

Program

AOSpine Principles Course—Anatomic Principles of Screw Placement of Spinal Fusion

March, 5–6, 2020

Warsaw, Poland



Welcome to Warsaw

Dear Colleagues,

On behalf of AOSpine Europe, we would like to welcome you to the regional AOSpine course intended primarily for participants from the Central and Eastern Europe. The event will be concerned with the anatomic principles of screws placement of spinal fusion. We did our best to assemble only the top-notch faculty with remarkable teaching skills.

The course will also include dry bone workshops to help you master the surgical technique. There will be ample time for discussion with the faculty, exchange ideas with your colleagues concerning all different aspects of the surgical treatment of spinal trauma.

Although this is a principle course, and you are not required to possess significant skills in the field, we strongly encourage you to take an active part in lectures and discussions. In all previous events, the participants were equally important as the faculty in creating a successful experience. Please do bring your own, relevant cases as we will try to make this course intensely interactive, involving every participant.

We invite you to join us in Warsaw, a beautiful, modern and thriving metropolis with a knowledge-based economy. Above all, we look forward to providing you with an exceptional educational experience.

Warm regards,



Grzegorz Miekisiak

Chairperson
Opole
Poland



Alexandre Mushkin

Educational Advisor
St. Petersburg
Russian Federation

AOSpine Curriculum

This educational event carries the AOSpine Curriculum logo. This indicates that the program, content, and objectives have been developed based on the Curriculum framework and that the event meets the implementation criteria defined by the AOSpine Education Commission (AOSEC). For more information, visit www.aospine.org

Course description

The pedicle screws are a cornerstone of modern spinal surgery. Their placement poses a major challenge, and the learning curve is rather steep. This course will address key principles of the spinal fusion: the biology and biomechanics, indications and contraindication for surgery, prevention of complications. But the main emphasis of the course will be on the techniques of placement of screws in all segments of the spine with the help of anatomic principles. A very experienced faculty will provide the participants with useful tips and tricks which will come in handy in daily practice.

This educational event, taught in a modular format, offers you a challenging learning experience with interactive sessions facilitated by faculty teaching in their field of expertise. The course will comprise of evidence-based lectures, practical exercises on dry bones, panel discussions, and debates and will provide sufficient time for discussion between faculty and participants.

Target participants

This event is targeted at the certified surgeons with 2 to 6 years of experience in spine surgery, who are aiming to further improve their knowledge and/or specialization in the placement of screws in all segments of the spine.

Learning objectives

After the event, participants will be able to:

- Understand the biomechanical principles of fusion.
- Perform planning of the surgery based on preoperative imaging.
- Safely place pedicle screws using a free-hand technique in the thoracolumbar spine.
- Be familiar with several bailout techniques when facing complex complications with pedicle screws.
- Understand the advantages and limitations of various techniques of the placement of pedicle screws.
- Realize how to avoid the most common, serious complications

Chairperson

Grzegorz Miekisiak

Opole University Hospital, Opole, Poland

Educational advisor

Alexandre Mushkin

Science-Research Inst. of Phthysiopulmonology
St.-Petersburg, Russian Federation

Regional faculty

Aron Iazary

National Center for Spinal Disorders, Budapest, Hungary

Attila Schwarcz

Olivecrona Alapítvány, Pécs, Hungary

National faculty

Przemysław Kołakowski

Olsztyn, Poland

Tomasz Potaczek

University Hospital, Zakopane, Poland

Rafał Załuski

Medical University of Wrocław, Wrocław, Poland

Guest faculty

Marek Ročlawski

Medical University of Gdańsk, Gdańsk, Poland

Thursday, March 5, 2020

TIME	AGENDA ITEM	WHO
08:00 - 08:30	Participant registration	
08:30 - 08:45	Welcome and Introduction to AOSpine	G Miekisiak; A Mushkin
08:45 - 10:35	Session 1: General aspects of spinal instrumentation	G Miekisiak
08:45 - 09:00	Lecture: Biology and biomechanics of fusion	A Schwarcz
09:00 - 09:15	Lecture: Modern techniques of instrumented fusion	A Mushkin
09:15 - 09:40	Case presentation: TLIF – the simplest case	A Lazary
09:40 - 10:05	Case presentation: Posterolateral fusion	T Potaczek
10:05 - 10:30	Case presentation: Spinal tumor	R Zaluski
10:30 - 10:40	Discussion-Take-home message	G Miekisiak
10:35 - 11:00	COFFEE BREAK	
11:00 - 13:00	Session 2: Anatomical features of Th/L spine	A Schwarcz
11:00 - 11:15	Lecture: The surgical anatomy of lumbar spine	A Lazary
11:15 - 11:30	Lecture: The surgical anatomy of thoracic spine	T Potaczek
11:30 - 12:45	Practical exercise I	all
12:45 - 13:00	Group discussion: Tips and tricks in the TL spine	
13:00 - 14:00	LUNCH BREAK	

Thursday, March 5, 2020

TIME	AGENDA ITEM	Who
14:00 - 18:15	Session 3: Cervical spine	P Kołakowski
14:00 - 14:15	Lecture: The surgical anatomy of the craniocervical junction	R Zaluski
14:15 - 14:30	Lecture: The surgical anatomy of the subaxial spine	P Kołakowski
14:30 - 14:45	Lecture: Inflammatory diseases of the C spine: surgical anatomy (or lack thereof)	T Potaczek
14:45 - 15:00	Case discussion: Cervical spondylotic myelopathy	A Schwarcz
15:00 - 15:15	Case discussion: Inflammatory disease of the cervical spine: instrumented fusion	T Potaczek
15:15 - 15:30	Lecture: Severe cervical spondylotic myelopathy. Surgical approaches	M Roclawski
15:30 - 15:45	Case discussion: Cervical spondylotic myelopathy	P Kołakowski
15:40 - 16:15	COFFEE BREAK	
16:15 - 17:45	Practical exercise II	
17:45 - 17:00	Group discussion: Tips and tricks in the cervical spine	
18:00 - 18:15	Take-home message day 1	G Miekisiak; A Mushkin

Friday, March 6, 2020

TIME	AGENDA ITEM	Who
08:30 - 10:30	Session 4: Pitfalls I	P Kołakowski
08:30 - 08:45	Lecture: Sources of error in lumbosacral spine instrumented fusion	M Roclawski
08:45 - 09:00	Lecture: Potential problems in the thoracic spine surgery	T Potaczek
09:00 - 09:15	Lecture: Challenges in the C spine surgery	P Kołakowski
09:15 - 10:30	Practical exercise III	all
10:30 - 10:45	COFFEE BREAK	
10:45 - 12:45	Session 5: Pitfalls II	M Roclawski
10:45 - 11:00	Lecture: The right fusion for the right patient	A Lazary
11:00 - 11:15	Lecture: Revision strategies for failed fusion	T Potaczek
11:15 - 11:30	Case discussion: Failed fusion	A Lazary
11:30 - 12:45	Practical exercise IV	all
12:45 - 13:00	COFFEE BREAK	
13:00 - 14:00	Session 6: Challenges	A Lazary
13:00 - 13:15	Case discussion: Poor bone quality	R Zaluski
13:15 - 13:30	Case discussion: Crazy anatomy	T Potaczek
13:30 - 13:45	Case discussion: Surgical despair	M Roclawski
13:45 - 14:00	Take-home message	G Miekisiak; A Mushkin

Event organization

AOSpine Europe

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AO funding sources

Unrestricted educational grants from different sources are collected and pooled together centrally by the AO Foundation. 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/skills training if educationally needed.

Event information and logistics

AO Courses Poland

Marta Lowicka
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Email: lowicka.marta@ao-courses.com

Event organisation 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 (Letter of Secondment, AO Foundation—Principles of AO Educational Events) to ensure that this cooperation has no impact on the curricula, scientific program, or faculty selection.

Registration and venue

Registration

AOSpine Members	675 Euros
AOSpine non-Members	750 Euros

Included in registration fee

Conference bag with documentation, coffee breaks, lunch, course dinner and course certificate.

Online registration and payment:

<http://warsaw2003.aospine.org>

Event venue

Radisson Blu Sobieski Hotel, Warsaw
Plac Artura Zawiszy 1
02-025 Warsaw

European CME Accreditation and Compliance

An application will be made to the UEMS-EACCME® for CME accreditation of this event.

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

Evaluation guidelines

All AOSpine events apply the same evaluation process either online (pre- and post- evaluation) or/and on-site by audience system ARS) or paper and pencil questionnaires. This will help us to ensure that we continue to meet your training needs.

AO Foundation—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 surgeons from the AO network. All education is planned based on needs assessment data, designed and evaluated using concepts and evidence from the most current medical education research, and involving 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, USA (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 (advamed.org)
- Mecomed Guidelines on Interactions with Healthcare Professionals (www.mecomed.org)

3) Branding and advertising

No industry logos or advertising (with the exception of the AO Foundation and AO Clinical Division) 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 simulations

If case simulations are chosen as an educational method to educate skills, we only use technology approved by the AOTK System (AOTK)—a large independent group of volunteer surgeons developing and peer-reviewing new technology (more information about AOTK, its development and approval process can be found on the AO Foundation website: www.aofoundation.org).

5) Personnel

Industry staff is not allowed to interfere with the educational content or engage in educational activities during the event.

General information

No insurance: The event organization does not take out insurance to cover any individual against accidents, theft, or other risks.

Security: Access permitted with badge only.

Dress code: Casual

Course language: English

Mobile phone use is not allowed in the lecture halls and in other rooms during educational activities. Please be considerate of others by turning off your mobile phone.

Sponsor

We thank our major industry partner DePuy Synthes for providing in-kind support for this event.



Intellectual property: Course materials, presentations, and case studies are the intellectual property of the faculty. All rights are reserved. Check hazards and legal restrictions on www.aofoundation.org/legal. Recording, photographing, or copying of any course materials is absolutely forbidden. The AO Foundation reserves the right to film, photograph, and audio record during their 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 AO marketing and other purposes, and made available to the public.

AOSpine Webinars 2020 (free for AOSpine members)

AOSpine Masters Webinar—Surgery of spinal tumors

February 20, 2020 | Presenter: Ufuk Aydinli

AOSpine Masters Webinar—Bilateral Decompression of Lumbar Spinal Stenosis via a Monolateral Approach

April 2, 2020 | Presenter: Andreas Korge

AOSpine Principles Webinar—Osteoporotic fractures: state of the art

April 23, 2020 | Presenter: Matti Scholz

AOSpine Principles Webinar—Spondylodiscitis

May 28, 2020 | Presenter: Enrico Pola

AOSpine Webinar avancé—Fractures transversales hautes du sacrum

June 5, 2020 | Presenter: Hugues Pascal-Moussellard

AOSpine Principles Webinar—Craniocervical surgery

July 23, 2020 | Presenter: Massimiliano Visocchi

AOSpine Advanced Webinar—Metastatic spinal cord compression

August 27, 2020 | Presenter: Marko Neva

AOSpine Principles Webinar—MISS in lumbar canal stenosis

September 24, 2020 | Presenter: Richard Assaker

AOSpine Advanced Webinar—Minimal invasive scoliosis surgery

October 22, 2020 | Presenter: Mark Altena

AOSpine Principles Webinar—Sagittal balance in the elderly

November 26, 2020 | Presenter: Patrick Tropiano