

Event program

# AOSpine Principles Course— Spinal trauma

March 20-21, 2017

Sheffield, UK



## Welcome to Sheffield

Dear colleagues,

On behalf of AO Spine UK we would like to welcome you to the AOSpine Principles course in Sheffield. AOSpine is dedicated to delivering excellent educational events through which surgeons from orthopaedic and neurosurgical backgrounds are encouraged to learn a common language in the treatment of spine trauma. This course is aimed at trainees in both specialities who have an interest in mastering the key concepts in the evaluation and management of spine trauma. The participants will have the opportunity to interact with exceptional faculty experienced in the management of spinal trauma. Factual knowledge gain will be supplemented with hands-on training in the use of implants and techniques to facilitate the operative management of spine trauma. The principles of non-operative management and rehabilitation will also be emphasized. The success of the course relies on you the participants taking an active part in the lectures, discussions and practical sessions.

We will have time allocated for participants to bring your cases for discussion in a friendly open forum.

It may be apt that the course venue “Stainless” Sheffield was noted as early as the 14th century for the production of knives and is nestled very close to the natural beauties of the Peak district national park.

Sincerely,



**Antony Louis Rex Michael**

Chairperson  
Northern General Hospital  
Sheffield  
United Kingdom



**Alpaslan Senkoylu**

Educational Advisor  
Gazi University  
Ankara  
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](http://www.aospine.org)

## Course description

Spine trauma is still quite endemic; appropriate management can reduce the morbidity and even the mortality. The management of spine trauma has driven the design of spinal instrumentation. Advances in metallurgy, minimal invasiveness and navigation make this an exciting and constantly evolving field. There are several challenges to face and hopefully overcome! Polytrauma, elderly trauma and metabolic bone conditions make multidisciplinary team working mandatory!

We hope to make this course educational, challenging and exciting for the participants and faculty alike by promoting excellent interaction between delegates and faculty and also between members of the faculty!

This educational event, taught in a modular format, will comprise of lectures, case-based discussions and hands-on practical exercises with ample time for debates between faculty and participants.

## Target participants

This course is designed for surgeons in training with up to three years experience in the management of patients with spine trauma. It will supplement your existing knowledge with improvement of your diagnostic, investigational and operative skills. We expect delegates to be familiar with all the classifications of the injury patterns and with material available on the AOSpine website.

## Learning objectives

After the course the participants will be able to

- decide on the best non-operative and operative treatment for each patient
- diagnose, prevent and manage any neurological deficits
- classify injury patterns in the cervical and thoracolumbar spine
- safely instrument the cervical and thoracolumbar spine
- plan a rehabilitation pathway for each patient

## Chairperson

Antony Louis Rex Michael Northern General Hospital, Sheffield, United Kingdom

## Educational Advisor

Alpaslan Senkoğlu Gazi University, Faculty of Medicine, Ankara, Turkey

## National faculty

Nigel Gummerson	Leeds General Infirmary, Leeds, United Kingdom
Morgan Jones	Royal Orthopaedic Hospital, Birmingham, United Kingdom
Raman Kalyan	James Cook University Hospital, Middlesbrough, United Kingdom
Jonathan Lucas	Guys and St Thomas Hospital, London, United Kingdom
Darren Lui	Royal National Orthopaedic Hospital, London, United Kingdom
Ravindra Nannapaneni	University Hospital of Wales, Cardiff, United Kingdom
Anant Tambe	Salford Royal Foundation Trust, Manchester, United Kingdom
Pradeep Thumbikat	Sheffield Teaching Hospital, Sheffield, United Kingdom
James Tomlinson	Northern General Hospital Sheffield, United Kingdom

## Monday, March 20, 2017

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13:00–14:00	Registration	
14:00–14:15	Welcome and introduction	Antony Rex Michael, Alpaslan Senkoylu
<b>Session 1</b>	<b>Neurological injury and cervical trauma</b>	<b>Antony Rex Michael</b>
14:15–14:30	Interactive lecture—Spinal trauma with neurological injury	Nigel Gummerson
14:30–14:45	Clinical evaluation of spinal cord injury (SCI)	Raman Kalyan
14:45–15:00	Acute management of SCI	Anant Tambe
15:00–15:30	External immobilisation of the cervical spine	Jonathan Lucas
15:30–16:00	Case discussion—Controversies in cervical trauma surgery	Darren Lui
16:00–16:30	Application of halo and jacket	All faculty
16:30–16:45	COFFEE BREAK	
16:45–17:00	Case studies—Medium to long-term rehabilitation after SCI	Pradeep Thumbicat
17:00–18:00	Group discussion: Controversies in management of CES	Ravindra Nannapaneni
18:00	Summary and close of session	Antony Rex Michael

Tuesday, March 21, 2017

<b>Session 2 Thoracic and lumbar trauma</b>		Jonathan Lucas
08:30–09:30	Group discussion—Thoracolumbar trauma classification: Is new better?	Jonathan Lucas
09:30–10:00	An interesting case of thoracolumbar fracture and management controversies—Open or minimally-invasive surgery?	Nigel Gummerson
10:00–10:30	COFFEE BREAK	
10:30–11:00	Case discussion—Non-operative management of thoracolumbar fractures	Anant Tambe
11:00–11:30	Case discussion—Operative management of thoracolumbar fractures	Darren Lui
11:30–12:00	Case presentation—Minimally-invasive surgery in trauma	Morgan Jones
12:00–13:00	LUNCH	
<b>Session 3 Practical exercises (split in two groups)</b>		All faculty
13:00–14:00	Techniques of cervical instrumentation	All faculty
14:00–15:00	Techniques of thoracolumbar instrumentation	All faculty
15:00–15:30	COFFEE BREAK	
15:30–16:00	Participants' cases discussion	All faculty
16:00–16:30	Summary, questions and answers	Antony Rex Michael
16:30–16:45	Evaluation and take-home message	Antony Rex Michael

## Event organization and general information

### Project manager 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.

**Course 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.

### Event venue

Holiday Inn Royal Victoria Sheffield  
 Victoria Station Road  
 Sheffield, S4 7YE  
 United Kingdom  
 Phone: +44 114 276 8822  
<http://www.holidayinnsheffield.co.uk/>

### Online registration and payment

<http://SHEFFIELD1703.aospine.org>

### Registration fee

AOSpine members	GBP 171.60
AOSpine non-members	GBP 195.00

**Included in registration fee:** Certificate, course materials, lunch on 21 March, coffee breaks, course dinner on 20 March

**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.

**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.

**Course language:** English

**Dress code:** Informal

**Partners:** This event is supported by:  
 - DePuy Synthes (unrestricted educational grant, in-kind support)

**Partner compliance:** An application has been made by DePuy Synthes to Eucomed for compliance approval of this event.