

EDUCATION / EURO  
SPINE

**EduWeek** 2025

ADVANCED

**1**

**Extended Indications  
and Advanced  
Operative Techniques**

## General Information

**EUROSPINE, the Spine Society of Europe**  
c/o Pfister Treuhand AG  
Bankstrasse 4, 8610 Uster-Zurich, Switzerland  
W: [www.eurospine.org](http://www.eurospine.org)

### Chair of Education Committee

Paulo Pereira  
E: [education@eurospine.org](mailto:education@eurospine.org)

### Director of Education and Research

Julie-Lyn Noël  
E: [noel@eurospine.org](mailto:noel@eurospine.org)

### Education and Research Manager

Oriana Pivetta  
E: [pivetta@eurospine.org](mailto:pivetta@eurospine.org)

### Module Chairs

Dominique Rothenfluh, Switzerland  
Peter Vajkoczy, Germany

### Module Faculty\*\*

Haluk Berk\*, Turkey  
Bart Depreitere\*, Belgium  
John Duff\*, Switzerland  
Serdar Kahraman\*, Turkey  
Claudio Lamartina, Italy  
Bernhard Meyer\*, Germany  
Ibrahim Obeid, France  
Florian Ringel, Germany  
Alpaslan Senköylü, Turkey

\*E-learning only

\*\* Faculty module might be subject to change

EduWeek 2025 Overview			
Basic and Advanced Courses			
AUTUMN 2024	MAY-JUNE 2025	23-25 JUNE 2025	2-4 SEPTEMBER 2025
<p><b>REGISTRATION OPENS</b></p> <ul style="list-style-type: none"> <li>Registrations open in early October 2024</li> <li>Exact date announced on the EUROSPINE website, through newsletters and social media</li> <li>Participants can now register and save their place for Basic and Advanced modules</li> <li>Further details and preliminary programmes are shared on the EUROSPINE website</li> </ul>	<p><b>PART 1 - E-LEARNING</b></p> <ul style="list-style-type: none"> <li>Enrolment of participants to the EUROSPINE Learning Management System (LMS) by the Education team</li> <li>Self-paced completion of the module/s by participants</li> <li>Assessment: MCQs that must be passed with a minimum of 70% + CME evaluation</li> <li>Mode of study: online/distance learning through the LMS                             <ul style="list-style-type: none"> <li><b>NO physical presence required</b></li> </ul> </li> </ul>	<p><b>PART 2 - LIVE SESSIONS</b></p> <ul style="list-style-type: none"> <li>Live sessions take place at <b>IRCAD</b> in Strasbourg/France</li> <li>Live sessions include, lectures, case based discussions, workshops, group work (and CadLabs/SkillsLabs for designated modules)</li> <li>Participants arrange their own travel/accommodation to/in Strasbourg/France to take part in the modules</li> <li>Assessment: CME evaluations                             <ul style="list-style-type: none"> <li>Modules 1-5: after completion of part 2+3</li> <li>Module 6: after completion of part 2</li> </ul> </li> <li>Mode of study: <b>in-person, physical presence required</b></li> </ul>	<p><b>PART 3 - VIRTUAL LIVE SESSION</b></p> <ul style="list-style-type: none"> <li>Bring Your Own Case (BYOC) for Modules 1-5 only</li> <li>Participants submit a case prior to the session.</li> <li>Module faculty choose three case that are discussed in breakout groups and facilitated by faculty members.</li> <li>Assessment: CME evaluation after completion of part 2+3</li> <li>Mode of study: <b>online live via Zoom</b> <ul style="list-style-type: none"> <li><b>NO physical presence required</b></li> </ul> </li> </ul>

## Quick Facts

<b>DATES &amp; TIMES</b>	<p><b><u>Live session</u></b> DAY 1: 23 June 2025 (09:00-17:00 CEST) AND DAY 2 (CadLab): 24 June 2024 (08:00-12:30 CEST)</p> <p><b><u>Virtual live session</u></b> 04 September 2025 (15:00-16:30 CEST)</p>
<b>LIVE SESSION VENUE</b>	IRCAD, 1 Place de l'Hôpital, 67000 Strasbourg, FRANCE
<b>MAX. ATTENDEES</b>	30 delegates
<b>REGISTRATON FEES</b>	EUROSPINE Member: €800 Non-member: €1,000
<b>CME CREDITS</b>	Accreditation by the European Board for Accreditation of Continuing Education for Health Professionals (EBAC) is pending
<b>LANGUAGE</b>	English
<b>DRESS CODE</b>	Smart casual
<b>E-LEARNING</b>	<p>A computer (Mac/PC) or tablet (Android/Mac) and stable internet connection are required to access the e-learning content.</p> <p>In preparation for the live session, the mandatory self-paced e-learning component will be available from May 2025 on the EUROSPINE Learning Management System (LMS). <u>This component must be completed before the live session.</u></p>
<b>MODULE COMPLETION</b>	<p>A module is only deemed as complete when participants have met <b>ALL</b> of the following conditions:</p> <ul style="list-style-type: none"> <li>• Passed the e-learning with at least 70% <b>AND</b></li> <li>• Attended the live session <b>AND</b></li> <li>• Attended the virtual BYOC live session <b>AND</b></li> <li>• Submitted the course evaluations for the e-learning and the (virtual) live session component</li> </ul>
<b>TARGET AUDIENCE</b>	Trained surgeons who have completed their European Spine Course Diploma or trained and practicing surgeons with more than 2 years of experience.
<b>IMPORTANT (!)</b>	<ul style="list-style-type: none"> <li>• Completion of e-learning module is mandatory</li> <li>• Attendance of the live session and virtual live session is mandatory</li> <li>• Upon registration, participants must provide evidence that they meet the requirements to attend the Advanced Course by providing a copy one of the following by email: Basic Diploma, CV or recommendation letter from department head</li> </ul>

## PART1 - E-learning Programme

(available from May 2025)

Time/Duration	Topic	Faculty <i>Faculty might be subject to change</i>
<b>Craniocervical Junction</b>		
00:25	Indications for craniocervical junction fixation surgery	John Duff
00:24	Indications for anterior resection techniques at the CCJ	Bernhard Meyer
00:10	How do I do it: endoscopic transnasal odontoid resection	Bernhard Meyer
00:20	C0/C1/C2 fixation techniques	Bart Depreitere
00:20	Knowledge check questions	
<b>Cervicothoracic Junction</b>		
00:26	Instrumentation in the cervicothoracic junction	Bart Depreitere
00:16	Tumours expanding to the spine	Bart Depreitere
00:18	Kyphosis correction techniques and indications	John Duff
00:20	Knowledge check questions	
<b>Thoracic Spine</b>		
00:13	Indications and techniques for thoracic disc herniation surgery	Serdar Kahraman
00:18	Indications for en bloc spondylectomy	Haluk Berk
00:23	How do I do it: thoracic en bloc spondylectomy	Bart Depreitere
00:19	Minimally invasive thoracic instrumentation and augmentation	John Duff
00:20	Knowledge check questions	
<b>Adolescent Idiopathic Scoliosis (AIS)</b>		
00:18	Indications for conservative management and surgery in AIS	Haluk Berk
00:29	Surgery principles in AIS	Ibrahim Obeid
00:23	Spinal Cord Monitoring in Deformity Surgery	Haluk Berk
00:20	Knowledge check questions	
<b>Lumbar Degenerative Deformities</b>		
00:20	Sagittal balance and operative planning	Ibrahim Obeid
00:20	Correction osteotomies	Ibrahim Obeid
00:10	Augmentation in the osteoporotic spine	Serdar Kahraman
00:11	How do I do it: sacral/pelvic fixation technique	Bernhard Meyer
00:20	Knowledge check questions	

## PART 2 - Live Session Programme

Time/ Duration	Topic	Faculty <i>Faculty might be subject to change</i>
<b>High-Grade Lumbar Spondylolisthesis and Tumour Surgery and Reconstruction &amp; Intradural Tumours</b>		
00:14	Surgical techniques and indications in high grade spondylolisthesis surgery	John Duff
00:09	How do I do it: sacral dome resection	Bernhard Meyer
00:16	Indication and techniques of sacral tumour resections	Bernhard Meyer
00:18	Indications for neo-adjuvant therapies in spinal tumours	Bart Depreitere
00:17	Indications and techniques for intradural extramedullary lesions	Bernhard Meyer
00:15	Intramedullary tumours	Serdar Kahraman
00:20	Knowledge check questions	
<b>DAY 1 23 June 2025</b>		
09:00–10:30	Cases	
10:30–10:45	Coffee break	
10:45–12:05	Cases	
12:05–13:05	Lunch	
13:05–15:05	Cases	
15:05–15:20	Coffee break	
15:20–17:00	Cases	
<b>DAY 2 24 June 2025</b>		
07:50–12:30 (incl. 1x30 mins. Break around 10:00-10:30)	Cadaver Lab Workshop	
07:50 – 08:00	Preparation for CadLab workshop (sign-in, changing, going to assigned tables etc)	
08:00 - 10:00	Session 1	
10:00 – 10:30	Coffee break	
10:30 – 12:30	Session 2	
<b>12:30</b>	<b>END OF LIVE SESSION</b>	

<b>Case discussions</b>		
Topic	Case presenter	Expert Opinion
Introduction	Rothenfluh	
Spinal cord anomalies	Ringel	Vajkoczy

Cervicothoracic PVCR and reconstruction / Upper th spine kyphosis	Lamartina	Obeid
Cranial settling or any craniocervical junction problem	Vajkoczy	Ringel
Spinal metastasis	Lamartina	Rothenfluh
Severe AIS	Rothenfluh	Senkoylu
Degenerative deformity	Senkoylu	Lamartina
Spinal primary bone tumor	Obeid	Rothenfluh
Intramedullary tumor	Vajkoczy	Ringel
Conclusion /Wrap up	Vajkoczy	

<b>Cadaver Lab Workshop</b>	
Posterior thoracic and en bloc vertebrectomies	Senkoylu
	Rothenfluh
Cervicothoracic fixation	Lamartina
	Ringel
PSO, Ponte Osteotomies and iliosacral fixation	Obeid
	Vajkoczy

## **PART 3 - Virtual Live Session**

### **Bring Your Own Case (BYOC)**

<b>04 September 2025</b>	
<b>15:00 – 16:30 CEST</b>	
15:00-15:05	Introduction
15:05-15:25	Breakout session 1
15:25-15:30	Discussion 1
15:30-15:50	Breakout session 2
15:50-15:55	Discussion 2
15:55-16:00	Break
16:00-16:20	Breakout 3
16:20-16:25	Discussion 3
16:25-16:30	Wrap-up and conclusion
<b>END OF MODULE</b>	

## **Learning Outcomes**

At the end of the module, participants will be able to:

1. List indications for surgeries in the spinal junction areas and understand associated pathologies;
2. Describe surgical techniques in the spinal junction areas and weigh their pros and cons;
3. Understand the basic principles of degenerative deformities and high-grade spondylolisthesis, list surgical indications and formulate surgical plans;
4. Understand and apply the basic principles of idiopathic adolescent scoliosis;
5. Describe the technique for radical excision surgery in spinal tumours and list complications and indications;
6. List indications and describe surgical approaches

## **Learning Outcomes – Bring Your Own Case (BYOC)**

The module concludes with the Bring Your Own Case (BYOC) virtual live session. The BYOC is a case-based learning session based on the participants own practice or experience. Participants will be asked to submit a case on the module topic before the virtual live session.

The cases are ideally the participant's own case and should preferably present questions with no single right answer or dilemmas. The cases could also be from their own departments and ideally, the participant should have had some personal connection or have at least seen the case.

The cases will be shared with assigned faculty preceptors who will process the cases and determine the line-up and order of discussion. Some cases may be grouped with that of other colleagues in discussion.

At the end of the session participants will be able to:



- Synthesise background knowledge and principles on the topic (module name) and apply to their own case and other cases presented
- Identify dilemmas and issues with their own case and other cases presented
- Raise points and questions on their own case and other cases presented
- Defend their positions regarding their own case and cases presented during the discussion
- Recognise and understand diverse perspectives from other participants and faculty
- Assimilate new ideas, new techniques and information, and adopt them appropriately in practice
- Formulate clinical decisions, strategies and generate possible solutions on their own case and other cases presented

## Recommended Reading

Part VI Advanced Module 1: Extended Indications and Advanced Operative Techniques. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach. Switzerland: Springer.

- J. Gempt. (2019). Indications for Craniocervical Surgery and Anterior Resection Techniques (Endonasal, Transoral). B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 411-416). Switzerland: Springer.
- A. Tschugg, S. Hartmann and C. Thomé. (2019). C0/C1/C2 Instrumentation Techniques. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 417-422). Switzerland: Springer.
- A. Tschugg, S. Hartmann and C. Thomé. (2019). Basilar Invagination. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 423-428). Switzerland: Springer.
- N. Hecht, M. Czabanka and P. Vajkoczy. (2019). Corpectomies and Osteotomies in the Upper Thoracic Spine and Cervicothoracic Region. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 429-436). Switzerland: Springer.
- B. Meyer & L. Bobinski. (2019). Cervicothoracic Kyphosis in Ankylosing Spondylitis. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 437-446). Switzerland: Springer.
- A. El Rahal, F. Solla, V. Fiere, A. Toquart and C. Barrey. (2019). Sagittal Balance and Preoperative Planning. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 447-458). Switzerland: Springer.
- F. Ringel. (2019). Technical Execution of Correction Osteotomies (SPO, PSO etc). B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 459-464). Switzerland: Springer.
- Y-P. Charles. (2019). Instrumentation Techniques Including Sacral and Pelvic Fixation. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 465-472). Switzerland: Springer.
- S. Hartmann, A. Tschugg and C. Thomé. (2019). Degenerative Lumbar Scoliosis. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 473-480). Switzerland: Springer.
- S. Hartmann, A. Tschugg and C. Thomé. (2019). Long Versus Short Constructs. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 481-489). Switzerland: Springer.



- L. Wessels and P. Vajkoczy. (2019). In Situ Fusion Versus Realignment. B. Meyer and M. Rauschmann (Eds.), *Spine Surgery A Case-Based Approach* (pp. 489-494). Switzerland: Springer.
- S. Haddad, K. Rahnema Zand, and F. Pellisé. (2019). Surgical Management of Developmental High-Grade Spondylolisthesis. B. Meyer and M. Rauschmann (Eds.), *Spine Surgery A Case-Based Approach* (pp. 495-504). Switzerland: Springer.
- D. Rothenfluh and J. Reynolds. (2019). Indications and Technique of Thoracic En Bloc Resections. B. Meyer and M. Rauschmann (Eds.), *Spine Surgery A Case-Based Approach* (pp. 505-512). Switzerland: Springer.
- D. Rothenfluh and E. Bourassa-Moreau. (2019). Management of Failed Back Surgery Syndrome. B. Meyer and M. Rauschmann (Eds.), *Spine Surgery A Case-Based Approach* (pp. 513-522). Switzerland: Springer.
- E. Shiban and B. Meyer. (2019). Minimally Invasive (Long) Dorsal Instrumentation Including Augmentation for Metastasis. B. Meyer and M. Rauschmann (Eds.), *Spine Surgery A Case-Based Approach* (pp. 523-532). Switzerland: Springer.
- U. Liljenqvist. (2019). En Bloc Resection for Metastatic Disease. B. Meyer and M. Rauschmann (Eds.), *Spine Surgery A Case-Based Approach* (pp. 533-538). Switzerland: Springer.
- E. Acaroglu and M. Doany. (2019). Principles of Posterior Surgery in Adolescent Idiopathic Scoliosis. B. Meyer and M. Rauschmann (Eds.), *Spine Surgery A Case-Based Approach* (pp. 539-546). Switzerland: Springer.
- S. Krieg and B. Meyer. (2019). Tumours of the Sacrum. B. Meyer and M. Rauschmann (Eds.), *Spine Surgery A Case-Based Approach* (pp. 547-562). Switzerland: Springer.
- M. Gehrchen. (2019). Radical Excision Is Beneficial for Chordoma? B. Meyer and M. Rauschmann (Eds.), *Spine Surgery A Case-Based Approach* (pp. 563-566). Switzerland: Springer.
- A. Zdunczyk and P. Vajkoczy. (2019). Intradural Extramedullary Lesions. B. Meyer and M. Rauschmann (Eds.), *Spine Surgery A Case-Based Approach* (pp. 567-572). Switzerland: Springer.
- M. Wostrack. (2019). Indications and Technique for Intradural Intramedullary Lesions. B. Meyer and M. Rauschmann (Eds.), *Spine Surgery A Case-Based Approach* (pp. 533-538). Switzerland: Springer.