EDUCATION EUROSPINE

EduWeek 2024

24–26 JUNE | STRASBOURG, FRANCE

Advanced Module 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

Chair of Education Committee
Paulo Pereira
E: educationl@eurospine.org

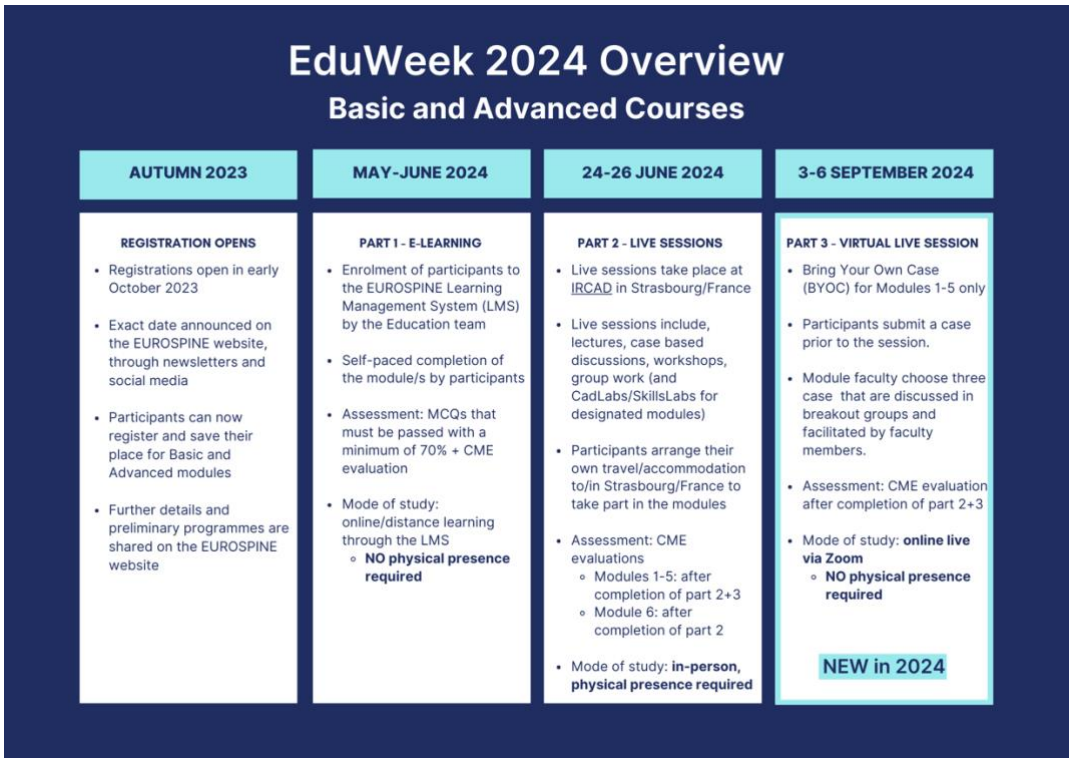
Director of Education and Research
Julie-Lyn Noël
E: noel@eurospine.org

Education and Research Manager
Angelika Salmen
E: salmen@eurospine.org

Module Chairs
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



Quick Facts

DATES & TIMES	**Live session** DAY 1: 24 June 2024 (09:00-17:00 CEST) AND DAY 2 (CadLab): 25 June 2024 (08:00-12:30 CEST) **Virtual live session** 05 September 2024 (15:00-16:30 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	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 9,5 CME credits. 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 CreditsTM. Information on the process to convert EACCME® credit to AMA credit can be found at https://edhub.ama-assn.org/pages/applications. The EduWeek 2024: Advanced Module 1: Extended Indications and Advanced Operative Techniques, Strasbourg, France 24/06/2024 - 05/09/2024, has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 11.5 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity. 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 CreditsTM. Information on the process to convert EACCME® credit to AMA credit can be found at https://edhub.ama-assn.org/pages/applications . 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.
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 2024 on the EUROSPINE Learning Management System (LMS). This component must be completed before the live session.
MODULE COMPLETION	A module is only deemed as complete when participants have met **ALL** of the following conditions: • 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

PART1 - E-learning Programme

(available from May 2024)

Time/Duration	Topic	Faculty
Craniocervical Junction		
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	
Cervicothoracic Junction		
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	
Thoracic Spine		
00:13	Indications and techniques for thoracic disc herniation surgery	Serdar Kahraman
00:18	Indications for en bloc spondylectomy	Haluk Berk

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	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	
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	
Adolescent Idiopathic Scoliosis (AIS)		
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	
Lumbar Degenerative Deformities		
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

DAY 1 24 June 2024	
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 25 June 2024	
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 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)

05 September 2024 15:00 – 16:30 CEST	
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
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 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. Rahnama 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.