



Church on the water  
in Zwierzyniec

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

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

**invite you for**

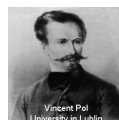
## **THE 18<sup>TH</sup> PRAGUE-LUBLIN-SYDNEY-ST. PETERSBURG SYMPOSIUM CONGENITAL AND ACQUIRED DISORDERS OF GROWING SKELETON**

The Symposium will be held under the auspices of

**Professor Tomasz Karski, MD, PhD**

Emeritus chief of the Pediatric Orthopedic and Rehabilitation Department of Medical University in Lublin, Poland

The Symposium will be held in Zwierzyniec (guest house "Zacisze"), District Zamość, Poland, 21<sup>st</sup>–25<sup>th</sup> September 2016



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# **SYMPOSIUM PROGRAMME**

## **WEDNESDAY, SEPTEMBER 21, 2016**

Arrival to Zwierzyniec (Address: guest house "Zacisze" Rudka Street 5B).

Zwierzyniec is placed 25 km to the west from Zamość, 18 km easterly to Biłgoraj or 100 km to the south of Lublin

19.30 CELEBRATING SUPPER

## **THURSDAY, SEPTEMBER 22, 2016**

7.30 – 8.30 BREAKFAST

9.00 REGISTRATION OF PARTICIPANTS

Note: Symposium fee is 50 Euros - it contains all social and leisure activities

10.00 OPENING OF THE SYMPOSIUM

WELCOME SPEECHES

PROFESSOR TOMASZ KARSKI

PROFESSOR MIKHAIL DUDIN

PROFESSOR IVO MARIK

MGR JAN SKIBA – MAYOR OF TOWN ZWIERZYNIEC: HISTORY OF THE TOWN

MUSIC TEAM FROM ZWIERZYNIEC

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11.00 – 14.00 SESSIONS I

## **SPINE DISORDERS – PATHOGENESIS, DIAGNOSIS AND TREATMENT**

**Chairmen:** KARSKI TOMASZ, DUDIN MIKHAIL, MARIK IVO

DUDIN MIKHAIL GEORGIYEVICH, KHAIMINA TATIANA VLADIMIROVNA, AVALIANI TATIANA VARLAAMOVNA, PINCHUK DMITRY YURYEVICH (ST. PETERSBURG, RUSSIA)

### **The role of factors of pose asymmetry in the process of transition of a healthy spine into a scoliotic one**

*Children's Rehabilitation Center of Orthopaedics and Traumatology «Ogonyok», St. Petersburg, Russia*

DUDIN MIKHAIL GEORGIYEVICH (ST. PETERSBURG, RUSSIA)

### **Ideology of conservative treatment of AIS in Children's Rehabilitation Center of Orthopaedics and Traumatology "Ogonyok"**

*Children's Rehabilitation Center of Orthopaedics and Traumatology «Ogonyok», St. Petersburg, Russia*

## **COFFEE BREAK**

DUDIN MIKHAIL GEORGIYEVICH (ST. PETERSBURG, RUSSIA)

### **Prevention of AIS as a pathological 3D deformation of the spine.**

*Children's Rehabilitation Center of Orthopaedics and Traumatology «Ogonyok», St. Petersburg, Russia*

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

### **Ultrasound of paravertebral muscles in adolescent idiopathic scoliosis (AIS)**

*Children's Rehabilitation Center of Orthopaedics and Traumatology «Ogonyok», St. Petersburg, Russia*

CERNY PAVEL<sup>1,2)</sup>, STOLINSKI LUKASZ<sup>3,4,5)</sup>, DRNKOVA JANA<sup>2)</sup>, CZAPROWSKI DARIUS<sup>7)</sup>, KOSTEAS, ANDREAS<sup>2)</sup>, MARIK IVO<sup>1,6)</sup> (PRAGUE, CZECH REPUBLIC)

### **Skeletal Deformities Measurements of X-ray Images and Photos on the Computer**

<sup>1)</sup> Faculty of Health Care Studies, West Bohemia University, Pilsen, Czech Republic

<sup>2)</sup> ORTOTIKA, I.L.C., Prague, Czech Republic

<sup>3)</sup> Rehasport Clinic, Poznan, Poland

<sup>4)</sup> Spine Disorders and Pediatric Orthopedics Department, University of Medical Sciences, Poznan, Poland

<sup>5)</sup> The Institute fighting with pain, Rehasport Clinic Licensed Rehabilitation Center, Skierniewice, Poland

<sup>6)</sup> Ambulant Centre for Defects of Locomotor Apparatus I.L.C., Prague, Czech Republic

<sup>7)</sup> Department of Physiotherapy, Józef Rusiecki University College, Olsztyn, Poland

## **FAMILY PHOTO OF PARTICIPANTS**

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14.00 LUNCH BREAK

15.00–18.00 SESSION II

## **SPINE DISORDERS – PATHOGENESIS, DIAGNOSIS AND TREATMENT – VARIA**

**Chairmen:** KARSKI JACEK, KOLESNICHENKO VERA, ZEMKOVA DANIELA

JUNG MICHAEL<sup>1)</sup>, LANDENBERGER M<sup>2)</sup>, JUNG T<sup>3)</sup>, LINDENTHAL T<sup>4)</sup>, PHILIPPI<sup>5)</sup> (FRANKFURT (MAIN), GERMANY)

**Infantile postural asymmetry and physical therapy – a randomized controlled trial**

<sup>1)</sup> Carl Remigius Medical School, Frankfurt (Main), Germany

<sup>2)</sup> Medical Faculties, Martin Luther University Halle-Wittenberg, Germany

<sup>3)</sup> Johannes Gutenberg University Mainz, Germany

<sup>4)</sup> Clementine Children`s Hospital Frankfurt (Main), Germany

<sup>5)</sup> Center of Developmental Neurology Frankfurt (Main), Germany

KOLESNICHENKO VERA ANATOLYEVNA, LITVINENKO KONSTANTIN NIKOLAYEVICH /KHARKOV, UKRAINE/

**Mechanisms of regulation of vertical posture in asymptomatic volunteers and in patients with lumbar disc degeneration disease**

SI "Sytenko Institute of Spine and Joint Pathology National Academy of Medical Sciences of Ukraine", Kharkov, Ukraine

COFFEE BREAK

**Chairmen:** KARSKI JACEK, PAŘÍZKOVÁ JANA, KARSKI TOMASZ

KARSKI JACEK<sup>1)</sup>, KARSKI TOMASZ<sup>2)</sup> (LUBLIN, POLAND)

**Knee problems connected with incorrect seating position. A case report**

<sup>1)</sup> Pediatric Orthopedic and Rehabilitation Department of Medical University in Lublin

<sup>2)</sup> Vincent Pol University in Lublin, Poland

KARSKI TOMASZ<sup>1)</sup>, KARSKI JACEK<sup>2)</sup> (LUBLIN, POLAND)

**Talo-crural joint (ankle joint) insufficiency and pain in the left leg of drivers – and in the right leg of the passengers. A case report**

<sup>1)</sup> Vincent Pol University in Lublin, Poland

<sup>2)</sup> Pediatric Orthopedic and Rehabilitation Department of Medical University in Lublin

KARSKI JACEK<sup>1)</sup>, KARSKI TOMASZ<sup>2)</sup> (LUBLIN, POLAND)

**Deformations of the feet, knees, hips, and pelvis in children with Minimal Brain Dysfunction (MBD). Causes. Treatment. Prophylactics.**

<sup>1)</sup> Pediatric Orthopedic and Rehabilitation Department of Medical University in Lublin

<sup>2)</sup> Vincent Pol University in Lublin, Poland

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DOMAGAŁA MARIAN<sup>1)</sup>, KARSKI TOMASZ<sup>2)</sup>, KARSKI JACEK<sup>3)</sup>, ŻAROFFE BERNARD<sup>1)</sup>, STOKOWSKA-WOJDA MAŁGORZATA<sup>1)</sup>,  
KOWALSKA MAGDALENA<sup>1)</sup> (ŁASZCZÓW & LUBLIN, POLAND)

**Status of locomotors system in the patients from the villages region from south east region of Poland**

<sup>1)</sup> Medical Center in Łaszczów (Director of Center Dr Marian Domagała), Poland

<sup>2)</sup> Vincent Pol University in Lublin, Poland

<sup>3)</sup> Pediatric Orthopedic and Rehabilitation Department of Medical University in Lublin

KĘDZIEŃSKI ZBIGNIEW, KARSKI TOMASZ, SŁOWIŃSKA BEATA, KOWALSKA AGATA, BORYGA BARTOSZ (LUBLIN, POLAND)

**Health condition of the population of Poland: a study based on the example of orthopedic patients attending the Rehabilitation Out-Patients Department of the Military Hospital in Lublin in years 2013–2015**

<sup>1st</sup> Clinical Military Hospital and Policlinic in Lublin, Poland

19.00 – SUPPER

## **FRIDAY, SEPTEMBER 23, 2016**

7.30–8.30 BREAKFAST

9.00–14.00 SESSION III:

### **DISORDERS OF GROWING SKELETON – ORTHOPAEDIC ANTHROPOLOGY – BIOMECHANICS – VARIA**

**Chairmen:** ZEMKOVA DANIELA, KARSKI JACEK, MARIK IVO

MARIK IVO

**65<sup>th</sup> anniversary of RNDr. Daniela Zemkova, PhD**

ZEMKOVÁ DANIELA<sup>3,1)</sup>, MYSLIVEC RADEK<sup>4,1)</sup>, PETRASOVA SARKA<sup>1)</sup>, VALESOVA MONIKA<sup>2)</sup>, FIRYTOVA RITA<sup>2)</sup>,  
MARIK IVO<sup>2,1)</sup> (PRAGUE & PILSEN, CZECH REPUBLIC)

**Drilling epiphyseodesis as a method of choice for knee deformity and lower limb discrepancy correction – long term results**

<sup>1)</sup> Ambulant Centre for Defects of Locomotor Apparatus; Prague; Czech Republic

<sup>2)</sup> Faculty of Health Care Studies, West Bohemia University; Pilsen, Czech Republic

<sup>3)</sup> Dept. of Paediatrics; University Hospital Motol; Prague; Czech Republic

<sup>4)</sup> Orthopaedic and Traumatology Department, Hospital Píbram, Czech Republic

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PETRASOVA SARKA<sup>1)</sup>, ZEMKOVA DANIELA<sup>1,3)</sup>, MYSLIVEC RADEK<sup>4,1)</sup>, MARIK IVO<sup>2,1)</sup> (PRAGUE & PILSEN, CZECH REPUBLIC)  
**Hemi-epiphysiodesis as a suitable method also for crura vara in achondroplasia and hypochondroplasia**

<sup>1)</sup> Ambulant Centre for Defects of Locomotor Apparatus; Prague; Czech Republic

<sup>2)</sup> Dept. of Paediatrics; University Hospital Motol; Prague; Czech Republic

<sup>3)</sup> Orthopaedic and Traumatology Department, Hospital Pribram, Czech Republic

<sup>4)</sup> Faculty of Health Care Studies, West Bohemia University; Pilsen, Czech Republic

MARIK IVO<sup>1,2)</sup>, MYSLIVEC RADEK<sup>4,1)</sup>, PETRASOVA SARKA<sup>1)</sup>, MARIKOVA ALENA<sup>1)</sup>, ZEMKOVA DANIELA<sup>3,1)</sup> (PRAGUE & PILSEN, CZECH REPUBLIC)

**Partial and total epiphysiodesis as a part of reconstructive surgery in severe limb deformities**

<sup>1)</sup> Ambulant Centre for Defects of Locomotor Apparatus; Prague; Czech Republic

<sup>2)</sup> Faculty of Health Care Studies, West Bohemia University; Pilsen, Czech Republic

<sup>3)</sup> Dept. of Paediatrics; University Hospital Motol; Prague; Czech Republic

<sup>4)</sup> Orthopaedic and Traumatology Department, Hospital Pribram, Czech Republic

ZEMKOVÁ DANIELA<sup>3,1)</sup>, MARIKOVA ALENA<sup>1)</sup>, MARIK IVO<sup>2,1)</sup>, (PRAGUE & PILSEN, CZECH REPUBLIC)

**Drilling epiphysiodesis as a method of choice for bilateral leg overgrowth: a case report**

<sup>1)</sup> Ambulant Centre for Defects of Locomotor Apparatus; Prague; Czech Republic

<sup>2)</sup> Faculty of Health Care Studies, West Bohemia University; Pilsen, Czech Republic

<sup>3)</sup> Dept. of Paediatrics; University Hospital Motol; Prague; Czech Republic

COFFEE BREAK

**Chairmen:** ALAMELDIN MOHAMED, KUKLIK MILOSLAV, SAKALOUSKI ALEH

ALAM ELDIN MOHAMED (SOHAG, EGYPT)

**Long term functional outcome and complication of using liquid nitrogen freezing for reconstruction of lower limb osteosarcoma in children**

Sohag Faculty of Medicine, Sohag, Egypt

BELETSKI ALEKSANDR, SHPILEUSKI IHAR, SAKALOUSKI ALEH (MINSK, BELARUS)

**Surgical Treatment of Intraosseous Benign Bone Neoplasms of the Extremities in Children and Adolescents**

Belarusian Research Center of Traumatology and Orthopedics, Minsk, Belarus

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KUKLIK MILOSLAV<sup>4)</sup>, MARIK IVO<sup>1,2)</sup>, ZEMKOVA DANIELA<sup>2,3)</sup>, KREPELOVÁ ANNA<sup>5)</sup>, KOZLOWSKI KAZIMIERZ<sup>6)</sup>,  
POVYSIL CTIBOR<sup>7)</sup> (PRAGUE, CZECH REPUBLIC)

**Diastrophic dysplasia: review and a case report**

<sup>1)</sup> Ambulant Centre for Defects of Locomotor Apparatus; Prague; Czech Republic

<sup>2)</sup> Faculty of Health Care Studies, West Bohemia University; Pilsen, Czech Republic

<sup>3)</sup> Dept. of Paediatrics; University Hospital Motol; Prague; Czech Republic

<sup>4)</sup> Genetic Dept.; Czech Republic, Prague 3; Czech Republic

<sup>5)</sup> Dept. of molecular genetics, Institute of biology and medical genetics, University Hospital Motol; Prague; Czech Republic

<sup>6)</sup> New Children Hospital, Westmead, Sydney

<sup>7)</sup> Institute of Pathology, 1<sup>st</sup> Faculty of Medicine, Charles University, Prague, Czech Republic

KWIATKOWSKI M<sup>1)</sup>, GUSZCZYN T<sup>1)</sup>, MAKSIMOWICZ M<sup>1)</sup>, MILEWSKI R<sup>2)</sup>, POPKO J<sup>1)</sup> (BIALYSTOK, POLAND)

**Evaluation of patients with idiopathic scoliosis treated with thoracolumbar brace**

<sup>1)</sup> Department of Paediatric Orthopaedics and Traumatology, Białystok, Poland.

<sup>2)</sup> Department of Statistics and Medical Informatics, Białystok, Poland.

SAKALOUSKI ALEH (MINSK, BELARUS)

**Results of Triple Pelvic Osteotomy in Children with Perthes Disease**

State Institution "Republican Scientific and Practical Centre of Traumatology and Orthopedics", Minsk, Belarus

14.00 LUNCH BREAK

15.00–17.00 SESSION IV

**DISORDERS OF GROWING SKELETON – SURGERY OF CHILDREN  
HIPS – ORTHOPAEDIC ORTHOTISTS – BIOMECHANICS**

**Chairmen: SAKALOUSKI ALEH, KRAWCZYK PETR, KARSKI TOMASZ**

KRAWCZYK PETR (OSTRAVA, CZECH REPUBLIC)

**Indications of trunk and extremity orthoses in clinical practice**

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

KRAWCZYK PETR (OSTRAVA, CZECH REPUBLIC)

**Indications of lower and upper limb prostheses**

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

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SAKALOUSKI ALEH (MINSK, BELARUS)

**Long-term Results of Posterior Femoral Rotational Osteotomy at Children with DDH**

*State Institution "Republican Scientific and Practical Centre of Traumatology and Orthopedics", Minsk, Belarus*

SAKALOUSKI ALEH (MINSK, BELARUS)

**Results of Posterior Rotational Femur Osteotomy in Children with Postseptic Hip Deformity**

*State Institution "Republican Scientific and Practical Centre of Traumatology and Orthopedics", Minsk, Belarus*

## **POSTERS – VARIA**

PETRYL MIROSLAV<sup>1)</sup>, BALIK KAREL<sup>2)</sup>, POVYSIL CTIBOR<sup>3)</sup>, ZALOUDKOVA MARGIT<sup>2)</sup> (PRAGUE, CZECH REPUBLIC)

**Submicrostructural domains of the human femoral compact bone**

<sup>1)</sup> Czech Technical University, FCE, Department of Mechanics, Laboratory of Biomechanics and Biomaterial Engineering, Prague, Czech Republic

<sup>2)</sup> Dept. of Composites and Carbon Materials, Institute of Rock Structure and Mechanics, Academy of Sciences of the Czech Republic, Prague, Czech Republic

<sup>3)</sup> Institute of Pathology, 1<sup>st</sup> Faculty of Medicine, Charles University, Prague, Czech Republic

ARSENEV ALEKSEY VALENTINOVICH<sup>1)</sup>, BALOSHIN YURIY ALEKSANDROVICH<sup>3)</sup>, VASILEVICH SERGEYVIKTOROVICH<sup>3)</sup>,  
DUDIN MIKHAIL GEORGIYEVICH<sup>1)</sup>, KIPKE M.V.<sup>2)</sup>, SOROKIN A.A.<sup>2)</sup>, SUKHOV T.M.<sup>2)</sup>, SUKHOVA M.A.<sup>3)</sup>  
(ST. PETERSBURG, RUSSIA)

**Hardware-software method for postural abnormalities and spine deformities diagnosis based on digital PHOTO analysis**

<sup>1)</sup> SFHI Children's Rehabilitation Center of Orthopaedics and Traumatology „Ogonek“

<sup>2)</sup> FSBEI HE Baltic State Technical University „Voenmeh“ Named after D.F. Ustinov

<sup>3)</sup> LLC „Smart-Orto“, St. Petersburg, Russia

17.00–18.30 SOCIAL PROGRAM: NATURE MUSEUM IN ZWIERZYNIEC. BUS TRANSPORT.

19.00 SUPPER (AS CONTINUATION – GRILL WITH BEER, MUSIC TEAM FROM ZWIERZYNIEC)

FAMILY PHOTO OF PARTICIPANTS

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## SATURDAY, SEPTEMBER 24, 2016

7.30–8.30 BREAKFAST

9.00–11.00 SESSION V:

### DISORDERS OF GROWING SKELETON – VARIA

**Chairmen:** ZEMKOVA DANIELA, PARIZKOVÁ JANA, KARSKI JANUSZ

ZEMKOVÁ DANIELA (PRAGUE, CZECH REPUBLIC)

**Orthopaedic anthropology: Why we walk or why we use bipedal locomotion**

<sup>1)</sup> Dept. of Paediatrics; University Hospital Motol; Prague; Czech Republic

<sup>2)</sup> Ambulant Centre for Defects of Locomotor Apparatus; Prague; Czech Republic

PARIZKOVA JANA

**Problems of pain of locomotor system in the obese**

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

KARSKI TOMASZ<sup>1)</sup>, KARSKI JACEK<sup>2)</sup>, KARSKI JANUSZ<sup>3)</sup>, KULKA MAŁGORZATA<sup>4)</sup> (LUBLIN, POLAND)

**Problem of the feet. Flexions test in diagnosis of “the sensible and painful foot”.**

**Physiotherapy. Prophylaxis**

<sup>1)</sup> Vincent Pol University in Lublin, Poland

<sup>2)</sup> Pediatric Orthopedic and Rehabilitation Department of Medical University in Lublin

<sup>3)</sup> Children Sanatorium in Krasnobród / Orthopedic Rehabilitation Ward

<sup>4)</sup> Neurology Department of Medical University in Lublin

KARSKI TOMASZ, KARSKI JANUSZ, ŻURAKOWSKI WOJCIECH /KRASNOBRÓD, POLAND/

**„History of Sanatorium, under the name of Dr Janusz Korczak, in Krasnobród”**

*Children Sanatorium in Krasnobród / Orthopedic Rehabilitation Ward*

IVO MARIK & PETR KRAWCZYK, TOMASZ KARSKI & MIKHAIL DUDIN

**Closing of the Symposium**

**Certificates**

**Planning of the 19<sup>th</sup> Prague-Lublin-Sydney-St. Petersburg Symposium**

COFFEE BREAK

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11.30–14.00 SOCIAL PROGRAM: TRIP TO ZAMOŚĆ (CALLED IN ITALIAN: PADOVA DEL NORDE) – BUS TRANSPORT FROM GUEST HOUSE “ZACISZE”

14.30 LUNCH IN ZAMOŚĆ OR IN KRASNOBRÓD

14.30 or 15.30–19.00 VISITING OF CHILDREN REHABILITATION SANATORIUM UNDER THE NAME OF DR JANUSZ KORCZAK IN KRASNOBRÓD. BUS TRANSPORT TO KRASNOBRÓD AND BACK TO ZWIERZYNIEC.

20.00 CELEBRATING SUPPER IN GUEST HOUSE “ZACISZE” IN ZWIERZYNIEC

## **SUNDAY, SEPTEMBER 25, 2016**

7.30–8.30 CELEBRATORY BREAKFAST

**GOOD BYE!**

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## NOTES FOR ALL PARTICIPANTS

Lectures and text slides will be presented in English. Time of the individual lectures is **about 20 min, discussion 5 min**. A list of lectures (posters) and chairmen of sessions can be changed!

**Conference fee 50 Euros (it contains social programme & refreshment) 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 3-4/2016 (<http://www.pojivo.cz/en/newsletter>).

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

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

**Jacek Karski MD PhD.**

Lublin, Poland, E-mail: [jkarski@vp.pl](mailto:jkarski@vp.pl)

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

e-mail: [tmkarski@gmail.com](mailto:tmkarski@gmail.com) & [jkarski@vp.pl](mailto:jkarski@vp.pl)

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

e-mail: [ambul\\_centrum@volny.cz](mailto:ambul_centrum@volny.cz) & [krawczyk@proteorcz.cz](mailto:krawczyk@proteorcz.cz)

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

E-mail: [ogonek@zdrav.spb.ru](mailto:ogonek@zdrav.spb.ru) & [shravan@mail.ru](mailto:shravan@mail.ru)

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**THE ORGANIZERS ARE GRATEFUL  
FOR THE SUPPORT OF THE SYMPOSIUM**

Partners of the Symposium

**Medical Institution / MUSI Lublin Sp. z o.o.**

20-143 Lublin, ul. Magnoliowa 2



**Waldemar Gajor**

Regionalny Kierownik Sprzedaży

**P.F LEK-AM SP. Z O.O.**

tel 662 036 783

e-mail: waldemargajor@lekam.pl

**Przedsiębiorstwo Farmaceutyczne LEK-AM Sp. z o.o.**

ul. Ostrzykowizna 14 A, 05-170 Zakroczym

NIP: 531-14-95-443

**ottobock.**

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