

Event program

# AOSpine Advanced Course— Spinal Trauma

September 14, 2017

Oisterwijk, Netherlands



## Welcome to OISTERWIJK

Dear colleagues,

On behalf of AOSpine Europe we would like to welcome you to this course. In this educational event surgeons from different specialties are gathered to share ideas and thoughts and to deepen their knowledge. The collaboration between neurosurgeons, trauma surgeons and orthopaedic surgeons makes this course unique in the Netherlands.

This year the course is on Advanced level and focuses on spinal trauma. We will discuss traumatic pathologies of the cervical, thoracic and lumbar spine; there will also be a time slot for spinal cord injury. The participants will have the opportunity not only to learn about this from our first-class faculty, but they will also have the opportunity for a “hands-on” practical in selected topics.

We would like to remind you that the success of the course depends not only on the faculty but also on you, the participant. We urge each one of you to take an active part in the lectures and discussions, to ask questions, to raise controversies and to help the program be more interactive and fruitful to all of us. We invite you to enjoy a great course in the Netherlands and, above all, a great educational experience.

Sincerely,



**Mark Altena**

Chairperson  
Hospital OLVG  
Amsterdam, Netherlands



**Patrick Tropiano**

Educational Advisor  
Hôpital TIMONE  
Marseille, France

## 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](http://www.aospine.org)

### Event description

Challenges in the management of spinal trauma have produced some of the major breakthroughs in spine care. This course will address different topics in spinal trauma, such as the management of polytraumatized patients, the emerging role of minimally invasive spine surgery, the treatment of patients with impaired bone structure, and the management of spinal injuries affecting the elderly. New perspectives on spinal cord injury treatment and outcomes measures offer new learning insights for even the experienced surgeon. 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 comprises evidence-based lectures, practical exercises, panel discussions and debates and will provide ample time for discussion.

### Target participants

This event is targeted at neuro surgeons, trauma surgeons and orthopedic surgeons who have finished their training and want to specialize, who are aiming to further improve their knowledge and specialization in the surgical management of spinal trauma and specific techniques.

### Learning objectives

After the event participants will be able to:

- Choose the best operative and non-operative treatment option for each patient
- Prevent and manage the consequences of neurological deficits
- Indicate and perform surgery including risk assessment and avoidance of complications correctly
- Place pedicle screws in the thoracolumbar spine correctly

## Chairperson

Mark Altena

OLVG Hospital, Amsterdam, Netherlands

## Educational advisor

Patrick Tropicano

Hôpital TIMONE, Marseille, France

## National faculty

- Frank Bloemers VU University Medical centre, Amsterdam, Netherlands
- Gert Joan Bouma OLVG Hospital, Amsterdam, Netherlands
- Godard de Ruiter Medisch Centrum Haaglanden, Den Haag, Netherlands
- Moyo Kruyt UMC Utrecht, Netherlands
- Cumhur Oner UMC Utrecht, Netherlands
- Michiel Segers St. Antonius Ziekenhuis, Nieuwegein, Netherlands

## Thursday, September 14, 2017

08:00–08:30	Registration	
08:30–08:40	Welcome and program overview	Mark Altena
<b>Session</b>	<b>Introduction to spinal fractures</b>	<b>Godard de Ruiter</b>
08:40–09:00	Biomechanics of the spinal trauma	Moyo Kruyt
09:00–09:20	Spinal fracture classification	Michiel Segers
09:20–09:40	Imaging in spinal trauma	Cumhur Oner
09:40–09:55	Discussion	Godard de Ruiter
09:55–10:15	COFFEE BREAK	
<b>Session</b>	<b>Case presentations and treatment options</b>	<b>Michiel Segers</b>
10:15–10:20	Case presentation: Type A3 fracture	Gert Joan Bouma
10:20–10:35	Treatment options for spinal fractures type A	Frank Bloemers
10:35–10:40	Case presentation: Type B fracture	Moyo Kruyt
10:40–10:55	Treatment options for spinal fractures type B	Michiel Segers
10:55–11:00	Case presentation: Type C fracture	Gert Joan Bouma
11:00–11:15	Treatment options for spinal fractures type C	Godard de Ruiter
11:15–11:30	Discussion	Michiel Segers
<b>Session</b>	<b>Practical exercises on artificial bones and case discussions</b>	
11:30–11:40	Introduction video Pedicle screw placement in the thoracic and lumbar spine	
11:40–12:40	Group A: Pedicle screw placement in the thoracic and lumbar thoracic spine	All faculty
11:40–12:40	Group B: Case discussions	Cumhur Oner, Gert Joan Bouma
12:40–13:30	LUNCH	

## Thursday, September 14, 2017

Session	Spinal cord injury and post-traumatic disorders	Frank Bloemers
13:30–13:45	The use of methylprednisolone in spinal cord injury	Godard de Ruiter
13:45–14:00	Spinal cord injury—the sequelae	Gert Joan Bouma
14:00–14:15	Post-traumatic kyphosis in thoracolumbar spinal fractures	Moyo Kruyt
14:15–14:30	Discussion	Frank Bloemers
Session	Spinal cord fracture treatment and specialities	Gerrit Bouma
14:30–14:45	Navigation in operative treatment of spinal fractures	Godard de Ruiter
14:45–15:00	Spinal fractures in the osteoporotic bone	Cumhur Oner
15:00–15:15	Spinal trauma in the poly-trauma patient	Michiel Segers
15:15–15:30	Discussion	Mark Altena
15:30–15:50	COFFEE BREAK	
Session	Practical exercises on artificial bones and case discussions	
15:50–16:50	Group B: Pedicle screw placement in the thoracic and lumbar thoracic spine	All faculty
15:50–16:50	Group A: Case discussions	Cumhur Oner, Gert Joan Bouma
16:50–17:10	Demonstration practice of balloon-assisted end plate reduction	Moyo Kruyt
17:10–17:15	Reflections of the chair	Mark Altena

## Event organization

### AOSpine Europe:

Karin Wandschura  
Project Manager  
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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 Nederland

Merijn Werkhoven  
Phone: +31 (0) 33 4560304  
Email: [werkhoven.merijn@ao-courses.com](mailto:werkhoven.merijn@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 fee:

AOSpine Members	Euro 225
AOSpine non-Members	Euro 250

**Included in registration fee:** Conference bag, coffee breaks, lunch, and course certificate.

### Online registration and payment:

<http://OISTERWIJK1709.aospine.org>

### Event venue:

Landgoed de Rosep  
Oirschotsebaan 15  
NL-5062 TE Oisterwijk  
Phone: +31 (0) 13 5232100  
<http://rosep.com/en/>

### CME accreditation and compliance:

An application has been made to GAIA for Dutch CME accreditation of this event. An application will be made to Eucomed for compliance approval of this event.

**Evaluation guidelines:** All AOSpine events apply the same evaluation process with 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](http://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](http://www.accme.org))
- ACCME Standards for Commercial Support: Standards to Ensure Independence in CME Activities ([www.accme.org](http://www.accme.org))
- Criteria for Accreditation of Live Educational Events of the European Accreditation Council for Continuing Medical Education ([www.uems.eu](http://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](http://www.medtecheurope.org))
- AdvaMed Code of Ethics on Interactions with Health Care Professionals ([advamed.org](http://advamed.org))
- Mecomed Guidelines on Interactions with Healthcare Professionals ([www.mecomed.org](http://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](http://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.

**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](http://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.



### 11th AOSpine Advanced Level Live-Training Days—Prevention and Management of Complications in Spine Surgery

Strasbourg, France—September 28 & 29, 2017

Chairperson: Lorin Benneker, Switzerland

Educational Advisor: Giuseppe Barbagallo, Italy

A selected faculty of the highest repute consisting of access, vascular, general, urological and thoracic surgeons will offer participants the opportunity of a supervised live-tissue training on anesthetized pigs. 34 participants per day (two participants, one faculty and one ORP per live surgery table) will receive supervised training on vascular, visceral, ureteral and pulmonary repair techniques.

<http://www.aospine.org/strasbourg>

Register now!