PART I: PAEDIATRIC ORTHOPAEDICS BASIC I

18-20 October 2017
Orthopaedic Hospital Speising, Vienna-Austria

Development, Bone Metabolism and Related Disorders
The Orthopaedic Medical History and Clinical Examination
Paediatric Foot Disorders
Paediatric Hip Disorders
Limb Length Discrepancy
Lower Limb Deformity

Theoretical Lectures
Controversial Issues
Techniques in Paediatric Orthopaedics
Case Discussions
Workshops
WELCOME MESSAGE

Dear Colleagues,

It is a pleasure to invite you to the 5th EPOS-EFORT BAT Instructional Course Trilogy, an integral part of the EPOS Educational Programme. The EPOS Educational Committee has set up the “BAT (Basic, Advanced & Traumatology) Educational Programme”. The programme meets the requirements set by the European Federation of National Associations of Orthopaedics and Traumatology (EFORT) and European Board of Orthopaedics and Traumatology (EBOT). Three consecutive courses including two basics and one trauma cover the core curriculum education in Children’s Orthopaedics. Twelve courses were held between May 2011 and March 2017 and 211 physicians from 35 countries completed the core curriculum education in Children’s Orthopaedics by attending three consecutive courses.

The course is aimed at residents who want to improve their knowledge in Children’s Orthopaedics and also general Orthopaedic Surgeons, particularly young ones, who want to refresh their knowledge. The scientific content should encourage a greater understanding of Children’s Orthopaedics via a problem-solving approach to the diagnosis and management of orthopaedic conditions in children informed by relevant research evidence. Teaching faculties are composed of internationally recognized experts in Children’s Orthopaedics from all over Europe.

The first part of the fifth BAT course trilogy is the “Paediatric Orthopaedics Basic I Course” and includes theoretical lectures, debates, techniques in paediatric orthopaedics, case discussions and workshops concerning development, bone metabolism and related disorders, the orthopaedic medical history and clinical examination, foot disorders, hip disorders, limb length discrepancy and lower limb deformity in children.

Treatment innovations are often as a result of collaboration between clinicians and industry and our industry partners contribute significantly to the educational content of these courses.

We invite orthopaedic surgeons and residents to the Orthopaedic Hospital Speising in Vienna in October 2017. We will do our utmost to meet and exceed your expectations.

Yours,

Rudolf Ganger
Local Host

Hakan Ömeroğlu
EPOS Educational Committee Chairman

Darko Anticevic
EPOS President 2017/2018
Development, Bone Metabolism and Related Disorders
The Orthopaedic Medical History and Clinical Examination
Paediatric Foot Disorders
Paediatric Hip Disorders
Limb Length Discrepancy
Lower Limb Deformity

Theoretical Lectures
Controversial Issues
Techniques in Paediatric Orthopaedics
Case Discussions
Workshops

Course Scientific Committee
Darko Anticevic, EPOS President 2017/2018, EPOS Educational Committee Member
Hakan Ömeroglu, Course Program Coordinator, EPOS Educational Committee Chairman, EPOS Executive Committee Member
Rudolf Ganger, Local Host, EPOS Educational Committee Member, EPOS Lower Limb Study Group Chairman
Federico Canavese, EPOS Educational Committee Vice-Chairman, EPOS Website Committee Chairman
Pierre Lascombes, EPOS Past President, EPOS Foundation President, EPOS Educational Committee Member
Dror Ovadia, EPOS Treasurer, EPOS Educational Committee Member
Ralph Sakkers, EPOS Educational Committee Member, EPOS Metabolics and Genetics Study Group Chairman
Bart Kowalczyk, EPOS Educational Committee Member

Course Faculty
Cristina Alves Coimbra Pediatric Hospital, Coimbra / Portugal
Antonio Andreacchio Regina Margherita Children’s Hospital, Turin / Italy
Darko Anticevic Zagreb University Zagreb Children’s Hospital, Zagreb / Croatia
Stephanie Böhm Karolinska Institute, Stockholm / Sweden
Federico Canavese Estaing University Hospital, Clermont-Ferrand / France
Jaroslaw Czubak Gruca Teaching Hospital, Otwock / Poland
Rudolf Ganger Orthopaedic Hospital Speising, Vienna / Austria
Pierre Lascombes Geneva University Hospital, Geneva / Switzerland
Hakan Ömeroglu TOBB Economy and Technology University Hospital, Ankara / Turkey
Dmitry Popkov Russian Ilizarov Scientific Center, Kurgan / Russian Federation
Christof Radler Orthopaedic Hospital Speising, Vienna / Austria
Andreas Roposch Great Ormond Street Hospital for Children, London / UK
Ralph Sakkers Utrecht University Medical Center, Utrecht / The Netherlands
# 17 October 2017 Tuesday

16:00-18:00 Registration (Orthopaedic Hospital Speising)

---

# 18 October 2017 Wednesday

07:00-18:00 Registration

**08:00-08:10 Opening and Welcome**  
H.Ömeroglu, R.Ganger, D.Anticevic

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 08:10 | Development, Bone Metabolism, The Orthopaedic Medical History & Clinical Examination  
P.Lascombes |
| 08:10 | Synopsis of intrauterine development of the musculoskeletal system  
H.Ömeroglu |
| 08:25 | Bone metabolism  
R.Sakkers |
| 08:35 | Developmental milestones  
D.Anticevic |
| 08:45 | Key points in orthopaedic medical history of a paediatric patient  
F.Canavese |
| 08:55 | Key points in orthopaedic clinical examination of a paediatric patient  
R.Sakkers |
| 09:10 | Discussion |

**09:25 Workshop Rotation System-1**

---

10:40 Break

**11:00** Bone Disorders  
A.Roposch

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 11:00 | Common metabolic disorders  
R.Sakkers |
| 11:10 | Common skeletal dysplasias  
D.Anticevic |
| 11:20 | Common syndromes of orthopaedic importance  
C.Alves |
| 11:30 | Discussion |

11:45 Paediatric Foot Disorders / Evaluation, Postural Deformities, Osteochondroses  
J.Czubak

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 11:45 | Clinical & radiological evaluation, flexible pes planus, accessory bones  
S.Böhm |
| 12:00 | Postural foot deformities of newborns  
C.Radler |
| 12:10 | Osteochondroses of the foot  
A.Andreacchio |
| 12:20 | Discussion |

12:35 Lunch

**13:30** Paediatric Foot Disorders / Club Foot  
R.Ganger

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 13:30 | Etiology, pathologic anatomy, classifications  
C.Alves |
| 13:30 | Non-operative treatment; Ponseti method  
S.Böhm |
| 13:45 | Non-operative treatment; French method  
F.Canavese |
| 13:50 | Treatment principles of relapsed and neglected cases; From casting to bony surgery  
C.Radler |
| 14:10 | Discussion |

14:25 Workshop Rotation System-2

15:40 Break

**16:00** Paediatric Foot Disorders / Other  
D.Popkov

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 16:00 | Vertical talus and tarsal coalition  
C.Radler |
| 16:15 | Pes cavus  
S.Böhm |
| 16:25 | Toe deformities  
A.Andreacchio |
| 16:35 | Discussion |

16:50 Case Presentations by the Participants (Foot Disorders)  
S.Böhm

17:30 End of the Day

20:00 Course Dinner
19 October 2017 Thursday

08:00  Paediatric Hip Disorders / Examination  C.Radler
08:00  Clinical examination; From birth to adolescence  A.Andreacchio
08:10  Imaging of the paediatric hip; Plain radiography, CT, MRI  A.Roposch
08:20  Imaging of the paediatric hip; Ultrasonography  H.Ömeroglu
08:30  Newborn hip screening  R.Sakkers
08:40  Discussion

08:55  Workshop Rotation System-3

10:10  Break

10:30  Paediatric Hip Disorders / DDH-1  D.Anticevic
10:30  Epidemiology, pathophysiology  C.Alves
10:40  Treatment: Bracing  H.Ömeroglu
10:50  Treatment: Closed reduction & casting  C.Alves
11:00  Treatment: Open reduction  A.Roposch
11:10  Discussion

11:25  Paediatric Hip Disorders / DDH-2  C.Alves
11:25  Treatment: Pelvic and femoral osteotomies  A.Roposch
11:40  Treatment principles of hip dysplasia in adolescents and young adults  J.Czubak
11:50  Complications  A.Roposch
12:00  Discussion

12:15  Lunch

13:15  Paediatric Hip Disorders / LCPD  H.Ömeroglu
13:15  Aetiology, pathophysiology, diagnosis, classification  D.Anticevic
13:30  Prognosis and treatment incl. sequelae  F.Canavese
13:45  Controversial Issue; Containment therapy in LCPD
      Non-surgical  F.Canavese
      Surgical  D.Anticevic
13:55  Discussion

14:10  Workshop Rotation System-4

15:15  Paediatric Hip Disorders / SCFE  F.Canavese
15:45  Aetiology, pathophysiology, diagnosis, classification  P.Lascombes
16:00  Prognosis and treatment incl. sequelae  J.Czubak
16:15  Controversial Issue; Acute unstable mild/moderate SCFE
      Fix in situ  A.Andreacchio
      Reduce it first then fix  J.Czubak
16:25  Discussion

16:40  Case Presentations by the Participants (Hip Disorders)  A.Roposch
17:20  Genu Varum and Genu Valgum  D.Popkov
17:20  Aetiology and diagnosis  P.Lascombes
17:30  Treatment  R.Ganger
17:45  Discussion

18:00  End of the Day
20 October 2017 Friday

08:00  Torsional Deformities & Limb Length Discrepancy  A. Andreacchio
08:00  Common causes of in-toeing, out-toeing  F. Canavese
08:10  Etiology of limb length discrepancy  R. Ganger
08:20  Growth prediction & deformity analysis  P. Lascombes
08:35  Guided growth  P. Lascombes
08:45  Discussion

09:00  Workshop Rotation System-5

10:15  Break

10:35  Limb Lengthening  R. Sakkers
10:35  Principles of callus distraction  D. Popkov
10:45  Lower limb lengthening by intramedullary nailing  R. Ganger
11:00  Lower limb lengthening by external fixator  D. Popkov
11:15  Discussion

11:30  Case Presentations by the Participants (Limb Lengthening and Deformity Correction)  R. Ganger

12:10  Lunch

12:50  Workshop Rotation System-6

14:05  Take Home Messages & Trilogy Diplomas & Closing Remarks

14:30  End of the Course

Workshop Rotation System:

Station 1: Locking hip plate (Orthopediatrics)  J. Czubak, F. Canavese
Station 2: 8 plate insertion & pin in situ in SCFE (Orthopediatrics)  D. Anticevic, R. Sakkers
Station 3: Lengthening and deformity correction (Smith & Nephew)  R. Ganger, C. Radler
Station 4: Lengthening and deformity correction (Orthofix)  P. Lascombes, D. Popkov
Station 5: Ponseti casting technique in clubfoot (C-Prodirect)  S. Böhm, A. Andreacchio
Station 6: Research methods  A. Roposch, C. Alves

Course Venue:
Orthopaedic Hospital Speising,
Prof. Spitzy-Auditorium,
Speisinger Strasse 109,
1130 Vienna, Austria

• The programme is subject to change.
• The number of participants is limited to 150. Registration process will be handled in “first-come, first-served” rule.
• All registered participants are asked to bring their original cases for presentation in the recommended format.
• Please note that attendees are responsible for making their own travel and accommodation arrangements.
• An electronic course syllabus including the abstracts of the lectures will be sent to the registered attendees prior to the course by e-mail.

Course Language: English

Registration Fees:

<table>
<thead>
<tr>
<th></th>
<th>Early Bird (Until August 31\textsuperscript{st})</th>
<th>Late (September 1\textsuperscript{st}-October 16\textsuperscript{th})</th>
<th>Onsite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participants</td>
<td>EUR 400</td>
<td>EUR 425</td>
<td>EUR 450</td>
</tr>
<tr>
<td>EPOS Members</td>
<td>EUR 300</td>
<td>EUR 325</td>
<td>EUR 350</td>
</tr>
<tr>
<td>Residents</td>
<td>EUR 250</td>
<td>EUR 275</td>
<td>EUR 300</td>
</tr>
</tbody>
</table>

Course Dinner:
EUR 35

Please follow the EPOS website (www.epos.org) for further information.