7th EPOS BAT Instructional Course
Vienna, Austria: 12-14 October 2022

Trilogy Course
Part I - Paediatric Orthopaedics Basic I

Highlights
- Development and growth
- Bone Metabolism
- Clinical Examination
- Genetic Diseases
- Hip Disorders
- Foot Disorders
- Lower Limb Deformity
- Limb Length Discrepancy

Methods of education
- Theoretical Lectures
- Controversial Issues
- Techniques in Paediatric Orthopaedics
- Expert Lecture
- Case Discussions
- Workshops

info www.epos.org/education
Dear Colleagues,

BAT is BACK! It is a pleasure to invite you to join the 7th EPOS BAT Instructional Course Trilogy part I, an integral part of the EPOS Educational Program.

As a result of the COVID pandemic, face-to-face activities have been suspended. Nevertheless, EPOS was able to continue its teaching mission with a comprehensive online training program, and was able to close the 6th BAT Trilogy in June 2021.

The time has now come to resume the presential activities, and the 7th EPOS BAT Instructional Course Trilogy is the ideal event!

The EPOS Educational Committee has set up the “BAT (Basic, Advanced & Traumatology) Educational Program”. The program 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 educational events including two basic and one trauma courses cover the core curriculum education in Children’s Orthopaedics. Sixteen courses were held between May 2011 and October 2019 and more than 400 physicians from over 40 countries completed the core curriculum education in Children’s Orthopaedics by attending three consecutive courses.

The course is aimed at residents and fellows who want to improve their knowledge in Children’s Orthopaedics and also general Orthopaedic Surgeons 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 7th 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 and growth, 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.

EPOS and the EPOS Educational Committee are proud to invite residents, fellows and orthopedic surgeons to the Orthopaedic Hospital Speising in Vienna in October 2022! We will do our utmost to meet and exceed your expectations!

Yours,

Rudolf Ganger
Local Host

Sebastian Farr
EPOS Educational Committee Chairman 2022-2025

Ignacio Sanpera
EPOS President 2022-2023
<table>
<thead>
<tr>
<th>Schedule</th>
<th>Topic</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:00</td>
<td>Registration</td>
<td></td>
</tr>
<tr>
<td>08:00</td>
<td>Opening and welcome</td>
<td>S. Farr, R. Ganger</td>
</tr>
<tr>
<td></td>
<td><strong>Development, Bone Metabolism, The Orthopaedic Medical History &amp; Clinical Examination</strong></td>
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<tr>
<td></td>
<td>Moderator: V. Kenis</td>
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<tr>
<td>08:10</td>
<td>Synopsis of intrauterine development of the musculoskeletal system</td>
<td>C. Alves</td>
</tr>
<tr>
<td>08:20</td>
<td>Bone metabolism</td>
<td>R. Sakkers</td>
</tr>
<tr>
<td>08:30</td>
<td>Key points in orthopaedic medical history of a paediatric patient</td>
<td>S. Böhm</td>
</tr>
<tr>
<td>08:40</td>
<td>Developmental milestones</td>
<td>M. Salom</td>
</tr>
<tr>
<td>08:50</td>
<td>Key points in orthopaedic clinical examination of a paediatric patient &amp; how to deal with families</td>
<td>A. Andreacchio</td>
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<tr>
<td>09:00</td>
<td>Discussion</td>
<td></td>
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<tr>
<td>09:15</td>
<td>Workshop Rotation System 1</td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Paediatric Foot Disorders / Evaluation, Postural Deformities, Osteochondroses</strong></td>
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<tr>
<td></td>
<td>Moderator: M. Salom</td>
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<tr>
<td>10:50</td>
<td>Normal foot growth</td>
<td>R. Pospischill</td>
</tr>
<tr>
<td>11:00</td>
<td>Clinical evaluation &amp; radiological assessment</td>
<td>C. Alves</td>
</tr>
<tr>
<td>11:10</td>
<td>Postural foot deformities of newborns</td>
<td>C. Radler</td>
</tr>
<tr>
<td>11:20</td>
<td>Flexible pes planus, accessory bones</td>
<td>S. Böhm</td>
</tr>
<tr>
<td>11:30</td>
<td>Osteochondroses of the foot</td>
<td>A. Andreacchio</td>
</tr>
<tr>
<td>11:40</td>
<td>Discussion</td>
<td></td>
</tr>
</tbody>
</table>
# Program

**Wednesday 12 October**

## Paediatric Foot Disorders / Club Foot

**Moderator:** C. Radler

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:50</td>
<td>Aetiology, pathologic anatomy, classifications</td>
<td>B. Kowalczyk</td>
</tr>
<tr>
<td>12:00</td>
<td>Non-operative treatment; Ponseti method</td>
<td>S. Böhm</td>
</tr>
<tr>
<td>12:15</td>
<td>Long-term outcome of Ponseti method: what is the evidence from the literature?</td>
<td>M. Salom</td>
</tr>
<tr>
<td>12:25</td>
<td>Atypical clubfoot: problems and challenges</td>
<td>C. Alves</td>
</tr>
<tr>
<td>12:35</td>
<td>Treatment principles of relapsed and neglected cases; from casting to bony surgery</td>
<td>C. Radler</td>
</tr>
<tr>
<td>12:55</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>13:10</td>
<td>Lunch</td>
<td></td>
</tr>
</tbody>
</table>

## Paediatric Foot Disorders / Other

**Moderator:** J. Horn

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td>Vertical talus and tarsal coalition</td>
<td>C. Radler</td>
</tr>
<tr>
<td>14:15</td>
<td>Pes cavus</td>
<td>S. Böhm</td>
</tr>
<tr>
<td>14:30</td>
<td>Toe deformities</td>
<td>A. Andreacchio</td>
</tr>
<tr>
<td>14:40</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>14:55</td>
<td>Workshop Rotation System-2</td>
<td></td>
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<tr>
<td>15:50</td>
<td>Break</td>
<td></td>
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</table>

## Bone Disorders

**Moderator:** D. Popkov

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:10</td>
<td>Clinical appearance of common metabolic disorders</td>
<td>R. Sakkers</td>
</tr>
<tr>
<td>16:20</td>
<td>How to recognize something is wrong? Common skeletal dysplasias</td>
<td>V. Kenis</td>
</tr>
<tr>
<td>16:30</td>
<td>Common syndromes of orthopaedic importance</td>
<td>J. Horn</td>
</tr>
<tr>
<td>16:40</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>16:50</td>
<td>Case Presentations by the participants (Foot Disorders)</td>
<td>S. Böhm</td>
</tr>
<tr>
<td>17:50</td>
<td>End of the day</td>
<td></td>
</tr>
<tr>
<td>20:00</td>
<td>Course dinner</td>
<td></td>
</tr>
</tbody>
</table>
## Paediatric Hip Disorders / Examination

**Moderator:** C. Alves

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00</td>
<td>Clinical examination: from birth to adolescence</td>
<td>V. Kenis</td>
</tr>
<tr>
<td>08:10</td>
<td>Imaging of the paediatric hip: plain radiographs,</td>
<td>R. Pospischill</td>
</tr>
<tr>
<td></td>
<td>CT, MRI</td>
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<tr>
<td>08:20</td>
<td>Imaging of the paediatric hip: ultrasonography</td>
<td>M. Salom</td>
</tr>
<tr>
<td>08:30</td>
<td>Newborn hip screening</td>
<td>R. Sakkers</td>
</tr>
<tr>
<td>08:40</td>
<td>Discussion</td>
<td></td>
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<tr>
<td>08:55</td>
<td>Workshop Rotation System-3</td>
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<tr>
<td>10:10</td>
<td>Break</td>
<td></td>
</tr>
</tbody>
</table>

## Paediatric Hip Disorders / DDH-1

**Moderator:** R. Sakkers

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30</td>
<td>Epidemiology and pathophysiology</td>
<td>R. Sakkers</td>
</tr>
<tr>
<td>10:40</td>
<td>Treatment: bracing &amp; splinting</td>
<td>B. Kowalczyk</td>
</tr>
<tr>
<td>10:50</td>
<td>Treatment: closed reduction &amp; casting</td>
<td>F. Canavese</td>
</tr>
<tr>
<td>11:00</td>
<td>Treatment: open reduction</td>
<td>T. Wirth</td>
</tr>
<tr>
<td>11:10</td>
<td>Discussion</td>
<td></td>
</tr>
</tbody>
</table>

## Paediatric Hip Disorders / DDH-2

**Moderator:** T. Wirth

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:25</td>
<td>Treatment: pelvic and femoral osteotomies</td>
<td>T. Wirth</td>
</tr>
<tr>
<td>11:40</td>
<td>Treatment principles of hip dysplasia in adolescents</td>
<td>R. Pospischill</td>
</tr>
<tr>
<td></td>
<td>and young adults</td>
<td></td>
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<tr>
<td>11:50</td>
<td>Complications: from AVN to redislocation. Is it</td>
<td>B. Kowalczyk</td>
</tr>
<tr>
<td></td>
<td>possible to avoid them?</td>
<td></td>
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<tr>
<td>12:00</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Schedule Topic</td>
<td>Topic</td>
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<tr>
<td>12:15</td>
<td>Aetiology, pathophysiology, diagnosis,</td>
<td>Paediatric Hip Disorders / LCPD</td>
</tr>
<tr>
<td></td>
<td>classification</td>
<td>Moderator: B. Kowalczyk</td>
</tr>
<tr>
<td>12:30</td>
<td>Prognosis and treatment including sequelae</td>
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<tr>
<td>12:45</td>
<td>Containment strategies in LCPD: Clinical case 1</td>
<td>Non-operative management: when and how</td>
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<tr>
<td>12:50</td>
<td>Containment strategies in LCPD: Clinical case 2</td>
<td>Surgery: femur</td>
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<tr>
<td>12:55</td>
<td>Containment strategies in LCPD: Clinical case 3</td>
<td>Surgery: pelvis</td>
</tr>
<tr>
<td>13:00</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>13:10</td>
<td>Lunch</td>
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<tr>
<td>14:00</td>
<td>Aetiology, pathophysiology, diagnosis,</td>
<td>Paediatric Hip Disorders / SCFE</td>
</tr>
<tr>
<td></td>
<td>classification</td>
<td>Moderator: R. Pospischill</td>
</tr>
<tr>
<td>14:15</td>
<td>Prognosis and treatment including sequelae</td>
<td></td>
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<tr>
<td>14:30</td>
<td>Acute unstable mild/moderate SCFE: clinical case 1</td>
<td>Fixation is situ: indications, outcome and complications</td>
</tr>
<tr>
<td>14:35</td>
<td>Acute unstable mild/moderate SCFE: clinical case 2</td>
<td>Reduction first, then fixation: indications, outcome and complications</td>
</tr>
<tr>
<td>14:40</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>14:55</td>
<td>Workshop Rotation System-4</td>
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</tr>
<tr>
<td>16:00</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>16:15</td>
<td>Case Presentations by the participants (Hip Disorders)</td>
<td></td>
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<tr>
<td>17:15</td>
<td>Expert Lecture: “Growth in Pediatric Orthopedics”</td>
<td></td>
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<tr>
<td>18:05</td>
<td>End of the day</td>
<td></td>
</tr>
<tr>
<td>Schedule</td>
<td>Topic</td>
<td>Faculty</td>
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<tr>
<td><strong>Torsional Deformities &amp; Limb Length Discrepancy</strong>&lt;br&gt;Moderator: A. Andreacchio</td>
<td>08:00</td>
<td>Common causes of in-toeing, out-toeing&lt;br&gt;F. Canavese</td>
</tr>
<tr>
<td>08:10</td>
<td>Etiology of limb length discrepancy&lt;br&gt;D. Popkov</td>
<td></td>
</tr>
<tr>
<td>08:20</td>
<td>Growth prediction &amp; deformity analysis&lt;br&gt;R. Ganger</td>
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<tr>
<td>08:35</td>
<td>Guided growth&lt;br&gt;J. Horn</td>
<td></td>
</tr>
<tr>
<td>08:45</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td><strong>Genu Varum and Genu Valgum</strong>&lt;br&gt;Moderator: S. Böhm</td>
<td>08:55</td>
<td>Aetiology and diagnosis&lt;br&gt;V. Kenis</td>
</tr>
<tr>
<td>09:05</td>
<td>Treatment&lt;br&gt;R. Ganger</td>
<td></td>
</tr>
<tr>
<td>09:20</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>09:35</td>
<td>Workshop Rotation System-5</td>
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<tr>
<td>10:35</td>
<td>Break</td>
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</tr>
<tr>
<td><strong>Limb Lengthening</strong>&lt;br&gt;Moderator: R. Ganger</td>
<td>10:50</td>
<td>Principles of callus distraction&lt;br&gt;J. Horn</td>
</tr>
<tr>
<td>11:00</td>
<td>Lower limb lengthening by external fixator&lt;br&gt;D. Popkov</td>
<td></td>
</tr>
<tr>
<td>11:15</td>
<td>Lower limb lengthening by intramedullary nailing&lt;br&gt;C. Radler</td>
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<tr>
<td>11:30</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>11:40</td>
<td>Case Presentations by the participants&lt;br&gt;(Limb Lengthening and Deformity Correction)&lt;br&gt;C. Radler</td>
<td></td>
</tr>
<tr>
<td>12:40</td>
<td>Take Home Messages &amp; Trilogy Diplomas&lt;br&gt;S. Farr, F. Canavese</td>
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<tr>
<td>13:05</td>
<td>End of the course</td>
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</tbody>
</table>
General information

• 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.

Future Courses

EPOS Advanced Course
Pediatrics Hand and Upper Extremity Surgery
Vienna, Austria | 25-26 November 2022

EPOS Advanced Course
Lower Limb Deformity Course
Vienna, Austria | 27-28 January 2023

7th EPOS BAT INSTRUCTIONAL COURSE TRILOGY
Part II
15-17 March 2023

7th EPOS BAT INSTRUCTIONAL COURSE TRILOGY
Part III
October 2023
Information

Course language
English – no translation

CME Credits
20 European CME credits (ECMEC®s) have been accredited for the course. Please note that each medical specialist should claim only those credits that he/she actually spent in the educational activity.

Opening hours
Tuesday, 11 October 16:00-18:00
Wednesday, 12 October 07:00-18:00
Thursday, 13 October 07:00-18:30
Friday, 14 October 07:45-13:15

Contact
EPOS Central Office
courses@epos.org

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

Orthopädisches Spital Speising
Wien

Course fees (incl. 10% VAT)

Early registration* (valid until Sunday 18th of September)
Participants
EUR 500.00
EPOS members**
EUR 400.00
Residents**
EUR 350.00

Late registration fees (no onsite registration possibility and valid as of Monday 19th of September)
Participants
EUR 550.00
EPOS members**
EUR 450.00
Residents**
EUR 400.00

Course dinner:
EUR 40.00

* The early registration fee is only when the payment is made before the early registration deadline
** Proof of status mandatory

Registration fees include
• Participation to all course educational activities;
• Course syllabus;
• Lunches & Coffee breaks.

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EPOS members**
EUR 450.00
Residents**
EUR 400.00

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** Proof of status mandatory

Registration fees include
• Participation to all course educational activities;
• Course syllabus;
• Lunches & Coffee breaks.
Faculty

Course Faculty

Antonio Andreacchio, Milan, Italy
Cristina Alves, Coimbra, Portugal
Stephanie Böhm, Stockholm, Sweden
Federico Canavese, Lille, France
Alain Dimeglio, Montpellier, France
Rudolf Ganger, Vienna, Austria
Joachim Horn, Oslo, Norway
Vladimir Kenis, Saint-Petersburg, Russia
Bartlomiej Kowalczyk, Krakow, Poland
Dmitry Popkov, Belgrade, Serbia
Renata Pospischill, Vienna, Austria
Christof Radler, Vienna, Austria
Ralph Sakkers, Utrecht, Netherlands
Marta Salom, Valencia, Spain
Thomas Wirth, Stuttgart, Germany

Scientific Committee

Sebastian Farr  Course Program Chair
Ignacio Sanpera  EPOS Educational Committee Chairman
Rudolf Ganger  Local Host

Workshop Rotation System**

| Station 1 | Locking hip plate  
(OrthoPediatrics) | R. Pospischill, R. Ganger, T. Wirth |
|-----------|-------------------|----------------------------------|
| Station 2 | Deformity and Lengthening  
(OrthoPediatrics) | J. Horn, C. Radler, R. Sakkers, D. Popkov |
| Station 3 | Ponseti casting in clubfoot  
(MD Orthopaedics) | S. Böhm, A. Andreacchio, V. Kenis, B. Kowalczyk |
| Station 4 | Research methods  
| C. Alves, F. Canavese, M. Salom |

*To be confirmed. Workshops schedule/tutors may change

Official industry supporters of the course are:

OrthoPediatrics
IPSEN
MD Orthopaedics

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