EPOS Advanced Course
Vienna, Austria: 24-25 January 2024

Fundamentals of Pediatric Spine Deformities

Highlights
• Close interaction with faculty
• Interactive case discussions
• Hands-on workshops covering all current techniques to treat pediatric spine deformities:
  - Growth-sparing strategies for early onset deformities
  - Osteotomy techniques in direct contact with experienced spine deformity surgeon

Methods of education
• Lectures
• Interactive workshops
• Discussion

info www.epos.org/education
Dear Colleagues,

This event is aimed at paediatric orthopaedic surgeons, residents and fellows who want to deepen their understanding of the pathoanatomy, pathogenesis, diagnostics and therapeutic strategies of pediatric spine deformities.

This comprehensive, interactive course is led by a renowned faculty of European experts in that field. Particular emphasis is put on hands on workshops with direct teaching of skills, tricks & pitfalls and discussions about different approaches and problem-solving including 3D reduction deformities correction, placing of spine anchors (pedicle screws, sublaminar band, rib fixation, salvage techniques), osteotomies among others.

We hope to be able to provide you with an exciting scientific programme and look forward to your participation.

Yours,

Carol C. Hasler
Sebastian Farr
Hakan Ömeroğlu
Course Chair
EPOS Educational Committee Chairman
2022-2025
EPOS President
2023-2024
<table>
<thead>
<tr>
<th>Schedule</th>
<th>Topic</th>
<th>Faculty</th>
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<tbody>
<tr>
<td>07:00</td>
<td>Registration</td>
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**Session 1**  
Moderator: David M. Farrington, Moyo Kruyt  
**Fundamentals of Spine Deformity**  
08:00 Growth of the spine and the chest wall Dror Ovadia  
08:08 Functional anatomy incl. spinal alignment Moyo Kruyt  
08:16 Clinical examination Daniel Studer  
08:24 Imaging Jorge Mineiro  
08:32 Neuromonitoring Réne Castelein  
08:40 Outcome analysis Daniel Studer  
08:45 Discussion  

**Early Onset Scoliosis**  
08:55 Challenges Carol Hasler  
09:03 Conservative treatment Oliana Madeira  
09:11 Surgical options and indications Muharrem Yazici  
09:19 Outcomes, Final fusion David M. Farrington  
09:27 Discussion  
09:35 Case presentations Dror Ovadia  
09:50 Coffee Break  

**Session 2**  
Moderator: Oliana Madeira, René Castelein  
**Idiopathic scoliosis**  
10:15 Etiology, classification, natural history Réne Castelein  
10:30 Conservative treatment Jorge Mineiro  
10:45 Surgical treatment incl. Vertebral body tethering Daniel Studer  
11:00 The big curve - Halo traction Dror Ovadia  
11:15 The big curve - Osteotomies (PSO, VCR) Brice Ilharreborde  
11:30 The difficult pedicle Carol Hasler  
11:40 Long-term outcome of surgical treatment Jorge Mineiro  
11:50 Discussion  
12:00 Case presentations Réne Castelein  
12:15 Lunch Break
**Program**
**Wednesday 24 January**

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<thead>
<tr>
<th>Schedule</th>
<th>Topic</th>
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<tbody>
<tr>
<td><strong>Session 3</strong></td>
<td><strong>Moderator:</strong> Daniel Studer, Brice Ilharreborde</td>
<td><strong>Neuromuscular Spine Deformities</strong></td>
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<tr>
<td>13:15</td>
<td>General characteristics, preop assessment, treatment principles</td>
<td>Jorge Mineiro</td>
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<tr>
<td>13:30</td>
<td>Conservative treatment</td>
<td>David M. Farrington</td>
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**Specific pathologies**

| 13:40 | Cerebral palsy | Brice Ilharreborde |
| 13:50 | Spinal muscular atrophy, Muscular dystrophies | Oliana Madeira |

**Surgical treatment**

| 14:05 | The role of growth-friendly surgeries | Dror Ovadia |
| 14:20 | Instrumented fusion | Carol Hasler |
| 14:35 | Discussion | |
| 14:45 | Case presentations | Brice Ilharreborde |

**Session 4**

**Moderator:** Jorge Mineiro, Carol Hasler

**Sagittal plane deformities**

| 15:00 | Scheuermann kyphosis | David M. Farrington |
| 15:15 | Spondylolysis, Spondylolisthesis | Réne Castelein |
| 15:30 | Discussion | |
| 15:40 | Case presentations | Oliana Madeira |

| 16:00 | Coffee Break | |
| 16:15 | Industry-Sponsored workshops Round 1 | |

**Session 5**

**Moderator:** Dror Ovadia, Brice Ilharreborde

**Congenital Spine Deformities**

| 17:15 | Associated intraspinal anomalies | Syril James |
| 17:25 | Scoliosis | Muharrem Yazici |
| 17:40 | Kyphosis | Moyo Kruyt |
| 17:55 | Myelomeningocele | Oliana Madeira |
| 18:05 | Discussion & Cases | |
| 18:15 | Case presentations | Carol Hasler |

| 18:30 | End of the day | |
Program
Thursday 25 January

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<tr>
<th>Schedule</th>
<th>Topic</th>
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<tbody>
<tr>
<td>08:00</td>
<td>Industry-Sponsored workshops Round 2</td>
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<td>09:00</td>
<td>Coffee Break</td>
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**Session 6**
Moderator: David M. Farrington, Muharrem Yazici

**Syndromic Spine**

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<th>Time</th>
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<tbody>
<tr>
<td>09:15</td>
<td>Brittle bone diseases</td>
<td>Muharrem Yazici</td>
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<tr>
<td>09:30</td>
<td>Bone dysplasias</td>
<td>Moyo Kruyt</td>
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<tr>
<td>09:45</td>
<td>Connective tissues disorders</td>
<td>Brice Ilharreborde</td>
</tr>
<tr>
<td>10:00</td>
<td>Metabolic diseases</td>
<td>Muharrem Yazici</td>
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<tr>
<td>10:15</td>
<td>Neurofibromatosis</td>
<td>Dor Ovadia</td>
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<tr>
<td>10:30</td>
<td>Discussion</td>
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<tr>
<td>10:45</td>
<td>Case presentations</td>
<td>David M. Farrington</td>
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<tr>
<td>11:05</td>
<td>Coffee Break</td>
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### Future Courses

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<tr>
<th>Course</th>
<th>Location</th>
<th>Dates</th>
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<tbody>
<tr>
<td>EPOS BAT ADVANCED COURSE</td>
<td>Vienna, Austria</td>
<td>25-26 January 2024</td>
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<tr>
<td>Pediatric Musculoskeletal Tumors Course</td>
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<tr>
<td>8th EPOS BAT INSTRUCTIONAL COURSE TRILOGY (Part I)</td>
<td>Vienna, Austria</td>
<td>6-8 March 2024</td>
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<tr>
<td>Combined EPOS-POSNA Meeting (2nd EPOSNA)</td>
<td>Washington DC</td>
<td>USA 8-11 May 2024</td>
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<tr>
<td>EPOS BAT ADVANCED COURSE</td>
<td>Vienna, Austria</td>
<td>June 2024 (exact dates TBC)</td>
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<tr>
<td>DDH and Hip Ultrasound</td>
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### Course fees (incl. 10% VAT)

**Early registration fees** *(valid until 24th of December 2023):*
- Participants: EUR 400.00
- EPOS members**: EUR 300.00
- Residents**: EUR 250.00

**Late registration fees** *(valid as of 25th of December 2023. No registration possible onsite!):*
- Participants: EUR 500.00
- EPOS members**: EUR 400.00
- Residents**: EUR 350.00

**IMPORTANT! You have a possibility to participate in both January Advanced courses (Spine surgery course (24-25.01) and Tumor & Infection surgery course (25-26.01)) and pay a combined reduced registration fee as follows:**

**Early registration fees** *(valid until 24th of December 2023):*
- Participants: EUR 600.00
- EPOS members**: EUR 450.00
- Residents**: EUR 350.00

**Late registration fees** *(valid as of 25th of December 2023. No registration possible onsite!):*
- Participants: EUR 700.00
- EPOS members**: EUR 550.00
- Residents**: EUR 450.00

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### Course language

English – no translation

### CME Credits

8 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.

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### Opening hours

- Tuesday 23 January 16:00-18:00 (pre-registration, optional)
- Wednesday 24 January 07:00-18:30
- Thursday 25 January 07:30-12:40

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### Contact

EPOS Central Office
courses@epos.org

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### Venue

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

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[Orthopädisches Spital Speising Wien](#)
Course Faculty

René Castelein, The Netherlands  
David M. Farrington, Spain  
Carol C. Hasler, Switzerland  
Brice Ilharreborde, France  
Syril James, France  
Moyo Kruyt, The Netherlands  
Oliana Madeira, Portugal  
Jorge Mineiro, Portugal  
Dror Ovadia, Israel  
Daniel Studer, Switzerland  
Muharrem Yazici, Turkey

Scientific Program Committee:

Carol C. Hasler  
Sebastian Farr  
Hakan Ömeroğlu  

Course Chair  
Chair, EPOS Educational Committee  
EPOS President 2023-2024