

Program

AOSpine Advanced Course— Spinal Deformities

March 26-27, 2020

Sofia, Bulgaria



Welcome to Sofia

Dear colleagues,

On behalf of AOSpine Europe, we would like to warmly welcome you to the AOSpine Advanced Course — Spinal Deformities in Sofia.

Spinal deformities are amongst the most challenging topics in spinal surgery. Congenital scoliosis, early-onset scoliosis, and adolescent idiopathic scoliosis will be in the focus of this course.

How to interpret the clinical and image studies, how to apply the right classifications, and how to make the best therapeutic decisions will be the main topics of the meeting.

We will discuss different principles and advanced surgical techniques, the evidence-based data, the latest insights, and emerging options regarding spinal deformities.

We expect that the planned combination of lectures elucidating the theory, case presentations, real-life examples, and hands-on training will have a high educational impact on the treatment of this demanding pathology.

The success of the course depends not only on the faculty but also on you.

We shall expect very active participation from all the attendees. Questions, discussion, and personal case presentations are more than welcome.

Sincerely yours,



Nikolay Gabrovski

Chairperson
Sofia, Bulgaria



Ufuk Aydinli

Educational Advisor
Bursa, Turkey

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

Congenital scoliosis, early-onset scoliosis, and adolescent idiopathic scoliosis will be in the focus of this course. The participants will become familiar with the anatomical and biomechanical particularity, classification, natural history, conservative, and surgical options for the treatment of these challenging pathologies. Important topics as neuromonitoring, neuronavigation, 3d modeling, and 3d printing will be discussed also.

We have prepared a combination of lectures elucidating the theory, case presentations, real-life examples, and hands-on training with high educational impact.

We wish to have a friendly, interactive, open-minded event with a lot of discussions, different opinions, and brainstorming. All participants are encouraged to bring their interesting clinical cases related to the topic.

Target participants

The course is targeted to certified neurosurgeons or orthopedic surgeons with experience of more than 5 years and specialists interested in the treatment of spinal deformities aiming to improve their knowledge.

Learning objectives

After the event, participants will be able to:

- Understand the classifications of the spinal deformities
- Be familiar with imaging modalities
- Conduct correct clinical examination
- Identify the indications, advantages, disadvantages and potential complications of the conservative treatments
- Identify the indications, advantages, disadvantages and potential complications of the surgical treatment
- Differentiate between the basic, advanced and emerging surgical principles and techniques
- Understand the principles of neuromonitoring, neuronavigation, 3d modeling and 3d printing.

Chairperson

Nikolay Gabrovsky

University Hospital Pirogov, Sofia, Bulgaria

Educational advisor

Ufuk Aydinli

Verom Spine Center, Bursa, Turkey

Regional faculty

Enrico Tessitore

HUG Genève, Geneva, Switzerland

Björn Thomsen

Schoen- Klinik, Neustadt / Holstein, Germany

Patrick Tropiano

Hôpital de la Timone, Marseille, France

National faculty

Nikolay Tivchev

Serdika Hospital Sofia, Sofia, Bulgaria

Vasil Yablanski

Acibadem City Clinic Tokuda Hospital Sofia, Sofia, Bulgaria

Thursday, March 26, 2020

TIME	AGENDA ITEM	WHO
08:30 - 09:00	Participants registration	
09:00 - 09:15	Welcome and Introduction of AO Spine and Faculty	
09:15 - 10:30 Spinal deformities - The basics		
09:15 - 09:35	Lecture: Spinal biomechanics and scoliosis	E Tessitore
09:35 - 09:55	Lecture: Clinical assessment in deformity case and Imaging studies in scoliosis	B Thomsen
09:55 - 10:15	Lecture: Initial management, Diagnosis, Neurologic assessment	U Aydinli
10:15 - 10:30	Discussion	
10:30 - 11:20 Expert lectures		
10:30 - 10:45	Lecture: Conservative vs surgical treatment - indications, contraindication, possibilities	B Thomsen
10:45 - 11:00	Lecture: Strategic vertebrae and fusion- where to start and stop the correction	N Tivchev
11:00 - 11:15	Lecture: Osteotomies and correction maneuvers in scoliosis surgery	P Tropiano
11:15 - 11:20	Take-Home message	
11:20 - 11:45	COFFEE BREAK	
11:45 - 12:45 Adult idiopathic scoliosis		
11:45 - 11:50	Case presentation: Adult idiopathic scoliosis	B Thomsen
11:50 - 12:05	Group discussion	
12:05 - 12:20	Lecture: AIS - Aetiology and Classification	N Tivchev
12:20 - 12:35	Lecture: AIS - Treatment options and strategies	P Tropiano
12:35 - 12:45	Case solution: Adult idiopathic scoliosis	B Thomsen
12:45 - 13:45	LUNCH BREAK	

Thursday, March 26, 2020

TIME	AGENDA ITEM	Who
Practical exercises I		
13:45 - 14:45	Lower cervical spine and cervicothoracic junction. Thoracic spine.	
14:45 - 15:45	Percutaneous posterior pedicle screw fixation	
15:45 - 16:15	COFFEE BREAK	
16:15 - 17:15	Lateral corpectomy, expandable cage, lateral fixation device	
17:15 - 17:30	Day 1 evaluation	N Gabrovsky
19:00 - 21:30	COURSE DINNER	

Friday, March 27, 2020

TIME	AGENDA ITEM	Who
08:30 - 09:30 Early onset scoliosis		
08:30 - 08:35	Case presentation: Early onset scoliosis	E Tessitore
08:35 - 08:50	Group discussion	
08:50 - 09:05	Lecture: EOS - Aetiology and Classification	V Yablanski
09:05 - 09:20	Lecture: EOS - Treatment options and strategies	U Aydinli
09:20 - 09:30	Case solution: Early onset scoliosis	E Tessitore

Friday, March 27, 2020

TIME	AGENDA ITEM	WHO
09:30 - 10:30 Congenital scoliosis		
09:30 - 09:35	Case presentation: Congenital scoliosis	V Yablanski
09:35 - 09:50	Group discussion	
09:50 - 10:05	Lecture: CS - Aetiology and Classification	B Thomsen
10:05 - 10:20	Lecture: CS - Clinical features, management and treatment options.	V Yablanski
10:20 - 10:30	Case solution: Congenital scoliosis	V Yablanski
10:30 - 11:00	COFFEE BREAK	
11:00 - 12:00 Expert lectures		
11:00 - 11:15	Lecture: Spinal balance and Outcome measures in scoliosis surgery	P Tropicano
11:15 - 11:25	Lecture: Spine-sacrum /os ilii instrumental fixation	N Tivchev
11:25 - 11:35	Lecture: Neuromonitoring in scoliosis	E Tessitore
11:35 - 11:45	Lecture: surgery planning, 3d printing and neuronavigation	N Gabrovsky
11:45 - 11:55	Lecture: New techniques and emerging concepts - MIS, dynamic, growing	B Thomsen
11:55 - 12:00	Take-Home message	
12:00 - 12:20	COFFEE BREAK	
12:20 - 14:30	Practical exercises II	
12:20 - 13:20	Percutaneous posterior pedicle screw fixation	
13:20 - 14:20	Lateral corpectomy, expandable cage, lateral fixation device	
14:20 - 14:30	Take-home message	N Gabrovsky; P Tropicano

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 Central Eastern Europe countries

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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 fee

AOSpine Members	531 Euros
AOSpine non-Members	590 Euros

Included in registration fee

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

Online registration and payment:

<http://sofia2003.aospine.org>

Event venue

Bulgarian Red Cross Headquarters

76, James Bourchier Blvd.
1407 Sofia
Bulgaria

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 an unrestricted educational grant and 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