

THE 19TH PRAGUE-LUBLIN-SYDNEY-ST. PETERSBURG SYMPOSIUM

Interdisciplinary approach to growing skeleton

13th –16th September 2017 | Prague | Czech Republic







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

invite you to

THE 19TH PRAGUE-LUBLIN-SYDNEY-ST. PETERSBURG SYMPOSIUM

main topic

INTERDISCIPLINARY APPROACH TO GROWING SKELETON

under the auspices of
honorary president of the Czech Medical Association J.E. Purkyně

Professor Jaroslav Blahoš, MD, DSc.

&

director of Charles University Hospital Hradec Králové

Professor Vladimír Palička, MD, PhD, Dr.h.c.

&

dean of The Faculty of Health Care Studies, West Bohemia University

Assoc. Professor Dr. Ilona Mauritzová, PhD

The Symposium will be held in the Czech Police Museum & the Medical House
Sokolská 31, 120 26 Prague 2, Czech Republic
September 13–16, 2017



Speech of welcome to

The 19th Prague-Lublin-Sydney-St. Petersburg Symposium – Interdisciplinary approach to growing skeleton

Prague, September 13, 2017

Dear Ladies and Gentlemen, my dear colleagues!

I cordially welcome you all at this traditional international symposium which establishment will be mentioned by my friend Professor Tomasz Karski who is an honorary member of the Society for Connective Tissues, Czech Medical Association J.E.Purkynje. It is my great honour to welcome among us Associate Professor Dr. Ilona Mauritzova, PhD, the dean of The Faculty of Health Care Studies, West Bohemia University and invited speaker Professor Vladimir Palicka, MD, PhD., Dr.h.c., the director of Charles University Hospital Hradec Králové and president of the Czech Society for Metabolic Bone Diseases. Professor Jaroslav Blahos, MD, DSc., honorary president of the Czech Medical Association (CMA) J.E. Purkynje (JEP) was unable to join us because of his health problems. He sends his regards to all participants and he wishes success to the Symposium. It is my pleasure to welcome Professor Milan Bayer, PhD who is one of the founders of the Czech Society for Metabolic Bone Diseases and chief editor of the medici journal Osteological Bulletin. I cordially welcome all colleagues and especially these who participate in the Symposium for the first time. I am very pleased that this year the programme of the Symposium attracted colleagues from Belarus, Greece, Germany, the Netherlands, Poland, Russia and Ukraine and I hope for a future close not only scientific cooperation.

My great thanks belong to all International organizers – these are Professor Tomasz Karski, his son Assistant Professor Jacek Karski, MD, PhD from Lublin, further Prof. Mikhail Dudin, MD, DSc. and Assistant Professor Aleksey Shashko, MD from St. Petersburg. My warm thanks belong mainly to my close colleague Petr Krawczyk, MD(Ostrava, Czech Republic), president of the Orthotic and Prosthetic Society CMA JEP and last but not least to members of the Committee of the Society for Connective Tissues CMA JEP who prepared for you interesting social program.

The organizers are grateful for the support of The Symposium especially to the General Partner "ottobock." and the Partner "Orling s.r.o."

I believe that scientific lectures will amplified our knowledge which will become a profit for our disabled patients. I wish you to enjoy new scientific information, your stay in Prague and I wish you to make new friendships which will help us to arrange international and interdisciplinary scientific research.

At the end of my speech I would like to remember you well known Professors: Jacques Cheneau, Georg Neff, Kazimierz Kozłowski and Michael Bellemore. They sincerely wish a great success to The 19th Prague-Lublin-Sydney-St Petersburg Symposium.

Now, let me a short reminiscence of a few moments that we spent with most of you in Zwierzyniec (District Zamość, Poland) in September 2016. Look at photos.

Professor Ivo Marik, MD, PhD, FABI

Faculty of Health Care Studies, West Bohemia University, Pilsen, CZ
Chief of the Centre for Patients with Locomotor Defects, Prague, CZ
President of the Society for Connective Tissue, CMA J.E. Purkyně
Scientific secretary of the Society for Prosthetics and Orthotics, CMA J. E. Purkyně
Chief-Editor of the journal Locomotor System – advances in research, diagnostics and therapy
Prague, Czech Republic
E-mail: ambul_centrum@volny.cz

Dear Friends, Dear Colleagues,

it is my very big privilege to be together with our Friends – Professors, Doctors of various specializations, Physiotherapists, Orthopaedic-Prosthetics & Technicians in the 19th Symposium in Prague.

I would like to remember you, that majority of Symposia went on here, in Prague in Czech Republic, one time in Kroměříž, Czech Republic (The 17th Symposium, 2015). The first meeting of the interested specialists in genetic skeletal disorders took place in 1999 year in Sydney a next year in Prague due to close cooperation with Associate Professor Kazimierz Kozłowski M.R.A.C.R. and Associate Professor Michael Bellemore F.R.A.C.S. from Sydney (both from Children's Hospital Medical Centre in Westmead Australia). These meetings were retrospectively called "The 1st and the 2nd Prague-Sydney Symposium". In 2006 the symposium was re-called to The Prague-Lublin-Sydney Symposium because of close cooperation with Lublin orthopaedic paediatric surgeons.

In 2011, The 13th Symposium Prague-Sydney-Lublin & Biomechanical workshop was taken place in Rhodos (Greece), next year in Sarbinowo (Poland).

In 2013, The 15th Symposium was held in St. Petersburg (Russia) in "Ogonyok" Rehabilitation Centre and the designation of the symposium was again extended.

In 2014, The 16th Prague-Lublin-Sydney-St. Petersburg Symposium took place in Military Hospital in Lublin (Poland).

The 18th Symposium took place in Guest House „Zacisze“ in Zwierzyniec (Poland) in 2016.

The 19th Symposium Prague-Lublin-Sydney-St. Petersburg gathers us in beautiful Prague. I would like to repeat, that these all scientific meetings were and are possible only owing to Professor Ivo Marik, thanks to his hard work, good organization, good cooperation with the other friends from Czech Republic and with colleagues from abroad.

Dear Ivo, many thanks to you and yours co-organizers!

I am sure, that The 19th Symposium will be, like foregoing, in friendly atmosphere, with successful organization and it will bring us recent interdisciplinary knowledge and new good ideas for treatment of sick and disabled patients

Prof. 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

tmkarski@gmail.com
t.karski@neostrada.pl
www.ortopedia.karski.lublin.pl

Hello, Golden Prague! Dobrý Den!
Ladies and gentlemen!

One more year flies by and we meet again at The 19th Symposium! It is quite special to us, because exactly four years ago, you, dear friends and colleagues, welcomed specialists from Saint-Petersburg Children's Rehabilitation Centre of Orthopedics and Traumatology "Ogonyok" into the kind and friendly family of yours!

Since that memorable year, 2013, the ideology of the Symposium has taken the leading role in planning and realization of all the scientific-practical work of our Centre.

Jan Evangelista Purkyně, a great Czech encyclopaedist, who was born 230 years ago, and was the founder of present day science about tissues of a living organism, the man, after who was named not only a number of anatomic structures, but also a crater on the Moon, always stood for cooperation of people, organizations, and nations in the fields of science and culture.

With good reason, I think, that Prague-Lublin-Sydney-Saint-Petersburg Symposium, which cultivates the interdisciplinary cooperation in solving problems connected to locomotor system, is a well-deserved follower of the ideas of the great Czech. And thus, we are proud that we are able to make our humble contribution.

From all my heart, I wish the Symposium, which will undoubtedly give us all new knowledge and ideas, to work successfully

Sincerely yours

Professor Mikhail Dudin

Director of Children's Rehabilitation Centre of Orthopedics
and Traumatology "Ogonyok" St. Petersburg, Russia
E-mail: ogonek@zdrav.spb.ru



SYMPOSIUM FINAL PROGRAMME

WEDNESDAY, SEPTEMBER 13, 2017

Arrival of participants to Prague

19.30 GALA DINNER WITH FOREIGN GUESTS

Restaurant "Historie" (Londýnská 52, Praha 2 – near Metro station I.P. Pavlova
<http://www.restaurace-historie.cz/en/>)

THURSDAY, SEPTEMBER 14, 2017

8.00–9.00 REGISTRATION OF PARTICIPANTS

in the Czech Police Museum (Ke Karlovu 1, Praha 2, www.muzeumpolicie.cz)

9.00 OPENING OF THE SYMPOSIUM

Ivo Marik & Tomasz Karski & Mikhail Dudin (or Aleksey Arsenev)

WELCOME SPEECHES

Professor Ivo Marik, MD, PhD

President of the Society for Connective Tissues, Czech Medical Association J.E. Purkyně

Professor Mikhail Dudin, MD, DSc.

Honorary member of the Society for Connective Tissues, Czech Medical Association J.E. Purkyně

Professor Tomasz Karski, MD, PhD

Honorary member of the Society for Connective Tissues, Czech Medical Association J.E. Purkyně

GREETINGS

Assoc. Professor Dr. Ilona Mauritzová, PhD

Dean of The Faculty of Health Care Studies, West Bohemia University

Professor Josef Hyanek, MD, DSc.

Honorary president of the Society for Connective Tissues, Czech Medical Association J.E. Purkyně

9.30–12.00 **SESSION I**

BIOMECHANICS – VARIA

Chairmen: PETR TYL MIROSLAV, CULIK JAN, MARŠIK FRANTIŠEK

PETR TYL MIROSLAV¹, VOLF JAROMÍR², POVYSIL CTIBOR³ (PRAGUE, CZECH REPUBLIC)

The subtle electrical energy in bone tissue (30 min.)

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

² Department of Electrical Engineering and Automation, The Faculty of Engineering, Czech University of Life Sciences Prague

³ Institute of Pathology, 1st Faculty of Medicine, Charles University, Prague, Czech Republic

MARŠIK FRANTIŠEK^{1, 2, 3} (PRAGUE, CZECH REPUBLIC)

The irreversibility of natural processes and their consequences for the evolution of biological systems. Entropy and its biological interpretation (30 min.)

¹ Institute of Thermomechanics of the Czech Academy of Sciences, Prague, Czech Republic

² University of West Bohemia, New Technologies - Research Centre, Pilsen, Czech Republic

³ Faculty of Mathematics and Physics, Charles University, Prague, Czech Republic

TESAR KAREL^{1, 2}, SUCHARDA ZBYNEK³, ZALOUDKOVÁ MARGIT³, BALÍK KAREL³ (PRAGUE, CZECH REPUBLIC)

Biodegradable magnesium wires for bone support application (20 min.)

¹ Department of Materials, Faculty of Nuclear Sciences and Physical Engineering, Czech Republic

² Department of Dielectrics, Institute of Physics of the Czech Academy of Sciences, Czech Republic

³ Department of Composites and Carbon Materials, Institute of Rock Structure and Mechanics of the Czech Academy of Sciences, Prague, Czech Republic

BRAUN MARTIN, RYGLOVA SARKA, SUPOVA MONIKA, ZALOUDKOVA MARGIT, KRIZKOVA MARTINA, SUCHARDA ZBYNEK, SUCHY TOMAS (PRAGUE, CZECH REPUBLIC)

Chemical analysis of collagen and non-collagen components of composite biomaterials for implantology (20 min.)

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

CULIK JAN (PRAGUE, CZECH REPUBLIC)

Gait model (20 min.)

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

KRAWCZYK PETR¹, **MARIK IVO^{2,4}**, **JAKUB JOZEF¹**, **SYKORA ALES¹**, **ZEMKOVA DANIELA²**, **PETRASOVA SARKA²**, **MARIK JAN²**, **UCHYTL JAROSLAV³**, **JANDACKA DANIEL³** (PRAGUE & OSTRAVA, CZECH REPUBLIC)

Influence of the weight of the transtibial prosthesis on postural stability and locomotion (20 min.)

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*

⁴ *Faculty of Medical Studies, West Bohemia University, Pilsen, Czech Republic*

12.00 LUNCH

13.00–16.30 **SESSION II**

Invited lecture of the President of the Society for Metabolic Bone Diseases (SMOS), Czech Medical Association J.E. Purkyně
PROFESSOR VLADIMIR PALICKA, MD, PHD, DR.H.C.

Introduction: **OLGA HUDAKOVA, MD, PHD**

PALICKA VLADIMIR (HRADEC KRALOVE, CZECH REPUBLIC)

Clinical Osteology in the Czech Republic (organization and development) (30 min.)

Charles University and University Hospital Hradec Králové, Czech Republic

Moderator: **PROFESSOR JOSEF HYANEK, MD, DSC.**

(Honorary president of the Society for Connective Tissues, Czech Medical Association J.E. Purkyně)

OSTEOLOGY, BONE METABOLISM

Chairmen: PALICKA VLADIMIR, LYRITIS GEORGE, HYANEK JOSEF, MARIK IVO

PROFESSOR GEORGE LYRITIS, MD, PHD, DR.H.C.

Introduction: OLGA HUDAKOVA, MD, PHD

LYRITIS GEORGE (EMERITUS PROFESSOR OF ORTHOPEDICS, PRESIDENT OF HELLENIC OSTEOPOROSIS FOUNDATION
HONORARY MEMBER OF THE SOCIETY FOR CONNECTIVE TISSUES, CZECH MEDICAL ASSOCIATION J.E. PURKYNJE)
(ATHENS, GREECE)

ELECOST: A Greek educational tool for the diagnosis and management of osteoporosis in Greece (30 min.)

Faculty of Medicine, National and Kapodistrian University of Athens, Greece

RIZOU STAVROULA (ATHENS, GREECE)

Are Women Overtreated for Osteoporosis? (30 min.)

Hellenic Osteoporosis Foundation, Kifissia, Greece

NIKOLAOU DIMITRIOS¹, RIZOU STAVROULA² (ATHENS, GREECE)

A novel approach for fracture risk and risk of falling aggregation (30 min.)

¹ *Medical School, National and Kapodistrian University of Athens, Greece*

² *Hellenic Osteoporosis Foundation, Kifissia, Greece*

LAMBROU GEORGE I.^{1, 2, 3, 4} (ATHENS, GREECE)

Microgravity and bone metabolism. Issues of orbis novum colonialization (30 min.)

¹ *National and Kapodistrian University of Athens, Medical School*

² *Graduate Program "Metabolic Bones Diseases", National and Kapodistrian University of Athens,*

³ *Medical School, Goudi, Athens, Greece*

⁴ *First Department of Pediatrics, University of Athens, Choremeio Research Laboratory, National and Kapodistrian University of Athens, Greece*

15.30 COFFEE BREAK

BAYER MILAN^{1, 2}, JIROTKOVA JANA³ (PRAGUE, CZECH REPUBLIC)

Osteogenesis imperfecta – treatment with bisphosphonate from newborn period (30 min.)

¹ *Department of Children and Adolescents, Third Faculty of Medicine, Charles University, Prague, Czech Republic*

² *Department of Pediatrics, Thomayer Hospital of Prague, Czech Republic*

³ *Department of Pediatrics, Hospital of Ceske Budejovice, Czech Republic*

VYSKOCIL VACLAV¹, BLAHOS JAROSLAV² (PILSEN & PRAGUE, CZECH REPUBLIC)

Alendronate therapy for osteogenesis imperfecta in children: ten-year follow-up (30 min.)

¹ Department of Orthopaedic Surgery, Charles University Hospital, Pilsen,

² 1st Medical Faculty Prague, Charles University, Central Military Hospital, Prague, Czech Republic

17.30 GUIDED VISIT OF THE EXHIBITION MAN-MADE MAN-TECHNOLOGY AND MEDICINE,
NATIONAL TECHNICAL MUSEUM PRAGUE
(Kostelní 42, 170 78 Prague 7, www.ntm.cz/en/en-muzeum)

20.00 DINNER

Note: transfer to the National Technical Museum and to dinner is secured by bus

FRIDAY, SEPTEMBER 15, 2017

8.00–9.00 REGISTRATION OF PARTICIPANTS
in the Medical House, Prague (Sokolská 490/31, 120 00 Praha 2,
www.cls.cz/koncepcie-vyuziti-ld)

9.00–13.00 **SESSION III:**

SPINE DISORDERS I: PATHOGENESIS, DIAGNOSIS AND TREATMENT

Chairmen: KARSKI TOMASZ, ARSENEV ALEKSEY VALENTINOVICH, REPKO MARTIN

KARSKI TOMASZ¹, KARSKI JACEK² (LUBLIN, POLAND)

Twenty two years of knowledge about aetiology of the so-called idiopathic scoliosis (adolescent idiopathic scoliosis – AIS). Rules of casual prophylactics and new treatment. Examples (20 min.)

¹ Vincent Pol University in Lublin, Poland

² Pediatric Orthopedic and Rehabilitation Department of Medical University in Lublin, Poland

PALLOVA IVETA (PRAGUE, CZECH REPUBLIC)

Characteristic features of idiopathic scoliosis (20 min.)

Center of Rehabilitation, Pediatrics and Acupuncture, Prague, Czech Republic

ARSENEV ALEKSEY VALENTINOVICH, DUDIN M.G. (ST. PETERSBURG, RUSSIA)

"Targets" for pathogenetic treatment of patients with adolescent idiopathic scoliosis (20 min.)

Children's Rehabilitation Center of Orthopaedics and Traumatology "Ogonyok", St. Petersburg, Russia

REPKO MARTIN, FILIPOVIC MILAN (BRNO, CZECH REPUBLIC)

Surgical Treatment Strategy of Early Onset Scoliosis (20 min.)

Orthopaedic department, Faculty Hospital of Masaryk's University, Brno, Czech Republic

PIET J.M. VAN LOON¹, RUUD HGP VAN ERVE¹, ERIC BTM THUNNISSEN², LODEWIJK W. VAN RHIJN³,
ANDRE J GROTENHUIS⁴ (DEVENTER, AMSTERDAM, MAASTRICHT & NIJMEGEN, NETHERLANDS)

Sedentary lifestyle and discongruent neuro-osseous growth relations (M. Roth) as external and internal etiologic factors of spinal deformity and skeletal malalignment. Modern youth and their short cord (20 min.)

¹ Orthopedic surgeon, Care to Move, Centre for Orthopedics, Deventer, Netherlands

² Pathologist, epidemiologist VUMC, Free University, Amsterdam, Netherlands

³ Professor of orthopedic surgery, Maastricht UMC, Maastricht, Netherlands

⁴ Professor of neurosurgery, RadboudMC, University of Nijmegen, Netherlands

11.00 COFFEE BREAK

SPINE DISORDERS II – PATHOGENESIS, DIAGNOSIS AND TREATMENT – VARIA

Chairmen: KOLESNICHENKO VERA, CERNY PAVEL, KARSKI JACEK

CERNY PAVEL^{1, 2, 3}, STOLINSKI LUKASZ^{4, 5, 6}, CZAPROWSKI DARIUS^{7, 8}, MARIK IVO^{1, 9}, MURANOVA J.³, KOTWICKI T.⁴
(PRAGUE, PILSEN, CZECH REPUBLIC – POZNAN OLSZTYN, POLAND)

Method of measuring axial pelvis rotation – a pilot study (20 min.)

¹ Faculty of Health Care Studies, University of West Bohemia, Pilsen, Republic

² Faculty of Physical Education and Sport, Charles University, Prague, Republic

³ ORTOTIKA, I.I.c., the complex of the Faculty Hospital at Motol, Prague, Republic

⁴ Department of Spine Disorders and Pediatric Orthopedics, University of Medical Sciences, Poznan, Poland

⁵ Rehasport Clinic, Poznan, Poland.

⁶ Rehasport Clinic Licensed Rehabilitation Center, Skierniewice, Poland

⁷ Department of Physiotherapy, Józef Rusiecki University College, Olsztyn, Poland

⁸ Center of Body Posture, Olsztyn, Poland

⁹ Ambulant Centre for Defects of Locomotor Apparatus I.I.c., Prague, Czech Republic

VASILEVICH SERGEY VIKTOROVICH³, ARSENEV ALEKSEY VALENTINOVICH¹, DUDIN MIKHAIL GEORGIYEVIC¹, BALOSHIN YURIY ALEKSANDROVICH³, KIPKE M.V.², SOROKIN A.A.², SUKHOV T.M.³, SUKHOVA M.A.^c (ST. PETERSBURG, RUSSIA)

The potential of modern mobile technology for the diagnosis of anthropometric parameters of a human (20 min.)

¹ Children's Rehabilitation Center of Orthopaedics and Traumatology "Ogonyok"

² FSBEI HE Baltic State Technical University "Voenmeh" Named after D.F. Ustinov

³ "Smart-Orto" Ltd, St. Petersburg, Russia

KOLESNICHENKO VERA¹, GRESKO IGOR² (KHARKOV & LVIV UKRAINE)

Motor control dysfunction particularly in patients with chronic low back pain and a variety of myotonic reactions (20 min.)

¹ SI "Sytenko Institute of Spine and Joint Pathology

National Academy of Medical Sciences of Ukraine", Kharkov, Ukraine

² Lviv National Medical University named after Danila Galitsky, Ukraine

KARSKI TOMASZ¹, KĘDZIERSKI ZBIGNIEW², KARSKI JACEK³, DOMAGAŁA MARIAN⁴, SŁOWINSKA BEATA², KOWALSKA MAGDALENA², BORYGA BARTOSZ² (LUBLIN, POLAND) (30 min.)

Physiotherapy of spine, hips, knees, feet, shoulders – correct, incorrect, mistakes, wrong conceptions. Examples.

¹ Vincent Pol University in Lublin, Poland

² Military Hospital in Lublin, Poland

³ Medical University in Lublin, Poland

⁴ Medical Centre in Laszczów, Poland

13.00 LUNCH

14.00–18.30 **SESSION IV**

DISORDERS OF GROWING SKELETON – ORTHOPAEDIC ANTHROPOLOGY – PATHOBIOMECHANICS – VARIA

Chairmen: ZEMKOVÁ DANIELA, KARSKI TOMASZ, KRAWCZYK PETR

ZEMKOVA DANIELA^{3,1}, MARIK IVO^{1,2,4}, PETRASOVA SARKA¹, HUDAKOVA OLGA¹ (PRAGUE & PILSEN, CZECH REPUBLIC)

Skeletal disorders with lower and higher bone density (30 min.)

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

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

³ Dept. of Paediatrics; University Hospital Motol; Prague; Czech Republic

⁴ Orthopaedic and Traumatology Department, Hospital Pribram, Czech Republic

HRUSKOVA LUCIE¹, MARIK IVO^{2,4}, MAZUROVA STELA¹, HONZIK TOMAS¹, MARTASEK PAVEL^{1,3}, MAZURA IVAN¹
(PRAGUE & PILSEN, CZECH REPUBLIC)

Recessive forms of osteogenesis imperfecta (20 min.)

¹ Department of Pediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague, Czech Republic;

² Ambulant Centre for Defects of Locomotor Apparatus I.I.c., Prague, Czech Republic;

³ Institute of Molecular Genetics of the ASCR, v. v. i, Division BIOCEV, Vestec, Czech Republic

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

MARIK IVO^{1,2,4}, ZEMKOVA DANIELA^{1,3}, MYSLIVEC RADEK^{4,1}, MARIKOVA ALENA¹, CERNY PAVEL^{5,2}, KRAWCZYK PETR⁶
(PRAGUE & PILSEN, CZECH REPUBLIC)

Functional adaptation of bones. Explanation of skeletal deformities in skeletal genetic disorders (30 min.)

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

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

³ Dept. of Paediatrics; University Hospital Motol; Prague; Czech Republic

⁴ Orthopaedic and Traumatology Department, Hospital Pribram, Czech Republic

⁵ Ortopeda I.I.c., Prague, Czech Republic

⁶ PROTEOR CZ I.I.c., Ostrava, Czech Republic

FUNDA JIRI (PRIBRAM, CZECH REPUBLIC)

Leg length discrepancy following total hip arthroplasty (20 min.)

Department of Trauma and Orthopaedic Surgery, Hospital Pribram, Czech Republic

KWIATKOWSKI MICHAL, POPKO JANUSZ (BIALYSTOK, POLAND)

Surgical treatment of flexible flatfoot in children. Early follow up study (20 min.)

Department of Pediatric Orthopaedics and Traumatology, Medical University of Bialystok, Bialystok, Poland

KARSKI JACEK¹, OKONSKI MAREK¹, JAKUBOWSKI PAWEL¹, KARSKA KLAUDIA², KANDZIERSKI GRZEGORZ¹

Indications for surgical treatment in Perthes disease. The effectiveness of different methods (20 min.)

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

16.30 COFFEE BREAK

Chairmen: ZWIPP HANS, PARIZKOVA JANA, SMRCKA VACLAV

PROFESSOR HANS ZWIPP, MD, PHD, DR.H.C.

Introduction: OLGA HUDAKOVA, MD, PHD

ZWIPP HANS (DRESDEN, GERMANY)

Fractures of the Foot and its Relevance of Foot Development in Children (30 min.)

Orthopedic and Traumatology Department of the University in Dresden, Germany

NEMEC IVO¹, SMRCKA VACLAV², MIHALJEVIC M.³, MAZANEK J.⁴, POKORNY J.⁵ (PRAGUE, CZECH REPUBLIC)

Effect of inferior alveolar nerve transection on the inorganic component of the mandible – experimental model (20 min.)

¹ *Department of Otorhinolaryngology and Maxillofacial Surgery 3rd Faculty of Medicine of Charles University in Prague & the Military University Hospital Prague, Czech Republic.*

² *Institute for History of Medicine and Foreign Languages & Department of Plastic Surgery, 1st Faculty of Medicine, Charles University in Prague, Bulovka Hospital, Czech Republic*

³ *Institute of Geochemistry, Mineralogy and Mineral Resources, Faculty of Science, Charles University in Prague, Czech Republic*

⁴ *Department of Stomatology, 1st Faculty of Medicine, Charles University in Prague and General University Hospital in Prague, Czech Republic*

⁵ *Institute of Physiology, 1st Faculty of Medicine, Charles University in Prague, Czech Republic*

ZARKOVIĆ DRAGANA¹, SORFOVA MONIKA¹, GROLEGER-SRSEN KATJA², CIKAJLO IMRE³

(PRAGUE, LJUBLJANA & SOCA, CZECH REPUBLIC & SLOVENIA)

Can we improve selective voluntary motor control in cerebral palsied children? (20 min.)

¹ *Charles University in Prague, Faculty of Physical Education and Sport, Department of Anatomy and Biomechanics, Prague, Czech Republic, University of Ljubljana, Faculty of Medicine, Slovenia*

² *University Rehabilitation Institute of Republic Slovenia - Soca, Children's rehabilitation department, Ljubljana, Slovenia*

³ *University Rehabilitation Institute of Republic Slovenia - Soca, Laboratory of clinical kinesiology, Ljubljana, Slovenia*

RYBA LUKAS¹, KOUDELA KAREL², MARIK IVO^{1,3}, RYBOVA STEPANKA¹, STASKOVA SARKA¹, VLCKOVA IVA¹ (PILSEN & PRAGUE, CZECH REPUBLIC)

Physiotherapy treatment in patient with femoroacetabular impingement – systematic review (20 min.)

¹ *Faculty of Health Care Studies, West Bohemia University; Pilsen, Czech Republic*

² *Faculty of Medicine, Charles University, Pilsen, Czech Republic*

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

PARIZKOVA JANA, SEDLAK PETR, MUSALEK M., DVORAKOVA H. (PRAGUE, CZECH REPUBLIC)

Long term changes of physical activity, motor abilities and problems, and body composition in children and adolescents (20 min.)

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

20.00 DINNER – RAUT

Restaurant Historie (Londýnská 52, Praha 2 – near Metro station I.P. Pavlova,
<http://www.restaurace-historie.cz/>

SATURDAY, SEPTEMBER 16, 2017

8.00–9.00 REGISTRATION OF PARTICIPANTS

in the Medical House, Prague (Sokolská 490/31, 120 00 Praha 2)

9.00–12.00 **SESSION V: LECTURES & POSTERS**

DISORDERS OF GROWING SKELETON – ORTHOTICS AND PROSTHETICS – BIOMECHANICS – VARIA

Chairmen: POVYSIL CTIBOR, ZEMKOVA DANIELA, KUKLIK MILOSLAV

POVYSIL CTIBOR¹, MARIK IVO^{2, 3}, ZEMKOVA DANIELA^{2, 4}, KREPELOVA ANNA⁵, KUKLIK MILOSLAV⁴, KOZLOWSKI KAZIMIERZ⁶ (PRAGUE & SYDNEY, CZECH REPUBLIC, AUSTRALIA)

Diastrophic dysplasia (20 min.)

¹ Institute of Pathology, 1st Faculty of Medicine, Charles University, Prague, Czech Republic

² Ambulant Centre for Defects of Locomotor Apparatus; Prague; Czech Republic

³ Faculty of Health Care Studies, West Bohemia University; Pilsen, Czech Republic

⁴ Dept. of Paediatrics; University Hospital Motol; Prague; Czech Republic

⁴ Genetic Dept.; Czech Republic, Prague 3; Czech Republic

⁵ Dept. of molecular genetics, Institute of biology and medical genetics, University Hospital Motol; Prague; Czech Republic

⁶ New Children Hospital, Westmead, Sydney, Australia

SMRCKA VACLAV (PRAGUE, CZECH REPUBLIC)

Challenges of biomolecular paleopathology (20 min.)

Institute for History of Medicine and Foreign Languages, Prague, Czech Republic

Chairmen: PIET J.M. VAN LOON, KRAWCZYK PETR, MARIK IVO, ARSENEV ALEKSEY

PIET J.M. VAN LOON¹, RUUD HGP VAN ERVE¹, ANDRE J GROTENHUIS², ERIC BTM THUNNISSEN³
(DEVENTER, NIJMEGEN & AMSTERDAM, NETHERLANDS)

Thoracolumbar lordotic intervention (TLI) in spinal deformities. Effective mechanical growth modulation by muscular forces induced by bracing (30 min.)

¹ Orthopedic surgeon, Care to Move, Centre for Orthopedics, Deventer, Netherlands

² Professor of neurosurgery, RadboudMC, University of Nijmegen, Netherlands

³ Pathologist, epidemiologist VUMC, Free University, Amsterdam, Netherlands

SNYTR JAN (ZRUC-SENEC, CZECH REPUBLIC)

Practical Use of Sensomotoric Insoles for Neurologic Patien (30 min.)

Ottobock CZ I.L.c., Zruc-Senec, Czech Republic

11.00 COFFEE BREAK

Chairmen: POVYSIL CTIBOR, FEJFAROVA VLADIMIRA, MARIK IVO

BEM ROBERT, FEJFAROVA VLADIMIRA (PRAGUE, CZECH REPUBLIC)

Charcot foot – the neglected complication of diabetes (20 min.)

Diabetes Centre, Institute for Clinical and Experimental Medicine, Prague, Czech Republic

FEJFAROVA VLADIMIRA (PRAGUE, CZECH REPUBLIC)

Conservative treatment of Charcot foot (20 min.)

Diabetes Centre, Institute for Clinical and Experimental Medicine, Prague, Czech Republic

NAVRATIL KAMIL (PRAGUE, CZECH REPUBLIC)

Surgical management of Charcot foot (20 min.)

Transplantation Surgery Department, Institute for Clinical and Experimental Medicine, Prague, Czech Republic

E- POSTERS

Presenter: ARSENEV ALEKSEY VALENTINOVICH, CERNY PAVEL

RYBKA DINA OLEGOVNA, DUDIN MIKHAIL GEORGIYEVICH, SHAROVA L.E. (ST. PETERSBURG, RUSSIA)

Capabilities of ultrasound diagnostics of paravertebral muscles in healthy children.

Preliminary report (5 min.)

Children's Rehabilitation Center of Orthopaedics and Traumatology "Ogonyok", St. Petersburg, Russia

NIKITINA A. A., DUDIN MIKHAIL GEORGIYEVICH (ST. PETERSBURG, RUSSIA)

Parameters of electromyogram of paravertebral muscles of healthy children from 6 to 12 years old (5 min.)

Children's Rehabilitation Center of Orthopaedics and Traumatology "Ogonyok", St. Petersburg, Russia

BAZANOVA M.V., DUDIN MIKHAIL GEORGIYEVICH, KOLOSKOVA L.E. (ST. PETERSBURG, RUSSIA)

Vitamin D 3 and VDR gene role in AIS pathogenesis within infant population. (Preliminary report) (5 min.)

Children's Rehabilitation Center of Orthopaedics and Traumatology "Ogonyok", St. Petersburg, Russia

DUDIN MIKHAIL GEORGIYEVICH, BOBER S., MAXIMOVA N., GAIDUK T., BOGDANOVA N. (ST. PETERSBURG, RUSSIA)

Selective biofeedback training of the m. transversospinalis method for AIS (5 min.)

Children's Rehabilitation Center of Orthopaedics and Traumatology "Ogonyok", St. Petersburg, Russia

ZALTSMAN P.L. (ST. PETERSBURG, RUSSIA)

Treatment of pain syndrome of vertebrogenic genesis in children and adolescents using differentiated methods of acupuncture (5 min.)

Children's Rehabilitation Center of Orthopaedics and Traumatology "Ogonyok", St. Petersburg, Russia

PAVEL CERNÝ^{1, 2}, PETR KAWCZYK^{2, 3}, IVO MARIK^{1, 4} (PILSEN & PRAGUE & OSTRAVA, CZECH REPUBLIC)

Segment modifications of corrective spinal orthoses (5 min.)

¹ Faculty of Health Studies, University of West Bohemia, Pilsen, Czech Republic

² Faculty of Physical Education and Sport, Charles University, Prague, Czech Republic

³ PROTEOR CZ I.I.c., Ostrava, Czech Republic

⁴ Ambulant Centre for Defects of Locomotor Apparatus I.I.c., Prague, Czech Republic

IVO MARIK & PETR KRAWCZYK, TOMASZ KARSKI & ARSENEV ALEKSEY VALENTINOVICH

Closing of the Symposium

Certificates

Planning of the 20th Prague-Lublin-Sydney-St. Petersburg Symposium

13.30 LUNCH

16.00 VLTAVA RIVER SIGHTSEEING CRUISE (<http://www.prague-boats.cz/>)

19.00 GALA DINNER – RESTAURANT APETIT

GOOD BYE!

NOTES FOR ALL PARTICIPANTS

Lectures and text slides will be presented in English.

Time of the individual lecture includes time for discussion.

A list of lectures/posters and chairmen of sessions can be changed!

Conference fee 50 Euros (including social programme & refreshment) by Bank Transfer

Bank: **ČSOB, Na Pankráci 310/60, 140 00 Praha 4**

Bank account: **500617613/0300**

IBAN: **CZ84 0300 0000 0005 0061 7613**

Swift Code/BIC: **CEKOCZPP**

Owner of the account: **Czech Medical Association J.E. Purkyně, Prague, CZ**

Variable symbol: **2517025** (into recipient information put on your name and surname).

Hotel accommodation is paid individually.

Abstracts of lectures will be published in the Supplement 2 of the journal *Locomotor System* 24/2017 (electronic version, ISSN 2336-4777, <http://www.pojivo.cz/cz/pohybove-ustroji/>.)

Participants will receive the Programme & Certificate of Attendance & Symposium materials.

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

www.pojivo.cz & www.pls-symposium.com

Do not hesitate address your questions to International Organizers of the Symposium:

Prof. Ivo Marik, MD, PhD & Petr Krawczyk, MD

e-mail: ambul_centrum@volny.cz & krawczyk@proteorcz.cz

Prof. Tomasz Karski, MD, PhD & Jacek Karski, MD, PhD

e-mail: tmkarski@gmail.com & jkarski@vp.pl

Prof. Mikhail Dudin, MD, PhD & Assist. Prof. Aleksey Shashko, MD

E-mail: ogonek@zdrav.spb.ru & shravan@mail.ru

Notes: an information about the Czech Police Museum is at

<http://www.prague.eu/en/object/places/544/czech-police-museum-muzeum-policie-cr>



DR. DANESOVA, PHD.

The date of birth: 6th May 1945

Education

1968: graduated at Mathematical and Physical Faculty of the Charles University in Prague (focussed on the mathematical analyses);

1968–1971: Pedagogical Assistant at the Department of Mathematics in the Faculty of Civil Engineering of the Czech Technical University in Prague;

since 1971: Assistant Professor in the Faculty of Civil Engineering of the Czech Technical University;

1977: espoused the Doctorate of Natural Sciences (RNDr.) at the Mathematical and Physical Faculty of the Charles University in Prague;

1984: espoused the PhD dissertation thesis focused on functional analyses with specialization on differential and integral equations.

Scientific activities

Co-author of a row of final research reports (the faculty research, the research for Ministry of Education, the research for Ministry of Health etc.);

since 1990 co-investigator of 4 grants and 2 scientific intentions (with main themes of mathematical applications in biomechanics).

Publications

Author and co-author of many scientific papers, specialized articles and reports. The most important work is the General theory of bone remodelling. Processes of bone remodelling were exactly expressed in this works by means of original stoichiometric equations and linear differential equations. Exactly were defined the bifurcation points. Many variations of metabolic processes begin in cortical bone by reaching of bifurcation points. The general theory of bone remodelling was the first zooming to the exact view on the remodelling processes of bone tissue. Dr. Danesova, PhD. meaningfully cooperated at priority work about exact definitions of limited cycles of functional bone stability. Exact describing of processes of thickening and thinning of bone tissue and ways of regulation of these processes, their slowing down and acceleration became worldwide famous. Her clinical verification of formation of new hyaline cartilage at the local osteochondral defects and in the long-term cooperation at the work on specification of domains of nanostructure and domains of submicrostructure of cortical femoral bone in older patients were significantly beneficial.

Dr. Danesova, PhD. has been a member of The Society for Connective Tissues Czech Medical Association J. E. Purkyne (SCT CMA JEP) from the year 2004. She helps with organization of conferences by the Society for Connective Tissues CMA JEP every year. The Society for connective tissues CMA JEP appreciates her work in the field of theoretical biomechanics and decided to award Dr. Jana Danesova, PhD. by the Diploma of Honourable Membership of the Society for Connective Tissues.

Some relevant publications

PETRTÝL M., **DANEŠOVÁ J.:** „Limitní cykly vzniku, funkční stability a zániku kostní tkáně v jejím objemovém elementu“, Osteologický bulletin, č. 4, 2000, str. 37-42;

PETRTÝL M., **DANEŠOVÁ J.:** „Obecná teorie remodelace kostní tkáně“, Pohybové ústrojí, roč. 6, č. 4, 1999, str. 30-47;

PETRTÝL M., **DANEŠOVÁ J.:** „Weakly stationary states during the bone remodelling“, Proceedings from 12th Conference of the European Society of Biomechanics“, Trinity College, Dublin, 28-30, August 2000, p.342;

PETRTÝL M., **DANEŠOVÁ J.:** „Bifurcation points in the fields of weakly steady states at bone remodelling“, Proc. from the 33rd Solid Mechanics Conference, Zakopane, Institute of fundamental technological research of Polish Academy of Sciences, 5-9 September, 2000, pp. 309;

PETRTÝL M., **DANEŠOVÁ J.:** „Principles of bone remodelling - the limit cycles of bone remodelling“, Acta of Bioengineering and Biomechanics, Vol. 3 , No.1, 2001, pp. 75-91;

PETRTÝL M., **DANEŠOVÁ J.:** „Bio-mechanochemical interactions at cellular level in cortical bone during the bone remodelling cycle“, In: Proc. from 5th International Conference on Cellular Engineering, Aachen, Germany, July 2001, pp. S12-13;

PETRTÝL M., **DANEŠOVÁ J.:** „Steady states and bifurcation points within the bone remodelling“, In: Proc. from 2nd International Symposium on Mechanics of Human Movement and Biomaterials, ISMHMB 2001, Ottawa, Ontario, Canada, pp. 18-23

PETRTÝL M., **DANEŠOVÁ J.:** „Genetic control and biomechanical control of the bone remodelling“, Sborník z konference Workshop 2000, ČVUT, Praha, str.549

PETRTÝL M., **DANEŠOVÁ J.:** „*Vnější silové a momentové účinky determinující tvar rostoucího skeletu za fyziologického a patologického stavu*“, Sborník z mezinárodní konference SKELET 2001, KU-FTVS, Praha, str. 38-41;

PETRTÝL M., **DANEŠOVÁ J.:** „*The algorithm of biomechanical properties in an unsatisfactory environment*“, In: Proc. from 2nd Intern. Seminar on ECS, International Association for Shell and Spatial Structures, Prague, May 2001, pp. 21-25.

RNDr. JANA DANESOVA, PHD.

Paní RNDr. Jana Danešová, CSc. se narodila v roce 1945 v Sychrově u Havlíčkova Brodu. V roce 1968 promovala na Matematicko-fyzikální fakultě Karlovy univerzity se zaměřením na matematickou analýzu. V letech 1968–1971 působila jako asistentka na katedře matematiky Stavební fakulty ČVUT a poté, od roku 1971, jako odborná asistentka. V roce 1977 vykonala rigorózní zkoušku na Matematicko-fyzikální fakultě Karlovy univerzity v Praze a obhájila doktorát přírodních věd- RNDr. V roce 1984 obhájila kandidátskou disertační práci se zaměřením na funkcionální analýzu se specializací na diferenciální a integrální rovnice a získala titul CSc. Po celou dobu svého působení na Českém vysokém učení technickém v Praze byla spoluautorkou řady dílčích a závěrečných výzkumných zpráv, a to nejenom fakultních, ale také resortních a ministerských výzkumných úkolů. Od roku 1990 byla spoluřešitelkou 4 grantů a dvou vědeckých záměrů, v nichž se věnovala aplikacím matematiky v biomechanice.

Její nejvýznamnější spoluautorské vědecké práce jsou:

Formulace obecné teorie remodelace kostní tkáně. V této práci byly exaktně formulovány remodelační procesy v kortikalis prostřednictvím originálních stechiometrických rovnic, následně pomocí nelineárních diferenciálních rovnic a získání bifurgačních bodů, jejichž dosažením dochází v kortikální kosti k mnoha variacím metabolických procesů. Tato obecná teorie remodelace byla prvním přiblížením k exaktnímu pohledu na remodelační procesy v kostní tkáni. Významně spolupracovala na prioritní práci o *exaktních definicích limitních cyklů funkční stability a zániku kostní tkáně v jejím objemovém elementu*. Celosvětovým přínosem byly *exaktní popisy procesů houstnutí a řidnutí kostní tkáně a způsoby regulace těchto procesů*, jejich zpomalování nebo zrychlování.

Významné jsou také její přínosy, týkající se *klinických verifikací vzniku nové (histologicky prokázané) hyalinní chrupavky u lokálních osteochondrálních defektů* a dlouholetá její spolupráce na *zpřesnění domén nanostruktur (nanofibril, nanoprutů, nanoskořepin) a domén submikrostruktur kortikální kosti femuru* u starších pacientů.

Paní doktorka je spoluautorkou a autorkou několika desítek vědeckých prací, odborných článků a zpráv.

Nejvýznamnější její publikace jsou uvedeny in English výše.

Paní RNDr. Jana Danešová je členkou Společnosti pro pojivové tkáně ČLS JEP (SPT) od jejího znovu založení v roce 2004 až do současnosti.

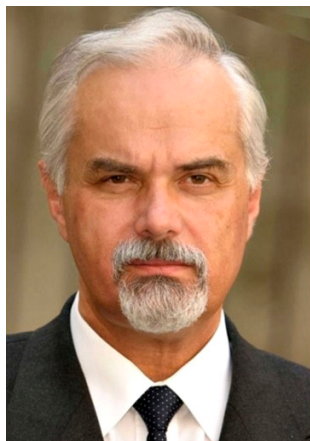
Členové výboru SPT ČLS JEP si velmi váží vědecké práce paní Dr. Danešové v oboru experimentální biomechaniky. Výbor děkuje za aktivní pomoc při organizování každoročních symposií (Kubátovy dny a Praha-Lublin-Sydney-St. Petersburg symposium) a odbornou reprezentaci

Společnosti pro pojivové tkáně ČLS JEP z.s. na těchto mezioborových akcích. Je nám ctí ocenit zásluhy paní doktorky udělením diplomu *Čestného členství ve Společnosti pro pojivové tkáně ČLS JEP*.

Jménem výboru Společnosti pro pojivové tkáně
České lékařské společnosti J. E. Purkyně

prof. MUDr. Ivo Mařík, CSc.

předseda SPT ČLS JEP z.s.



VLADIMÍR PALIČKA, MD, PHD, DR.H.C.

(Osteocentre and Institute of Clinical Biochemistry and Diagnostics Charles University, University Hospital Hradec Králové, Sokolská 581, 500 05 Hradec Králové, Czech Republic, palicka@lfhk.cuni.cz)

CURRICULUM VITAE

EDUCATION

- 1970 MD, Faculty of Medicine, Palacký University, Olomouc, CZ
- 1987 PhD, Charles University in Prague, CZ
- 1990 Associate Professor of Biochemistry
- 1999 Associate Professor of Internal Medicine
- 2001 Full Professor of Internal Medicine
- 2008 Doctor honoris causa, University of Pecs, Hungary

PROFESSIONAL CAREER

- 1984–2012 Head of the Institute for Clinical Biochemistry and Diagnostics, Charles University and University Hospital Hradec Králové
- 1995–2016 Head of the Osteocentre, University Hospital Hradec Králové
- Since 2016 Director, University Hospital Hradec Králové

EDUCATIONAL CAREER

- 2003–2010 Charles University, School of Medicine in Hradec Králové, Dean
- 2010–2017 Charles University, School of Medicine in Hradec Králové, Vice-Dean
- Since 2009 Association of Medical Schools in Europe, Executive Board Member

MEDICAL QUALIFICATIONS (Specializations)

Clinical Biochemistry
Internal Medicine
Endocrinology
Osteology

MEMBERSHIP IN MEDICAL SOCIETY

IFCC (International Federation of Clinical Chemistry and Laboratory Medicine), Former Vice-President

EFCC-FESCC (European Federation of Clinical Chemistry and Laboratory Medicine), Former President

Czech Medical Association J.E., Purkyne, Vice-President

Czech Society of Clinical Biochemistry, Honorary President

Czech Society for Metabolic Bone Diseases, President

American Association of Clinical Chemistry, Member

Scientific Committee of Ministry of Health Czech Republic, Member

Scientific Committee of the Medical Faculty, Charles University, Hradec Králové, Member

Scientific Committee of the Medical Faculty, Palacky University, Olomouc, Member

Scientific Committee of the University of Pécs, Szentagothai Research Center, Hungary, Member

Czech Society of Clinical Biochemistry, Honorary Member

Czech Society for Rheumatology, Honorary Member

Hungarian Society for Clinical Pathology, Honorary Member

Polish Society for Laboratory Diagnostics, Honorary Member

Slovak Society for Clinical Biochemistry, Honorary Member

Slovak Society for Metabolic Bone Diseases, Honorary Member

FIELDS OF SCIENTIFIC ACTIVITY

Member of many scientific committees of the International Congresses in the field of Clinical Chemistry and Clinical Osteology

Editorial Boards and Advisory Boards

Annals of Clinical Biochemistry (UK)

Biochemia Medica (Croatia)

Biomedical Papers (CZ)

Clinical Chemistry and Laboratory Medicine (Germany)

International Journal of Orthopaedics (Hong Kong) – Honorary Editor-in-Chief

Journal of Pediatric Biochemistry (Turkey)

Journal of Turgut Ozal Medical Center (Turkey)

Revista del Laboratorio Clínico (Spain)

Revista Romana de Medicina de Laborator (Rumania)

Casopis lekaru ceskych (CZ)

Klinicka biochemie a metabolismus (CZ)

Osteologicky bulletin (CZ)

Postgradualni Medicina (CZ)

Up to now published more than 500 articles and presented about 1.400 lectures and posters. Oriented mostly to the metabolic diseases, clinical biochemistry of diabetes mellitus, clinical biochemistry in intensive care and in metabolic bone diseases.

Actual H-Index = 20, Citation index (WoS) without self-citation 1.427



Professor. George P. Lyritis, MD, PhD (right) and professor Jaroslav Blahoš, MD, DSc.

PROF. GEORGE P. LYRITIS, MD, PHD

CURRICULUM VITAE

EDUCATION

- Postgradual studies in several university institutions in Great Britain
- 1973 – Doctor of Medicine, University of Athens (essay: 'Contribution on the Effect of an Anabolic Steroid on Fracture Healing of Radial Fractures of Rabbits Treated with Cortisone')
- 1988 – Associate Profesor in orthopaedics (Thesis: „The Effect of Calcitonin on the Metaphyseal Osteogenesis of Growing Rats“)
- Professor in orthopaedics and bone metabolic diseases at the Faculty of Medicine, University of Athens, Greece
- 2008 – Emeritus Professor in orthopaedics, University of Athéna

OCCUPATIONAL POSTS

- Head of the Postgraduate Course on Metabolic Bone Diseases (since 2007)
- Director of the Laboratory for the Research of Musculoskeletal System in the Faculty of Medicine, University of Athéna (KAT Hospital) (1991–2008)
- Founder and president of the Hellenic Society for the Study of Bone Metabolism (EEMMO)
- Founder and president of the Hellenic Osteoporosis Foundation (HELIOS)
- Founder (2000) and past president of the International Society of Musculoskeletal and Neuronal Interactions (ISMNI)
- Member of the Board of the International Osteoporosis Foundation (IOF)
- Member of the Committee of Scientific Advisors of IOF
- Co-editor of the Journal of Musculoskeletal and Neuronal Interactions (JMNI) since 2000
- Editor of Ostoun (Greek Journal of EEMMO) since 1990
- Member in several editorial boards of well known medical journals

PUBLICATIONS

- 25 books
- 400 articles (half in international journals)
- Over 4000 citations in literature

AWARDS IN CZECH REPUBLIC

- Honorary membership of the Czech Medical Society JEP (2010)
- Medal of the Czech Medical Society JEP (2010)
- Honorary membership of the Society for Connective Tissues, Czech Medical Association JEP (2010)



PROFFESOR DR. MED. HANS ZWIPP

CURRICULUM VITAE

Born 1st March 1949 in Neustadt (near Coburg)

- 1969 – A-levels at Martin-Butzer High School in Dierdorf in Westerwald
- Since 1971 married, father of three children.
- 1969–1975 Study of veterinary medicine, theology and human medicine in Vienna, Berlin, Bochum and Essen
- 1975 – graduated med. at Medical Faculty in Essen
- 1975–1977 – medical assitent in St. Vincenz hospital/ Bethesda in Essen
- 1978–1993 – surgery practise at Teaching Hospital in Hannover (MHH) in Lower Saxony (headed by Prof. Dr. med. H. Tscherne)
- 1982 – specialist in surgery
- 1984 – specialist in orthopaedics and traumatology
- 1984 – superintendent doctor at Trauma and Surgery Clinic in Hannover (MHH)
- 1985 – expert in trauma surgery problematics
- 1993 – specialist in urgent medicine Leitender Oberarzt der (MHH) 7/1992–9/1993.
- 1992 – 1993 – the head of Trauma and Surgery Clinic in Hannover (MHH)

- Since 1994 – Department of Trauma and Reconstruction Surgery of University Hospital „Carl Gustav Carus“ in Dresden
- 1994 – professor of surgery and reconstruction surgery
- 1995 – specialist in hand surgery
- 2007 – the head of Surgery Clinic at University Hospital „Carl Gustav Carus“ in Dresden

Research and publication activity

- Research projects (36)
- Publications (409)
- Lectures (394)
- Leadership of dissertations (30)

Honours and awards

- 1987 – Hermann – Kümmel’s Price from NWD - Surgeons
- 1988 – Hans – Liniger’s Price of German Association for Trauma Surgery (DGU)
- 1994 – founding member and the president of ESFAS (European Foot and Ankle Society), Dresden
- 1994–2006 – chairman of the board AOI for surgery of foot and ankle
- 1998/99 – president of Surgery Association in Saxony
- 1999–2001 – member of the board of German Association for Trauma Surgery
- 2000–2004 – member of consulting board of German AO
- 2002–2008 – head of Working Association for Foot of DGU
- 2003 – Honorary membership of AO Alumni Association, Chile
- 2005–2007 – member of the board of DGU
- 2006 – Commemorative Medal of 3rd Medical Faculty, Charles University, Prague
- 2011 – Honorary membership of Czech Society for Trauma Surgery



Jiří Vosátka, MD (left) and professor Ivo Marik, MD, PhD

MUDR. JIŘÍ VOSÁTKA

Udělení čestného členství v Ortopedicko-protetické společnosti ČLS JEP z.s.

Pan MUDr. Jiří Vosátka je dlouholetým členem Ortopedicko-protetické společnosti ČLS JEP. Svou činností se velmi zasloužil o rozvoj této odborné společnosti, kterou rovněž jako její předseda řadu let vedl. Významnou měrou se podílel na přípravě vzdělávání v tomto oboru. Je autorem řady publikací v odborných časopisech a kapitol v monografiích.

Členové výboru OPS ČLS JEP si velmi váží přínosné práce pana MUDr. Jiřího Vosátky. Výbor proto navrhuje ocenit zásluhy pana doktora udělením diplomu Čestného členství v Ortopedicko-protetické společnosti ČLS JEP.

CURRICULUM VITAE

Narozen 15.3.1950

Po absolvování Lékařské fakulty UK v Praze atestoval v oboru ortopedie, ve kterém získal atestaci I. a II. stupně. Více jak 30 let své odborné praxe se věnuje oboru Ortopedická protetika jak na poli klinické práce, tak také pedagogické a publikační.

Od roku 1997 řídí Oddělení Ortopedické protetiky v Praze na Roztylech.

Svůj život zasvětil pomoci těžce tělesně postiženým. Aktivně se zapojoval do organizace péče o hendikepované jako krajský i hlavní odborník ČR pro Ortopedickou protetiku. I v současné době je aktivním členem Ortopedicko-protetické společnosti ČLS JEP při diskusi nad návrhy zákonů a vyhlášek.



From right: Karel Čížek, MD, professor Ivo Marik, MD, PhD, assoc. professor Ivan Hadraba, PhD, Jiří Vosátka, MD and Aleš Mareček MD.

MUDR. KAREL ČÍŽEK

Udělení čestného členství v Ortopedicko-protetické společnosti ČLS JEP z.s.

Pan MUDr. Karel Čížek je dlouholetým členem Ortopedicko-protetické společnosti ČLS JEP. Svou činností se velmi zasloužil o rozvoj naší odborné společnosti, kterou rovněž jako její předseda řadu let řídil. Významnou měrou se podílel na přípravě vzdělávacího programu pro obor Ortopedická protetika. Je autorem řady publikací v odborných časopisech.

Členové výboru OPS ČLS JEP si velmi váží přínosné práce pana MUDr. Karla Čížka. Výbor proto navrhuje ocenit zásluhy pana doktora udělením diplomu Čestného členství v Ortopedicko-protetické společnosti ČLS JEP.

CURRICULUM VITAE

Narozen 18. srpna 1948 v Českých Budějovicích.

1. LF Univerzity Karlovy v Praze, absolvoval v roce 1974. V průběhu let atestoval v oborech Ortopedie a Ortopedická protetika. Od roku 1994 působí v Centru ortopedické protetiky v Českých Budějovicích a jako primář na Protetickém oddělení v Nemocnici České Budějovice.

A LIST OF SPEAKERS AND CO-AUTHORS OF PAPERS

Arsenev Aleksey Valentinovich, MD, PhD (*St. Petersburg, Russia*)
Balik Karel, Eng, PhD (*Prague, Czech Republic*)
Baloshin Yuriy Aleksandrovich, Professor, Eng, DSc. (*St. Petersburg, Russia*)
Bayer Milan, Professor, MD, PhD (*Prague, Czech Republic*)
Bazanova Marina, MD (*St. Petersburg, Russia*)
Bem Robert, MD, PhD (*Czech Republic*)
Blahos Jaroslav, Professor, MD, DSc (*Prague, Czech Republic*)
Boryga Bartosz, MD (*Lublin, Poland*)
Bober Stepan, MD (*St. Petersburg, Russia*)
Bogdanova N., MD (*St. Petersburg, Russia*)
Braun Martin, Dr, PhD (*Prague, Czech Republic*)
Buzga Marek, MSc, PhD (*Ostrava, Czech Republic*)
Cerny Pavel, Eng, PhD (*Prague, Czech Republic*)
Cikajlo Imre, MD (*Ljubljana, Slovenia*)
Culik Jan, Professor, Eng, DSc (*Prague, Czech Republic*)
Czaprowski Darius, MSc, PhD (*Olsztyn, Poland*)
Domagala Marian, MD (*Laszczów, Poland*)
Dniprovska Alyona (*Vinnitsa, Ukraine*)
Dudin Mikhail Georgiyevich, Professor, MD, DSc (*St. Petersburg, Russia*)
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