



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

Chair of Education Committee

Paulo Pereira
 E: educationl@eurospine.org

Director of Education and Research

Julie-Lyn Noël
 E: noel@eurospine.org

Education and Research Manager

Angelika Salmen
 E: 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>REGISTRATION OPENS</p> <ul style="list-style-type: none"> Registrations open in early October 2023 Exact date announced on the EUROSPINE website, through newsletters and social media Participants can now register and save their place for Basic and Advanced modules Further details and preliminary programmes are shared on the EUROSPINE website 	<p>PART 1 - E-LEARNING</p> <ul style="list-style-type: none"> Enrolment of participants to the EUROSPINE Learning Management System (LMS) by the Education team Self-paced completion of the module/s by participants Assessment: MCQs that must be passed with a minimum of 70% + CME evaluation Mode of study: online/distance learning through the LMS <ul style="list-style-type: none"> NO physical presence required 	<p>PART 2 - LIVE SESSIONS</p> <ul style="list-style-type: none"> Live sessions take place at IRCAD in Strasbourg/France Live sessions include, lectures, case based discussions, workshops, group work (and CadLabs/SkillsLabs for designated modules) Participants arrange their own travel/accommodation to/in Strasbourg/France to take part in the modules Assessment: CME evaluations <ul style="list-style-type: none"> Modules 1-5: after completion of part 2+3 Module 6: after completion of part 2 Mode of study: in-person, physical presence required 	<p>PART 3 - VIRTUAL LIVE SESSION</p> <ul style="list-style-type: none"> Bring Your Own Case (BYOC) for Modules 1-5 only Participants submit a case prior to the session. Module faculty choose three case that are discussed in breakout groups and facilitated by faculty members. Assessment: CME evaluation after completion of part 2+3 Mode of study: online live via Zoom <ul style="list-style-type: none"> NO physical presence required <p>NEW in 2024</p>

Quick Facts

DATES & TIMES	<u>Live session</u> DAY 1 (Skills Lab): 25 June 2024 (14:00-18:15 CEST) AND DAY 2: 26 June 2024 (09:00-17:45 CEST)
	<u>Virtual live session</u> 05 September 2024 (17:00-18:30 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	<p>The EUROSPINE Basic and Advanced Spine Surgery eLearning platform made available on https://eurospine.matrixlms.eu 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 https://edhub.ama-assn.org/pages/applications.</p> <p>The live session accreditation is pending.</p>
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 2024 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 (!)

- 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 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
DAY 2 26 June 2024	
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
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

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

PART 3 - Virtual Live Session

Bring Your Own Case (BYOC)

05 September 2024	
17:00 – 18:30 CEST	
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
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 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.