Characteristics of Fractures in Children
Initial Assessment of an Injured Child
Principles of Fracture Management in Children
Upper Extremity Fractures
Lower Extremity Fractures
Intraarticular Knee Injuries

Theoretical Lectures
Controversial issues
Techniques in Paediatric Orthopaedics
Case discussions
Workshops

Scientific Committee
Manuel Cassiano Neves, EPOS President, EFORT Past President
Bjarne Møller-Madsen, EPOS Past President, EFORT Speciality Society Standing Committee Chairman
Hakan Ömeroglu, Course Program Coordinator, EPOS Educational Committee Chairman, EPOS Executive Board Member
Rudolf Ganger, Local Host, EPOS Educational Committee Member

Course Faculty
Franck Accadbled  Toulouse University Center Hospital, Toulouse / France
Cristina Alves  Coimbra Pediatric Hospital, Coimbra / Portugal
Federico Canavese  Estaing University Hospital, Clermont-Ferrand / France
Manuel Cassiano Neves  Hospital CUF Descobertas, Lisbon / Portugal
Rudolf Ganger  Orthopaedic Hospital Speising, Vienna / Austria
Yoram Hemo  Dana Children’s Hospital, Tel Aviv / Israel
Muharrem Inan  Istanbul University Cerrahpasa Hospital, Istanbul / Turkey
Pierre Journeau  Nancy University Center Hospital, Nancy / France
Bjarne Møller-Madsen  Aarhus University Hospital, Aarhus / Denmark
Hakan Ömeroglu  Eskisehir Osmangazi University Hospital, Eskisehir / Turkey
Thomas Wirth  Olga Hospital, Stuttgart / Germany
WELCOME MESSAGE

Dear Colleagues,

It is a pleasure to invite you to the 4\textsuperscript{th} EPOS-EFORT BAT Instructional Course Trilogy, an integral part of the EPOS-EFORT BAT 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.

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 second part of the BAT course trilogy is the “Trauma Course” and includes theoretical lectures, debates, techniques in paediatric orthopaedics, case discussions and workshops concerning general characteristics and treatment principles of fractures, upper and lower extremity fractures and intraarticular knee injuries 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 2016. We will do our utmost to meet and exceed your expectations.

Yours,

Rudolf Ganger
Local Host

Hakan Ömeroglu
EPOS Educational Committee Chairman

Manuel Cassiano Neves
EPOS President 2016/2017
4 October 2016 Tuesday

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

5 October 2016 Wednesday

07:15  Registration

08:00  Opening and Welcome

**Characteristics of Fractures in Children**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
</tr>
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<tbody>
<tr>
<td>08:10</td>
<td>Fracture healing</td>
<td>B. Møller-Madsen</td>
</tr>
<tr>
<td>08:20</td>
<td>Epidemiology of fractures in children</td>
<td>C. Alves</td>
</tr>
<tr>
<td>08:30</td>
<td>Why fractures in children differ from those in adults?</td>
<td>Y. Hemo</td>
</tr>
<tr>
<td>08:45</td>
<td>Classification of fractures in children</td>
<td>H. Ömeroglu</td>
</tr>
<tr>
<td>09:00</td>
<td>Discussion</td>
<td></td>
</tr>
</tbody>
</table>

09:15  Workshop Rotation System-1

10:30  Break

**Initial Assessment of an Injured Child**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:50</td>
<td>Initial clinical assessment of an injured child</td>
<td>R. Ganger</td>
</tr>
<tr>
<td>11:00</td>
<td>Initial radiological assessment of an injured child</td>
<td>C. Alves</td>
</tr>
<tr>
<td>11:10</td>
<td>Orthopaedic management of a polytraumatized child</td>
<td>B. Møller-Madsen</td>
</tr>
<tr>
<td>11:20</td>
<td>Discussion</td>
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</tbody>
</table>

**Principles of Fracture Management in Children**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:30</td>
<td>Principles of fracture treatment in children</td>
<td>P. Journeau</td>
</tr>
<tr>
<td>11:45</td>
<td><em>Techniques in Paediatric Orthopaedics;</em> Casts for children’s fractures</td>
<td>Y. Hemo</td>
</tr>
<tr>
<td>11:50</td>
<td>Pathologic fractures</td>
<td>F. Canavese</td>
</tr>
<tr>
<td>12:00</td>
<td>Child abuse</td>
<td>P. Journeau</td>
</tr>
<tr>
<td>12:10</td>
<td>Complications of children’s fractures</td>
<td>Y. Hemo</td>
</tr>
<tr>
<td>12:25</td>
<td>Discussion</td>
<td></td>
</tr>
</tbody>
</table>

12:40  Lunch

**Shoulder and Arm**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:40</td>
<td>Clavicle fractures/dislocations</td>
<td>M. Inan</td>
</tr>
<tr>
<td>13:50</td>
<td><em>Controversial Issue;</em> Displaced clavicle shaft fractures in adolescents</td>
<td>C. Alves</td>
</tr>
<tr>
<td></td>
<td>Conservative treatment is better</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Surgical treatment is better</td>
<td>F. Accadbled</td>
</tr>
<tr>
<td>14:00</td>
<td>Humerus proximal fractures</td>
<td>F. Canavese</td>
</tr>
<tr>
<td>14:10</td>
<td>Humerus shaft fractures</td>
<td>F. Canavese</td>
</tr>
<tr>
<td>14:20</td>
<td><em>Techniques in Paediatric Orthopaedics;</em> FIN of humerus shaft fractures</td>
<td>T. Wirth</td>
</tr>
<tr>
<td>14:25</td>
<td>Discussion</td>
<td></td>
</tr>
</tbody>
</table>

14:40  Workshop Rotation System-2

15:55  Break

**Elbow-1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:15</td>
<td>Humerus supracondylar fractures; Etiology, classification, assessment, treatment principles</td>
<td>F. Accadbled</td>
</tr>
<tr>
<td>16:30</td>
<td><em>Techniques in Paediatric Orthopaedics;</em> Reduction &amp; pinning of humerus supracondylar fractures</td>
<td>P. Journeau</td>
</tr>
<tr>
<td>16:35</td>
<td><em>Controversial Issue;</em> Pin configuration in supracondylar humerus fractures</td>
<td>Y. Hemo</td>
</tr>
<tr>
<td></td>
<td>Medial-lateral cross-pinning is better</td>
<td>H. Ömeroglu</td>
</tr>
<tr>
<td></td>
<td>All lateral pinning is better</td>
<td>M. Cassiano</td>
</tr>
<tr>
<td>16:45</td>
<td>Humerus supracondylar fractures; Management of short-term and long-term complications</td>
<td></td>
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<tr>
<td>17:00</td>
<td>Discussion</td>
<td></td>
</tr>
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6 October 2016 Thursday

Forearm, Wrist and Hand

08:00 Radius and ulna shaft fractures
08:15 Acute and neglected Monteggia fracture-dislocation
08:30 Techniques in Paediatric Orthopaedics; FIN of forearm fractures
08:35 Radius and ulna distal fractures
08:50 Controversial Issue; Completely displaced radius distal metaphyseal fractures in older children and adolescents
09:00 Hand fractures incl. scaphoid
09:15 Discussion

09:30 Workshop Rotation System-2

10:45 Break

11:05 Case Presentations by the Participants and Faculty (Upper Limb Trauma)

12:30 Lunch

Pelvis, Hip and Thigh

13:30 Pelvis and acetabulum fractures
13:40 Femur proximal fractures
13:50 Femur shaft fractures
14:05 Techniques in Paediatric Orthopaedics; FIN of femur shaft fractures
14:10 Controversial Issue; Femur shaft fractures at 5-6 years of age
14:20 Femur distal fractures
14:35 Discussion

14:50 Workshop Rotation System-4

16:05 Break

Leg, Ankle and Foot

16:25 Tibia proximal and patella fractures
16:35 Tibia shaft fractures
16:50 Tibia and fibula distal fractures
17:05 Techniques in Paediatric Orthopaedics; Fixation of distal tibia fractures
17:10 Foot fractures and dislocations
17:25 Discussion

17:40 End of the Day
7 October 2016 Friday

08:00  Case Presentations by the Participants and Faculty (Lower Limb Trauma)  T.Wirth

09:30  Workshop Rotation System-5

10:45  Break

Intraarticular Knee Injuries  M.Cassiano Neves
11:05  Epidemiology and prevention of athletic injuries in children  C.Alves
11:15  Meniscal injuries and discoid lateral meniscus  T.Wirth
11:30  Ligamentous injuries of the knee  F.Accadbled
11:45  Techniques in Paediatric Orthopaedics: Arthroscopic ACL repair in children  M.Cassiano Neves
11:50  Overuse injuries  F.Accadbled
12:05  Patellofemoral instabilities  F.Accadbled
12:15  Osteochondritis dissecans  P.Journeau
12:25  Discussion

Epilogue  H.Ömeroglu
12:40  Is there too much tendency towards the surgical treatment in paediatric fractures?  M.Cassiano Neves
12:55  Discussion

13:00  Take Home Messages & Awards & Trilogy Diplomas & Closing Remarks  H.Ömeroglu, M.Cassiano Neves

13:30  End of the Course

WORKSHOP STATIONS
Station 1: Research methods; B. Møller-Madsen, C. Alves
Station 2: Upper limb FIN (humerus and radius); P. Journeau, Y. Hemo, F. Canavese
Station 3: Femur FIN and trochanteric entry intramedullary nailing; M. Cassiano Neves, H. Ömeroglu, R. Ganger
Station 4: Telescopic nailing of the femur; M. Inan
Station 5: Basic skills in arthroscopic knee surgery; F. Accadbled, T. Wirth

• The number of participants is limited to 150. Registration process will be handled in “first-come, first-served” principle.
• The programme is subject to change.
• An electronic course syllabus will be sent to the participants prior to the course.
• The participants are asked to bring their original trauma cases for discussion in the “case presentations by the participants session”. The best case presentations of upper and lower limb sessions will be elected and certified.
• The participants are responsible for making their own travel and accommodation arrangements.