

EduWeek 2025

ADVANCED

2

Revision and Complications Management

General Information

EUROSPINE, the Spine Society of Europe

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Massimo Balsano, Italy,

Jörg Franke, Germany

Module Faculty

Eleftherios Archavlis, Germany

Marisa Gandia Gonzalez, Spain

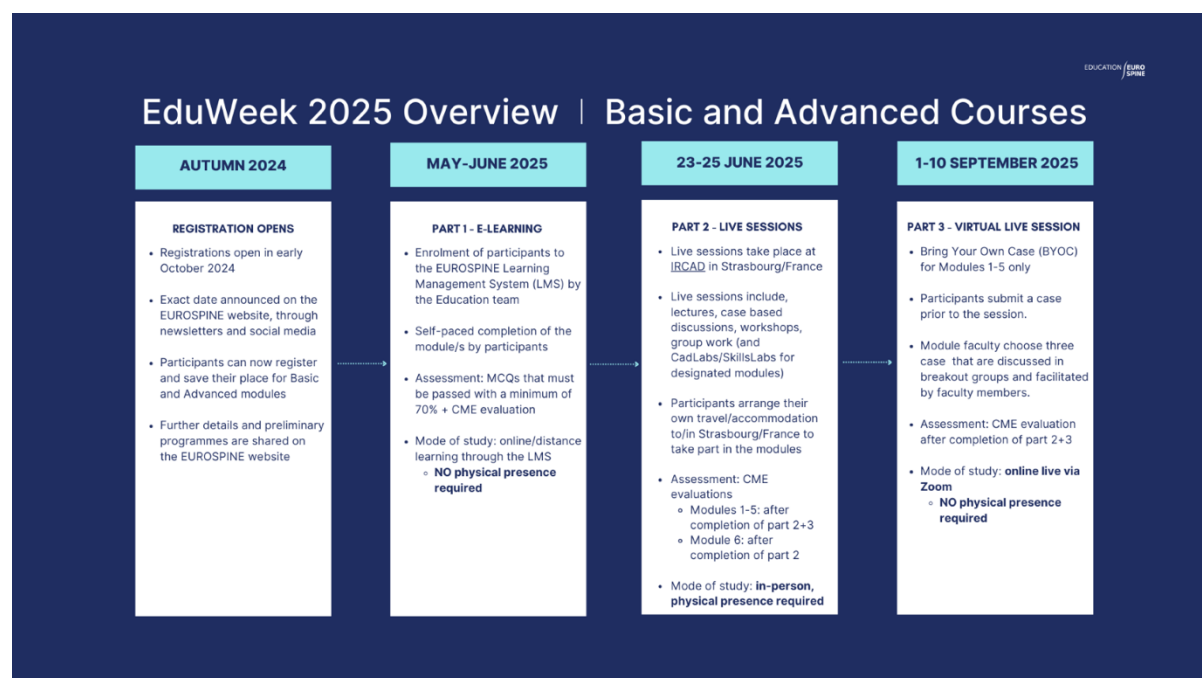
Serdar Kahraman, Turkey

Paulo Pereira, Portugal *

Dominique Rothenfluh, Switzerland *

Marco Teli, Italy

**skills lab faculty only*



Quick Facts

DATES & TIMES	Live session DAY 1 (Skills Lab): 24 June 2025 (14:00-18:15 CEST) AND DAY 2: 25 June 2025 (09:00-17:45 CEST) Virtual live session 10 September 2025 (18:00-19:30 CEST)
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	A computer (Mac/PC) or tablet (Android/Mac) and stable internet connection are required to access the e-learning content. 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>
MODULE COMPLETION	A module is only deemed as complete when participants have met ALL of the following conditions: <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
General considerations		
00:12	Safety checklist for spine patients	Eleftherios Archavlis
00:15	Preoperative complications	Frank Kandziora
00:13	Biomechanics of implant failure	Massimo Balsano
00:15	Prevention and Management of bleeding complications in complex spinal surgery	Eleftherios Archavlis
00:26	Prevention and Management of postoperative infections	Jörg Franke
	Knowledge check questions	
Revisions and complications management		
	Screw misplacement and handling	Jörg Franke
00:10	PJK (proximal junctional kyphosis) assessment and operative treatment	Marco Teli
	Dural tear and handling	Serdar Kahraman
00:36	Problems with intradural tumors	Marisa Gandia
00:20	Knowledge check questions	

PART 2 - Live Session Programme

DAY 1: IRCAD Lab 24 June 2025	
14:00–15:30	Skills lab
15:30–15:45	Coffee Break
15:45–18:15	Skills lab
18:15	End of Day 1 Adv Mod 2
DAY 2: IRCAD Hirsch 25 June 2025	
09:00–10:30	Cases
10:30–10:45	Coffee Break
10:45–12:30	Cases
12:30–13:30	Lunch
13:30–15:30	Cases
15:30–15:45	Coffee Break
15:45–17:45	Cases
17:45	END OF LIVE SESSION

Case Topic	Faculty	Expert
Introduction	Balsano	Franke
Osteoporotic failure	Franke	Balsano
Syringomyelia	Archavlis	Gandia Gonzalez
Visceral complications	Archavlis	Teli
Pseudoarthrosis in adult scoliosis	Teli	Franke
Vertebral artery injury	Kahraman	Gandia Gonzalez
Lumbar disc failure	Gandia Gonzalez	Franke
Mechanical failure of C spine	Kahraman	Balsano
Loss of IONM in AIS Surgery	Balsano	Archavlis
Revision of adult deformity	Teli	Balsano

Lab Topic	Education Support	Faculty
Spinal rod bending system	System demo	Rothenfluh
Spinal rod bending system	Navigation	Gandia & Archavlis
Cervical Fixation	UpSurgeOn	Ringel
Lumbar Degenerative Scoliosis	SurgiStud	Balsano
Lumbosacroiliac fixation with mixed reality navigation	UpSurgeon	Kahraman & Pereira
Lumbosacroiliac fixation	STUDs (robotics)	Teli

PART 3 - Virtual Live Session

Bring Your Own Case (BYOC)

10 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 possible early and late complications of spinal surgery
2. Describe how to prevent perioperative complications
3. Manage perioperative complications such as iatrogenic visceral, vascular, and neural injury
4. Explain how to avoid early complications
5. Understand the concepts of preventing and managing infectious, bleeding, and wound healing complications.
6. Manage early complications, including surgical and non-surgical
7. Define how to avoid late complications
8. Manage late complications such as pseudoarthrosis, proximal junctional kyphosis, and sacral fractures.
9. Identify poor bone quality and plan revision for such cases.

Recommended Reading

Part VII Advanced Module 2: Complications and Management. B. Meyer and M. Rauschmann (Eds.), Spine Surgery: A Case-Based Approach. Switzerland: Springer.

- S. Krieg. (2019). Safety Checklist for Spine Patients. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 585-598). Switzerland: Springer.
- F. Ringel and J. Conrad. (2019). Positioning of the Patient and Related Complications. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp 599-606). Switzerland: Springer.
- H. Meyer. (2019). Post-laminectomy Kyphosis. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 607-612). Switzerland: Springer.
- S. Ille, S. Krieg, and B. Meyer. (2019). Failed Back Surgery Syndrome: The Scar is a Myth. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 613-620). Switzerland: Springer.
- J. Franke and S. Michalitsis. (2019). Adjacent Segment Disease with 13 Years Follow Up and Five Operations. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 621-630). Switzerland: Springer.
- M. Rickert. (2019). Management of Postoperative Infections. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 631-640). Switzerland: Springer.
- C. Fleege. (2019). Management of Pseudoarthrosis with Implant Failure. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 641-648). Switzerland: Springer.
- C. Yilgor and E. Acaroglu. (2019). Proximal Junctional Kyphosis Despite Best Efforts in Planning and Execution. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 649-658). Switzerland: Springer.
- A. Pingel and F. Kandziora. (2019). Management of Failure of Osteoporotic Fixation. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 659-666). Switzerland: Springer.
- D. Rodriguez-Rubio and J. Lafuente. (2019). Post-operative C5 palsy. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 667-672). Switzerland: Springer.

- S. Krieg. (2019). Non-spinal complications. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 673-696). Switzerland: Springer.
- J. Duff and R. Maduri. (2019). Management of CSF Fistula. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 697-701). Switzerland: Springer.