



EDUCATION | EURO  
SPINE

# EduWeek 2024

24-26 JUNE | STRASBOURG, FRANCE

**Advanced Module 2:  
Revisions and Complications  
Management**

## 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: [educationl@eurospine.org](mailto:educationl@eurospine.org)

#### Director of Education and Research

Julie-Lyn Noël

E: [noel@eurospine.org](mailto:noel@eurospine.org)

#### Education and Research Manager

Angelika Salmen

E: [salmen@eurospine.org](mailto:salmen@eurospine.org)

#### Module Chairs

Massimo Balsano, Italy,

Jörg Franke, Germany

#### Module Faculty

Eleftherios Archavlis, Germany

Marisa Gandia Gonzalez, Spain

Serdar Kahraman, Turkey

Frank Kandziora\*, Germany

Markus Loibl\*, Switzerland

Marco Teli, Italy

Peter Vajkoczy\*, Germany

\*E-learning only

EduWeek 2024 Overview Basic and Advanced Courses			
AUTUMN 2023	MAY-JUNE 2024	24-26 JUNE 2024	3-6 SEPTEMBER 2024
<p><b>REGISTRATION OPENS</b></p> <ul style="list-style-type: none"> <li>Registrations open in early October 2023</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> <p><b>NEW in 2024</b></p>

## Quick Facts

<b>DATES &amp; TIMES</b>	<b><u>Live session</u></b> DAY 1 (Skills Lab): 25 June 2024 (14:00-18:15 CEST) AND DAY 2: 26 June 2024 (09:00-17:45 CEST)
	<b><u>Virtual live session</u></b> 05 September 2024 (17:00-18:30 CEST)
<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>	<p>The EUROSPINE Basic and Advanced Spine Surgery eLearning platform made available on <a href="https://eurospine.matrixlms.eu">https://eurospine.matrixlms.eu</a> and organized by EUROSPINE, the Spine Society of Europe is accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) to provide the following CME activity for medical specialists. The e-learning activity for this module is accredited with 1,5 CME credits.</p> <p>Only those e-learning materials that are displayed on the UEMS-EACCME® website have formally been accredited. Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at <a href="https://edhub.ama-assn.org/pages/applications">https://edhub.ama-assn.org/pages/applications</a>.</p> <p>The EduWeek 2024: Advanced Module 2: Revision and Complications Management, Strasbourg, France 25/06/2024 - 05/09/2024, has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 12.0 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.</p> <p>Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at <a href="https://edhub.ama-assn.org/pages/applications">https://edhub.ama-assn.org/pages/applications</a>.</p> <p>Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.</p>
<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 2024 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>	<p>Trained surgeons who have completed their European Spine Course Diploma or trained and practicing surgeons with more than 2 years of experience</p>
<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>

## PART 1 - E-learning Programme

(available from May 2024)

Time/ Duration	Topic	Faculty
00:12	Safety checklist for spine patients	Markus Loibl
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	Ibrahim Obeid
00:26	Prevention and Management of postoperative infections	Peter Vajkoczy
00:20	Knowledge check questions	

## PART 2 - Live Session Programme

DAY 1 25 June 2024	
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



<b>DAY 2</b> <b>26 June 2024</b>	
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
<b>17:45</b>	<b>END OF LIVE SESSION</b>

<b>Case Topic</b>	<b>Faculty</b>
Introduction	Balsano
Osteoporotic failure	Balsano
Syringomyelia	Gonzalez
Visceral complications	Teli
PJK	Balsano
Vertebral artery injury	Kahraman
C5 palsy	Gonzalez
Mechanical failure of C spine	Kahraman
Sacral fracture	Balsano
Revision of adult deformity	Gonzalez

<b>Lab Topic</b>	<b>Education Support</b>	<b>Faculty</b>
Spinal rod bending system	System demo	Balsano
Personalised spine surgery (AI and data science based technology)	System demo	Franke
Dural Repair	Realist simulator	Gandia
Cranio-cervical fixation /occipital fusion	UpSurgeon	Kahraman
Lumbosacroiliac fixation	STUDs (robotics)	Marco Teli

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

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

<b>05 September 2024</b> <b>17:00 – 18:30 CEST</b>	
17:00-17:05	Introduction
17:05-17:25	Breakout session 1
17:25-17:30	Discussion 1
17:30-17:50	Breakout session 2

17:50-17:55	Discussion 2
17:55-18:00	Break
18:00-18:20	Breakout 3
18:20-18:25	Discussion 3
18:25-18:30	Wrap-up and conclusion
<b>END OF MODULE</b>	

## Learning Outcomes

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

1. List 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 prevent 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 prevent late complications
8. Manage late complications such as pseudoarthrosis and 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.