

AO Spine Principles Hybrid Course— **Cervical Trauma**

June 10–11,
2021

Ljubljana,
Slovenia

EVENT PROGRAM



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Mission

The AO's mission is promoting excellence in patient care and outcomes in trauma and musculoskeletal disorders.

Purpose statement

The global academic spine community promoting excellence in patient care and outcomes

The AO Spine principles

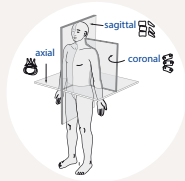
1



Stability

Stabilization to achieve a specific therapeutic outcome

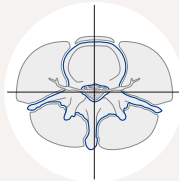
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Alignment

Balancing the spine in three dimensions

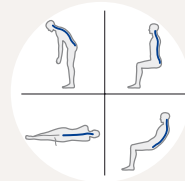
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Biology

Etiology, pathogenesis, neural protection, and tissue healing

4



Function

Preservation and restoration of function to prevent disability

Welcome

Dear Colleagues,

On behalf of AO Spine Europe, we would like to welcome you to the AO Spine course in Ljubljana, Slovenia. This Course is dedicated to Cervical Trauma, a complex and challenging pathology with potentially devastating consequences.

The Course, the focus will be on recognizing, evaluating, and treating cervical spine injuries. The hottest topics of spinal cord injury and treatment will be addressed as well. Every specific case will be assessed and surgically discussed at the hands-on training resembling a real-life scenario.

Although this highly interactive model will have to be adjusted to the COVID restrictions, we will keep the Course as interactive as possible and connect several countries in a unique virtual and personal experience.

We hope to meet in person or virtually soon.

Sincerely



Matjaz Vorsic
Chairperson
University Medical
Center Maribor
Slovenia



Marko Jug
Co-Chairperson
University Medical
Center Ljubljana
Slovenia



Patrick Tropiano
Educational Advisor
Hôpital La Timone
Marseille
France

Course description

The Course will be focused on the basics of cervical spine trauma, from clinical examination and diagnostic procedures to critical evaluation of spinal stability and injury classification, followed by indications for conservative and operative treatment options. Lectures addressing specific spinal pathologies will be followed by discussion and surgical treatment of clinical cases in small groups in the hands-on training.

This interactive model will allow a comprehensive approach to real-life situations. Surgical techniques for spinal decompression, realignment, and fixation in the upper and lower cervical spine, including anterior and posterior approaches, will be discussed and later explored in the hands-on training.

Specific focus will be on spinal cord injury treatment and complication avoidance and management.

During the first part the theoretical information will be provided online by highly experienced faculty. The online lectures will be followed by online breakout sessions.

On the second day, the trainees will have hands-on practical exercises in small groups each delivered in parallel in four hosting hospitals in Poland, Slovakia, Hungary, and Ljubljana.

Target participants

This event is targeted at certified surgeons with 2 to 5 years of experience in spine surgery, who are aiming to further improve their knowledge and/or specialization in the management of cervical trauma and specific techniques.

Learning objectives

At the end of this course, participants will be able to:

- Perform an examination of a patient with cervical trauma
- Determine the appropriate imaging modality
- Classify the upper and subaxial cervical spine lesions according to the AOS principles
- Choose the best operative and nonoperative treatment option for each patient
- Demonstrate basic skills in different surgical techniques related to the treatment of spinal trauma
- Identify and manage possible incidents and complications
- Identify and treat spinal cord injury

Chairpersons



Matjaz Vorsic
University Medical
Center Maribor
Slovenia



Marko Jug
University Medical
Center Ljubljana
Slovenia



Patrick Tropiano
Hôpital La Timone
Marseille
France

Educational Advisor

Regional faculty

Michal Bozik	University Hospital Bratislava - Ruzinov, Bratislava, Slovakia
Martin Holas	FNsP F.D.Roosevelta Banská Bystrica, Slovakia
Juraj Švác	FNsP F.D.Roosevelta Banská Bystrica, Slovakia
Aron Lazary	National Center for Spinal Disorders, Budapest, Hungary
Marton Ronai	National Center for Spinal Disorders, Budapest, Hungary
Robert Veres	National Center for Spinal Disorders, Budapest, Hungary
Stanisław Adamski	Copernicus Hospital, Gdańsk, Poland
Tomasz Potaczek	Jagiellonian University, Zakopane, Poland
Marek Ročlawski	Copernicus Hospital, Gdańsk, Poland

National Faculty

Said Al Mawed	UMC Ljubljana, Ljubljana, Slovenia
Igor Movrin	UMC Ljubljana, Ljubljana, Slovenia
Tominc Uroš	UMC Ljubljana, Ljubljana, Slovenia

Thursday

June 10, 2021

12:30–12:45	Participant registration	
13:00–13:15	Welcome and Introduction to AO Spine	M Vorsic, P Tropiano

Session 1: Cervical spine trauma–The basics

13:15–13:25	Lecture: Cervical spine: Biomechanics and anatomy	M Bozik
13:25–13:35	Lecture: Cervical spine trauma: Initial management, diagnosis, neurological assessment	M Holas
13:35–13:45	Lecture: Imaging of the cervical spine trauma	J Šváč

Session 2: Upper cervical spine injuries

13:45–14:00	Lecture: AO Spine Classification–Upper cervical spine	T Uroš
14:00–14:15	Case examples and group discussion: How to classify?	T Uroš
14:15–14:40	Anterior vs. Posterior approaches vs. conservative treatment- Indications and techniques	S Al Mawed
14:40–14:50	Lecture: Complications Prevention and management	S Al Mawed
14:50–15:15	Case discussions	T Uroš, S Al Mawed

Session 3: Subaxial cervical spine injuries

15:30–15:45	Lecture: AO Spine Classification–Subaxial cervical spine	R Veres
15:45–16:00	Case examples and group discussion: How to classify?	R Veres
16:00–16:20	Lecture: Anterior cervical decompression and fusion (ACDF)/ Corpectomy- indications and technique	M Ronai
16:20–16:35	Lecture: Posterior approaches and instrumentation- indication and techniques	A Lazary
16:35–16:45	Lecture: Complications Prevention and management	A Lazary
16:45–17:15	Case discussions	M Ronai, R Veres, A Lazary

Session 4: Cervical spine trauma: Specific features

17:15–17:30	Lecture: Spinal cord injury	M Jug
17:30–17:40	Lecture: Ankylosing spondylitis	A Adamski
17:40–17:50	Lecture: Osteoporosis	S Adamski
17:50–18:00	Lecture: Pediatric spine	A Adamski
18:00–18:15	Q&A, Closing Day 1	M Vorsic, P Tropiano

Friday

June 11, 2021

Session 5: Hands-on 1

09:00–09:15	Introduction to exercises	all
09:15–10:45	Upper cervical spine injuries	all
10:45–11:15	Coffee break	

Session 6: Hands-on 2

11:15–12:45	Subaxial cervical spine injuries	all
12:45–13:00	Take-home message	

Event organization

AO Spine

Catherine Antonetti
Project Manager
Dübendorf, Switzerland
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AO funding sources

Unrestricted educational grants from different sources are collected and pooled together centrally by the AO. All events are planned and scheduled by local and regional AO surgeon groups based on local needs assessments. We rely on industrial commercial partners for in-kind support to run simulations and/or skills training if educationally necessary.

Event information and logistics

AO Courses Eastern Europe

Jarka Horakova
Phone + (42) 736 68 15 05
E-mail jaroslava.horakova@aocourses.org

Event organization compliance

In certain countries where AO has no office but offers educational events, the AO cooperates with third party companies to conduct local organization and logistics, as well as to communicate with participants in the local language. In these cases, the AO has put rules and guidelines in place to ensure that this cooperation has no impact on the curricula, scientific program, or faculty selection.

General information

Event fee

AO Spine members: EUR 405

Non-members: EUR 450

Included in the course fee are conference bag with documentation, coffee breaks, course certificate

European CME accreditation and Compliance

An application has been made to the UEMS-EACCME® in Brussels for CME accreditation of this event.

An application will be made to MedTech for compliance approval of this event.

Disclosures and conflicts of interest

Disclosure information and potential conflicts of interest (COI) can be viewed at the event webpage: <http://ljubljana2106.aospine.org>

Evaluation guidelines

All AO Spine events apply the same evaluation process, which includes pre- and post-event online evaluation and on-site written questionnaires. These evaluation tools help ensure that AO Spine continues to meet your training needs.

Intellectual property

Event materials, presentations, and case studies are the intellectual property of the event faculty.

All rights are reserved. For more information, please see: www.aofoundation.org/legal.

Recording, photographing, or copying lectures, practical exercises, case discussions, or any event materials is strictly forbidden. Participants violating intellectual property will be dismissed.



The AO Foundation reserves the right to film, photograph, and audio record during its events. Participants must understand that in this context they may appear in these recorded materials. The AO Foundation assumes participants agree that these recorded materials may be used for the AO's marketing and other purposes, and that they may be made available to the public.

Security

Security checks will be conducted at the building entrance. Wearing a name tag is compulsory at all times in the congress center and hospital.

No insurance

The event organization does not take out insurance to cover any individual against accident, theft, or other risks.

Use of mobile phones

Use of mobile phones is not permitted in the lecture halls or in other rooms during educational activities. Please be considerate of others by turning off your mobile phone.

Event language

English

Hygiene guidelines for AO educational events

General protective measures must be observed throughout the event

- Routine cleaning and disinfection of frequently touched surfaces
- Face masks must be worn through the entire duration of the event
- Frequent hand hygiene (when entering and exiting rooms)
- Hand disinfectants must be provided at each door
- Physical distancing of min. 1.5 m between persons at AO events
- Respiratory etiquette (use masks, proper coughing etiquette, etc.)
- Visual reminders of proper measures and etiquette must be placed at doors

At practical-exercise stations

- Personal Protective Equipment (PPE) FFP2 face masks and non-sterile, latex-free examination gloves must be worn by all participants and faculty
- FFP2 (alt. N95) face masks and gloves must be stocked in sufficient numbers, and made available at the entrance of practical-exercise rooms
- All PPE must be disposed of after the end of the practical-exercise session in a dedicated place. New PPE must be used for subsequent sessions
- All instruments must be disinfected (sprayed) after the practical exercise is completed
- Participants re-use the same station for the full duration of the event
- If necessary, adapt the quantity of workstations per table to meet space requirements

Event venues

Slovenia

Medical Chamber of Slovenia
Dunajska cesta 162
Room: Julijana
Ljubljana

Poland

Copernicus Podmiot Lecznicy
Nowe Ogrody 1-6
Gdańsk

Hungary

National Center for Spine Disorder
Királyhágó u. 1-3
Budapest

Slovakia

F. D. Roosevelt University Hospital
Nám. L. Svobodu 1
Banská Bystrica

Sponsors

We thank our major industry partner DePuy Synthes for providing in-kind support, (logistics and material) without which this event would not be possible.



We thank our major industry partner Siemens for providing an unrestricted educational grant for this event.



Principles of AO educational events

1. Academic independence

Development of all curricula, design of scientific event programs, and selection of faculty are the sole responsibilities of volunteer AO network surgeons.

All education is planned based on needs assessment data, designed and evaluated using concepts and evidence from the most current medical education research, and reflects the expertise of the AO Education Institute (www.aofoundation.org).

Industry participation is not allowed during the entire curriculum development and planning process to ensure academic independence and to keep content free from bias.

2. Compliance to accreditation and industry codes

All planning, organization, and execution of educational activities follow existing codes for accreditation of high-quality education:

- Accreditation Criteria of the Accreditation Council for Continuing Medical Education, US (www.accme.org)
- ACCME Standards for Commercial Support: Standards to Ensure Independence in CME Activities (www.accme.org)
- Criteria for Accreditation of Live Educational Events of the European Accreditation Council for Continuing Medical Education (www.uems.eu)

Events that receive direct or indirect unrestricted educational grants or in-kind support from industry also follow the ethical codes of the medical industry, such as:

- Eucomed Guidelines on Interactions with Healthcare Professionals (www.medtecheurope.org)
- AdvaMed Code of Ethics on Interactions with Health Care Professionals (www.advamed.org)
- Mecomed Guidelines on Interactions with Healthcare Professionals (www.mecomed.com)

3. Branding and advertising

No industry logos or advertising (apart from the AO Foundation and its clinical divisions) are permitted in the area where educational activities take place.

Sponsors providing financial or in-kind support are allowed to have a promotional booth or run activities outside the educational area with approval from the event chairperson.

4. Use of technologies and products in practical sessions

In case practical sessions are chosen as an educational method to educate skills, the technologies and products used have been approved or reviewed by the AO Technical Commission—a large independent group of volunteer surgeons developing and peer-reviewing new technology on behalf of the AO Foundation.

Any technology and/or products used in the practical sessions of this event have been found suitable to serve the defined educational purposes.

This does not imply any statement about its use and performance in actual clinical scenarios.

More information on the AO Technical Commission can be found on the AO's website: www.aofoundation.org/tc.

5. Personnel

Industry staff members are not permitted to interfere with the educational content or engage in educational activities during the event.

AO Spine membership

Join our global spine care community



Gain access to numerous privileges, including the most advanced educational programs, a worldwide network of professionals, and the highest quality of research carried out by experts and key opinion leaders in spine care.

Apply

for membership
www.aospine.org



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