Paediatrics: Basic Course I

- Growth, development, bone metabolism
- The orthopaedic history and clinical examination
- Hip and foot disorders
- Limb length discrepancy and lower limb deformity correction

- Workshops
- Case discussions
- Cross-fire discussions
- Meet-the-masters sessions

info www.efort.org/events/bat1-2014
Dear Colleagues,

It is a pleasure to invite you to the 3rd EPOS-EFORT BAT trilogy, an integral part of the EPOS BAT Educational Programme. 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.

The EPOS Educational Committee has set up the “EPOS BAT (Basic, Advanced & Traumatology) Educational Programme”. The programme meets the requirements set by the European Board of Orthopaedics and Traumatology (EBOT) and covers the core curriculum in Children's Orthopaedics.

This Basic Course I includes theoretical sessions concerning skeletal growth, development, bone metabolism, the orthopaedic history and clinical examination, paediatric hip and foot disorders, limb length discrepancy and lower limb deformity correction using educational techniques such as: cross-fire discussions, meet-the-masters sessions, workshops and case presentations by the participants and Faculty members.

Treatment innovations result of collaboration between clinicians and industry partners which significantly contribute here to the educational content.

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

Yours,

Rudolf Ganger
Pierre Lascombes
Stephen R. Cannon

Host / Local Chair
EPOS President 2014/2015
EFORT President 2014/2015
## Programme
### Wednesday 24 September

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Topic</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30</td>
<td>Registration</td>
<td></td>
</tr>
<tr>
<td>8:00</td>
<td>Opening and welcome BAT Programme</td>
<td>P. Lascombes B. Møller-Madsen</td>
</tr>
<tr>
<td>8:15</td>
<td>Biology of skeletal growth</td>
<td>B. Møller-Madsen</td>
</tr>
<tr>
<td>8:30</td>
<td>Bone metabolism</td>
<td>R. Sakkers</td>
</tr>
<tr>
<td>8:40</td>
<td>The orthopaedic history</td>
<td>C. Radler</td>
</tr>
<tr>
<td>8:50</td>
<td>Developmental milestones</td>
<td>D. Anticevic</td>
</tr>
<tr>
<td>9:00</td>
<td>The orthopaedic clinical examination</td>
<td>R. Sakkers</td>
</tr>
<tr>
<td>9:20</td>
<td>Metabolic bone disorders</td>
<td>D. Anticevic</td>
</tr>
<tr>
<td>9:30</td>
<td>Disorders of growth and development</td>
<td>R. Sakkers</td>
</tr>
<tr>
<td>9:45</td>
<td>Discussion</td>
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</tbody>
</table>

## Growth, Development, Bone Metabolism, The Orthopaedic History & Clinical Examination
Moderator: Bjarne Møller-Madsen

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Topic</th>
<th>Faculty</th>
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</thead>
<tbody>
<tr>
<td>10:00</td>
<td>Parallel Workshop Sessions – Rotation system 1</td>
<td></td>
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<tr>
<td>11:00</td>
<td>Coffee break</td>
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</tbody>
</table>

## Meet-the-Masters
Moderator: Rudolf Ganger

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Topic</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:30</td>
<td>What have I learnt over time about DDH management?</td>
<td>F. Grill</td>
</tr>
<tr>
<td>11:45</td>
<td>Questions &amp; answers</td>
<td></td>
</tr>
<tr>
<td>12:15</td>
<td>Parallel Workshop Sessions – Rotation system 2</td>
<td></td>
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<tr>
<td>13:15</td>
<td>Lunch</td>
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</tbody>
</table>

## Paediatric foot disorders I
Moderator: Christof Radler

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Topic</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:15</td>
<td>Normal foot growth, clinical &amp; radiological evaluation, normal variations</td>
<td>S. Böhm</td>
</tr>
<tr>
<td>14:30</td>
<td>Postural deformities incl. metatarsus adductus &amp; calcaneovalgus</td>
<td>D. Anticevic</td>
</tr>
<tr>
<td>14:40</td>
<td>Osteochondroses incl. Kohler, Freiberg and Sever</td>
<td>A. Andreacchio</td>
</tr>
<tr>
<td>14:50</td>
<td>Club foot: Aetiology, pathologic anatomy, classification, non-operative treatment</td>
<td>S. Böhm</td>
</tr>
</tbody>
</table>
Programme
Wednesday 24 September

Schedule | Topic | Faculty
---|---|---
15:15 | Club foot: Treatment of relapsed cases incl. soft tissue and bone surgery | C. Radler
15:35 | Vertical talus | C. Radler
15:45 | Discussion |
16:00 | Coffee break |
16:30 | Research Methods Workshop | A. Roposch
18:00 | End of the day |

Thursday 25 September

Paediatric Foot Disorders II
Moderator: Stephanie Böhm

8:00 | Flexible pes planus | A. Andreacchio
8:10 | Tarsal coalition | B. Møller-Madsen
8:20 | Pes cavus | B. Møller-Madsen
8:35 | Toe deformities incl. hallux valgus | A. Andreacchio
8:50 | Discussion |
9:00 | Parallel Workshop Sessions – Rotation system 3 |
10:00 | Coffee break |
10:30 | Case Presentations by Participants | R. Krauspe

Hip Growth & Examination
Moderator: Andreas Roposch

11:30 | Normal hip growth and anatomy | B. Møller-Madsen
11:40 | Clinical examination | A. Andreacchio
11:50 | Radiological examination incl. plain radiography, sonography, arthrography, CT/MRI | R. Krauspe
12:10 | Hip screening | N. M. P. Clarke
12:20 | Discussion |
12:30 | Lunch |
## Programme

**Thursday 25 September**

### Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Paediatric Hip Disorders I</strong></td>
<td></td>
</tr>
<tr>
<td>13:30</td>
<td>DDH: Aetiology, epidemiology, pathophysiology</td>
<td>M. Ramachandran</td>
</tr>
<tr>
<td>13:45</td>
<td>DDH: Treatment before walking age</td>
<td>N. M. P. Clarke</td>
</tr>
<tr>
<td>14:00</td>
<td>DDH: Treatment after walking age</td>
<td>M. Ramachandran</td>
</tr>
<tr>
<td>14:15</td>
<td>AVN of femoral head</td>
<td>H. Ömeroglu</td>
</tr>
<tr>
<td>14:25</td>
<td>Treatment of hip dysplasia in adolescents and young adults</td>
<td>R. Krauspe</td>
</tr>
<tr>
<td>14:40</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>14:55</td>
<td>Coffee break</td>
<td></td>
</tr>
<tr>
<td>15:25</td>
<td><strong>Case Presentations by Participants</strong></td>
<td>H. Ömeroglu</td>
</tr>
<tr>
<td>16:10</td>
<td><strong>Parallel Workshop Sessions – Rotation system 4</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Refresh Your Knowledge on Infantile Hip USG</strong></td>
<td></td>
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<tr>
<td>17:10</td>
<td>Hip USG by the Graf method</td>
<td>H. Ömeroglu</td>
</tr>
<tr>
<td>17:30</td>
<td>Real time hip USG</td>
<td>N. M. P. Clarke</td>
</tr>
<tr>
<td>17:50</td>
<td>Discussion</td>
<td></td>
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<tr>
<td>18:00</td>
<td>End of the day</td>
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<tr>
<td>19:30</td>
<td>Course Dinner</td>
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### Friday 26 September

### Paediatric Hip Disorders II

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00</td>
<td>SCFE: Aetiology, pathophysiology, diagnosis, classification</td>
<td>M. Ramachandran</td>
</tr>
<tr>
<td>8:15</td>
<td>SCFE: Prognosis and treatment incl. sequelae</td>
<td>R. Krauspe</td>
</tr>
<tr>
<td>8:30</td>
<td>Discussion</td>
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</tbody>
</table>
# Programme

**Friday 26 September**

## Schedule

### Paediatric Hip Disorders III

**Moderator:** Darko Anticevic

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
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</thead>
<tbody>
<tr>
<td>8:40</td>
<td>LCPD: Aetiology, pathophysiology, diagnosis, classification</td>
<td>D. Anticevic</td>
</tr>
<tr>
<td>8:55</td>
<td>LCPD: Prognosis and treatment incl. sequelae</td>
<td>M. Ramachandran</td>
</tr>
<tr>
<td>9:10</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>9:20</td>
<td><strong>Parallel Workshop Sessions – Rotation system 5</strong></td>
<td></td>
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<tr>
<td>10:20</td>
<td>Coffee break</td>
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## Cross-Fire Discussions

**Moderator:** Pierre Lascombes

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:50</td>
<td>Duration of orthosis use following casting with the Ponseti method in club foot</td>
<td>C. Radler</td>
</tr>
<tr>
<td></td>
<td>- Up to 2/3 years of age</td>
<td>S. Böhm</td>
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<tr>
<td></td>
<td>- Up to 5 years of age</td>
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## Torsional Deformities & Limb Length Discrepancy

**Moderator:** Rudolf Ganger

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:50</td>
<td>Normal lower extremity alignment, in-toeing, out-toeing</td>
<td>R. Ganger</td>
</tr>
<tr>
<td>11:05</td>
<td>Etiology of limb length discrepancy</td>
<td>R. Ganger</td>
</tr>
<tr>
<td>11:15</td>
<td>Growth prediction &amp; deformity analysis</td>
<td>P. Lascombes</td>
</tr>
<tr>
<td>11:40</td>
<td>Discussion</td>
<td></td>
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</tbody>
</table>

12:05  Closed / open reduction in DDH

- Reduce the hip after the ossific nucleus appears  N. M. P. Clarke
- No need for delaying the reduction  A. Roposch

12:20  Acute moderate SCFE

- Fix in situ  A. Andreacchio
- Reduce it first then fix  M. Ramachandran

Discussion
<table>
<thead>
<tr>
<th>Schedule</th>
<th>Topic</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cross-Fire Discussions</strong></td>
<td></td>
<td></td>
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<tr>
<td>Moderator: Pierre Lascombes</td>
<td></td>
<td></td>
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<tr>
<td>12:35</td>
<td>Lower limb lengthening in childhood</td>
<td></td>
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<tr>
<td>- Better with im motorized nail</td>
<td>S. Böhm</td>
<td></td>
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<tr>
<td>- Better with external fixator</td>
<td>R. Ganger</td>
<td></td>
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<tr>
<td>Discussion</td>
<td></td>
<td></td>
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<tr>
<td>12:50</td>
<td>Lunch</td>
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<tr>
<td><strong>Limb Lengthening</strong></td>
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<tr>
<td>Moderator: Ralph Sakkers</td>
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<tr>
<td>13:50</td>
<td>Principles of callus distraction</td>
<td>P. Lascombes</td>
</tr>
<tr>
<td>14:00</td>
<td>Femoral lengthening: indications, methods, complications</td>
<td>R. Ganger</td>
</tr>
<tr>
<td>14:20</td>
<td>Tibial lengthening: indications, methods, complications</td>
<td>P. Lascombes</td>
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<tr>
<td>14:40</td>
<td>Discussion</td>
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<tr>
<td><strong>Genu Varum and Genu Valgum</strong></td>
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<tr>
<td>Moderator: Antonio Andreacchio</td>
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<tr>
<td>14:50</td>
<td>Aetiology and Diagnosis</td>
<td>A. Andreacchio</td>
</tr>
<tr>
<td>15:00</td>
<td>Treatment</td>
<td>R. Ganger</td>
</tr>
<tr>
<td>15:15</td>
<td>Discussion</td>
<td></td>
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<tr>
<td>15:25</td>
<td>Closing Remarks &amp; Course Certificates</td>
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<tr>
<td>16:00</td>
<td>End of the course</td>
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<tr>
<td><strong>Paralel Workshop Sessions – Rotation system</strong></td>
<td></td>
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<tr>
<td>Tibial lengthening and deformity correction by TSF</td>
<td></td>
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<tr>
<td>Locking hip plate</td>
<td></td>
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<tr>
<td>8 plate insertion &amp; Cannulated screws on a SCFE model</td>
<td></td>
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<tr>
<td>Club foot Ponseti method and vertical talus reverse Ponseti method models</td>
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<tr>
<td>Case presentations by the Faculty</td>
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</tr>
</tbody>
</table>

Participants are asked to send their cases to be discussed by the Faculty and the audience during the course. For guidelines and presentation template contact us at: education@efort.org
Faculty of Honor:
Franz Grill, Austria

Faculty:
Antonio Andreacchio, Italy
Darko Anticevic, Croatia
Stephanie Böhm, Sweden
Nicholas M.P. Clarke, UK
Rudolf Ganger, Austria
Rüdiger Krauspe, Germany
Pierre Lascombes, Switzerland
Bjarne Møller-Madsen, Denmark
Hakan Ömeroglu, Turkey
Christof Radler, Austria
Manoj Ramachandran, UK
Andreas Roposch, UK
Ralph Sakkers, Netherlands

Scientific committee
Stephen R. Cannon, UK
Pierre Lascombes, Switzerland
Hakan Ömeroglu, Turkey
Rudolf Ganger, Austria
Course fees

Participants EUR 350.00
EPOS members* EUR 275.00
Residents* EUR 250.00

Dinner EUR 30.00

Late registration fees (10–23 September)
Participants EUR 375.00
EPOS members* EUR 300.00
Residents* EUR 275.00

On-site registration fees
Participants EUR 400.00
EPOS members* EUR 325.00
Residents* EUR 300.00

*Proof of status mandatory

Course language
English – no translation

Credits
17 CME credits

Opening hours
Wednesday, 24 Sept. 07:30-18:00
Thursday, 25 Sept. 08:00-18:00
Friday, 26 Sept. 08:00-16:00

Contact
EFOERT Head Office
education@efort.org
+41 (0) 21 343 44 00

Venue
Orthopaedic Hospital Speising
Speisinger Strasse 109
1130 Vienna
Austria

Auditorium: Prof. Spitzy-Auditorium

info www.efort.org/events/bat1-2014
EFORT ATP

EFORT Advanced Training Programme 2013

EFORT IC Lausanne, 28–29 November 2014
Hallux valgus, ankle arthrosis, managing complications

EFORT IC Paris, 28–30 January 2015
Selected Flaps for reconstruction of the Limbs

3rd EPOS-EFORT BAT IC Vienna, 11–13 March 2015
Paediatrics: Trauma

EFORT ExMEx Ljubljana, 23–24 April 2015
Lower extremity fractures: Updates and problems

3rd EPOS-EFORT BAT IC Vienna, 07–09 October 2015
Paediatrics: Basic II

More details on: www.efort.org/training

Save the date!

34nd Annual Meeting of EPOS: 15–18 April 2015
Marseille, France

Prague, Czech Republic

info www.efort.org/training