases. He is the founder of organized care for children with inherited metabolic disorders in Czech Republic.

Prof. Hyánek started his professional career outside Prague – Uherské Hradiště and Luhačovice, as a pediatrician. He moved to Prague in the year 1959 and started to work at the Department of Clinical Biochemistry at 1st Medical Faculty of Charles University in Prague. He became a head of the department in the year 1984. He was interested in metabolic disorders, cardiovascular diseases and hypercholesterolemia a hyperhomocysteinemia in his wholelife research. Prof. Hyánek was appointed as professor of clinical biochemistry at the 1st Medical Faculty of Charles University in the year 1985. He founded the Diagnostic Centre of Inherited Metabolic Disorders in the year 1986 there. Prof. Hyánek left leading this department in 1992 and started to build up a new Dept. of Clinical Biochemistry, Hematology and Immunology at the Hospital Na Homolce in Prague.

He wrote two monographs about metabolic disorders, 5 times he is a co-author of monographs and textbooks. He published around 225 papers.

Prof. Hyánek was the president of the Committee for inherited metabolic disorders of Czech Pediatric Society for 28 years. He was a consultant of WHO for 2 years (1983–1984). He formed the genesis of National Audit Reference Laboratory of Ministery of Health of Czech Republic.

Prof. Hyánek is a member of numerous of scientific worldknown societies and invited famous speaker on reputable conferences.
Prof. Jaroslav Blahoš, MD, DSc. (born in June 30, 1930 in Horažďovice) is a Czech world
known endocrinologist, founder and specialist of medical branch osteology.
Prof. Blahoš began as a doctor in Franzensbad in the year 1955. After he worked at the
Research Institute of Endocrinology in Prague during the years 1958–1968. His main research
interest was poited to bone metabolism, especially to calcitonin and urinary acids. His monogra-
ph about calcitonin was famous. He used the opportunity to work abroad and spent two years in
Harar in Ethiopia (1961–1963) and two years at the endocrinology clinic Beaujon hospital in Paris
(1968–1969). After these experiences he worked at the Internal Medicine Department at The 2nd
Medical Faculty of Charles University in Prague (teaching hospital Motol and Under the Petrin
Hill) since 1969. He became a professor and got to the lead of this department during the years.
Prof. Blahoš moved to the Central Military Hospital in Prague in 1993 (as the head of Department
of Internal Medicine). He founded the first osteocenter in the Czech Republic there in 1997.
Prof. Blahoš published over 370 scientific papers and 10 monographs. The most important
is the textbook Endocrinology. He lectured in many coutries all over the world. He has been a
chairman of the Czech Medical Society of Jan Evangelista Purkyne since September 1990. Prof.
Blahos had been the first president of the World Medical Association from eastern Europe coun-
tries (in 1999–2001). He is a member and an honourable member of a row world medical and
scientific associations.
His wholelife work and scientific successes were awarded by many awards. The most respec-
ted are The State Honour for Merits (President Havel, 2000), The Knight of Medal of Honourable
Legion (President Chirac, 2002), The Officer of Honourable Legion (President Sarkozy).
Prof. Jaroslav Blahoš is one of the most outstanding living persons of Czech medicine.
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Patrik Hévr je držitelem cen a stipendií nadací české The Kellner Family Foundation a dále německých Erna Köhler-Stiftung a Anny Kast-Stiftung, DAAD, nadace PE-Förderungen für Studierende der Musik e.V. a Yehudi Menuhin Stiftung „Live Music Now“.

Patrik Hévr již vystoupil na koncertech ČF či FOK či s Norimberskými symfoniky. Pochvalnou kritiku získaly taktéž jeho četné sólové koncerty či koncerty s komorními soubory v Norsku, v Dánsku, Itálii či Německu.