

EduWeek 2025

ADVANCED

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**Extended Indications
and Advanced
Operative Techniques**

General Information

EUROSPINE, the Spine Society of Europe

c/o Pfister Treuhand AG

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Dominique Rothenfluh, Switzerland

Peter Vajkoczy, Germany

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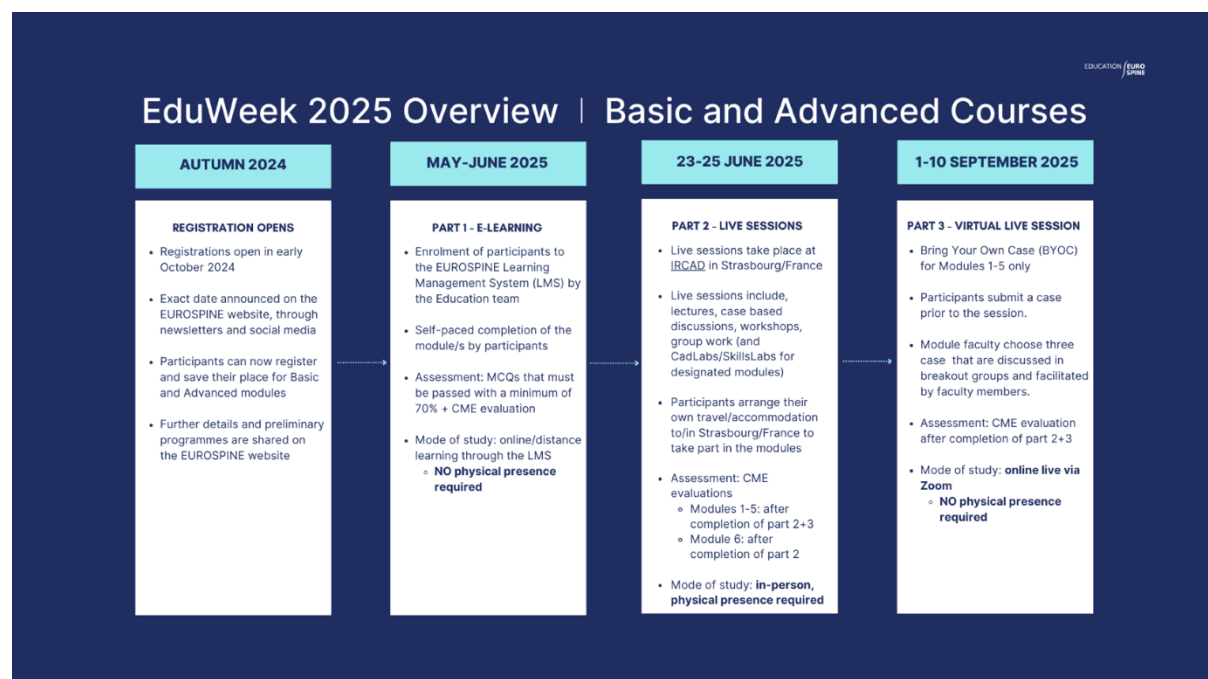
Ibrahim Obeid, France

Florian Ringel, Germany

Yu-Mi Ryang, Germany *

Alpaslan Senköylü, Turkey

**skills lab faculty only*



Quick Facts

DATES & TIMES	<p><u>Live session</u> DAY 1: 23 June 2025 (09:00-17:00 CEST) AND DAY 2 (CadLab): 24 June 2024 (08:00-12:30 CEST)</p> <p><u>Virtual live session</u> 09 September 2025 (18:00-19:30 CEST)</p>
LIVE SESSION VENUE	IRCAD, 1 Place de l'Hôpital, 67000 Strasbourg, FRANCE
MAX. ATTENDEES	30 delegates
REGISTRATON FEES	EUROSPINE Member: €800 Non-member: €1,000
CME CREDITS	Accreditation by the European Accreditation Council for Continuing Medical Education (EACCME) is pending.
LANGUAGE	English
DRESS CODE	Smart casual
E-LEARNING	<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>
MODULE COMPLETION	<p>A module is only deemed as complete when participants have met ALL of the following conditions:</p> <ul style="list-style-type: none"> • Passed the e-learning with at least 70% AND • Attended the live session AND • Attended the virtual BYOC live session AND • Submitted the course evaluations for the e-learning and the (virtual) live session component
TARGET AUDIENCE	Trained surgeons who have completed their European Spine Course Diploma or trained and practicing surgeons with more than 2 years of experience.
IMPORTANT (!)	<ul style="list-style-type: none"> • Completion of e-learning module is mandatory • Attendance of the live session and virtual live session is mandatory • 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

PART 1 - E-learning Programme

(available from May 2025)

Time/Duration	Topic	Faculty
Craniocervical Junction		
00:17	Indications for craniocervical junction fixation surgery	Peter Vajkoczy
00:17	Indications for anterior resection techniques at the CCJ	Florian Ringel
00:10	How do I do it: endoscopic transnasal odontoid resection	Florian Ringel
00:14	C0/C1/C2 fixation techniques	Florian Ringel
00:20	Knowledge check questions	
Cervicothoracic Junction		
00:17	Instrumentation in the cervicothoracic junction	Peter Vajkoczy
00:14	Tumours expanding to the spine	Alpaslan Senkoylu
00:18	Kyphosis correction techniques and indications	John Duff
00:20	Knowledge check questions	
Thoracic Spine		
00:11	Extended indications and techniques - thoracic disc herniation	Peter Vajkoczy
00:13	Indications for thoracic en bloc spondylectomy	Dominique Rothenfluh
00:11	How do I do it: thoracic en bloc spondylectomy	Dominique Rothenfluh
00:19	Minimally invasive thoracic instrumentation and augmentation	John Duff
00:20	Knowledge check questions	
Adolescent Idiopathic Scoliosis (AIS)		
00:24	Indications for conservative management and surgery in AIS	Alpaslan Senkoylu
00:23	Surgery principles in AIS	Ibrahim Obeid
00:20	Knowledge check questions	
Lumbar Degenerative Deformities		
00:20	Sagittal balance and operative planning	Ibrahim Obeid
00:20	Correction osteotomies	Ibrahim Obeid
00:17	Extended indications and techniques - Augmentation in osteoporotic spine	Alpaslan Senkoylu
00:11	How do I do it: sacral/pelvic fixation technique	Bernhard Meyer
00:20	Knowledge check questions	

Time/ Duration	Topic	Faculty
High-Grade Lumbar Spondylolisthesis and Tumour Surgery and Reconstruction & Intradural Tumours		
00:14	Surgical techniques and indications in high grade spondylolisthesis surgery	John Duff
00:09	How do I do it: sacral dome resection	Dominique Rothenfluh
00:09	Indication and techniques of sacral tumour resections	Dominique Rothenfluh
00:11	Indications and techniques for intradural extramedullary lesions	Peter Vajkoczy
00:21	Intramedullary tumours	Florian Ringel
00:20	Knowledge check questions	

PART 2 - Live Session Programme

DAY 1 23 June 2025	
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
DAY 2 24 June 2025	
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
12:30	END OF LIVE SESSION

Case discussions		
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	

Cadaver Lab Workshop	
Posterior thoracic and en bloc spondylectomy	Senkoylu
Posterior thoracic and en bloc vertebrectomy	Rothenfluh
Cervicothoracic fixation	Lamartina & Ryang
	Ringel
PSO, Ponte Osteotomies and iliosacral fixation	Obeid
	Vajkoczy

PART 3 - Virtual Live Session

Bring Your Own Case (BYOC)

09 September 2025	
18:00 – 19:30 CEST	
18:00-18:05	Introduction
18:05-18:25	Breakout session 1
18:25-18:30	Discussion 1
18:30-18:50	Breakout session 2
18:50-18:55	Discussion 2
18:55-19:00	Break
19:00-19:20	Breakout 3
19:20-19:25	Discussion 3
19:25-19:30	Wrap-up and conclusion
END OF MODULE	

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 a virtual live session of Bring Your Own Case (BYOC). The BYOC is a case-based learning session based on the participants' 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 participants' own 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 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 those 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 them to their own case and other cases presented
- Identify dilemmas and issues with their case and other cases presented
- Raise points and questions on their case and other cases presented
- Defend their positions regarding their case and the 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 for their 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.