

First Announcement

# AOSpine Advanced Seminar— Intraoperative neuro-monitoring in spinal surgery; Signal interpretation and actions

October 19-20, 2018

Turin, Italy



# Welcome to Turin

Dear colleagues,

On behalf of AOSpine Europe, we welcome you to this seminar, to be held in Turin in 19 and 20 October 2018.

The motto of AOSpine courses and seminars is seldom so valid and centered: "It's never too early or too late to learn". Intraoperative neuromonitoring (IONM) has grown enormously in these last years, as spinal surgery did, given the necessity to become more and more accurate and safer in our work.

In most spinal centers in and outside Europe neuro-monitoring has become a routine, with neurophysiologists involved in the operating rooms to provide real-time assessment of neural structures at risk. Still, many surgeons have a lack of knowledge concerning the evidence-based guidelines for safe and efficacious use of IONM. Moreover, we should not forget the important medicolegal issues connected.

This seminar will offer a critical opportunity for a 2-way discussion between spine surgeons and an experienced faculty in all IONM modality.

As in every AOSpine educational event, participants are invited 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 share this great educational experience.



**Alessandro Longo**  
Chairperson  
S. Giovanni Bosco  
Hospital  
Turin, Italy



**Alessandro Ducati**  
Local Host and  
Chair AOSpine Italy  
University of Turin  
Turin, Italy



**Luca Papavero**  
Educational Advisor  
Schön Klinik  
Hamburg, Germany

## Description of the Event

To enhance the safety of spine surgery, intraoperative neurophysiological monitoring (IONM) has increased in significance, and today has become a must during complex spine surgery, also from a medicolegal point of view.

The format of this seminar is as usual interactive sessions facilitated by faculty teaching in their field of expertise. The course will comprise of evidence-based lectures, practical exercises, panel discussions, and debates and will provide time for discussion between faculty and participants.

## Target Participants

This seminar is targeted at spine surgeons who would like to increase their knowledge in the safe and efficacious use of intraoperative neuro-monitoring.

## Event Objectives

After the event participants will be able to:

- Assess the monitoring modalities for the different spinal procedures
- Integrate the separate goals of surgeon, anesthetist and neurophysiologist in the preoperative sign-in period
- Interpret at basic level the numerous permutations of results offered by IONM during a wide variety of spine surgeries
- Understand the consequences of intraoperative neuromonitoring from a legal point of view

## Proposed Faculty

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|----------------------|--|
| Paolo Costa          | Neurophysiologist, Torino, Italy             |
| Vedran Deletis       | Neurophysiologist, Croatia                   |
| Reza Ghadirpour      | Neurosurgeon, Reggio Emilia, Italy           |
| Gian Luca Isoardo    | Neurologist, Torino, Italy                   |
| Carola Vera Junemann | Neurophysiologist, Torino, Italy             |
| Karl Kothbauer       | Neurosurgeon, Lucerne and Basel, Switzerland |
| Francesco Sala       | Neurosurgeon, Verona, Italy                  |
| Gianluigi Zona       | Neurosurgeon, Genova, Italy                  |

# Overview

**Friday, October 19, 2018, 8.30 - 17.30**

**Saturday, October 20, 2018, 8.30 - 15.00**

- IONM in spine surgery—A surgeon's point of view
- IONM in spine surgery—A neurophysiologist's point of view
- Monitoring modalities: somatosensory-evoked potentials
- Monitoring modalities: motor-evoked potentials (CMAP, CNAP, D-wave, I-wave)
- Monitoring modalities: free running and triggered EMG
- At a glance: waveform interpretation
- Hands-on workshop
- Deformity surgery
- Tethered cord
- Injured spinal cord
- Intramedullary tumors
- Extramedullary tumors
- Minimally-invasive surgery
- Cervical myelopathy
- Medico-legal issues
- New perspectives

# Project Manager

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## Information and Registration

**Online:** <http://TURIN1810.aospine.org>

### **Course fee**

AOSpine members                      324 Euro  
AOSpine non-members                      360 Euro

### **Language**

English

### **Included in registration fee**

Certificate, course bag, lunch & coffee breaks, course dinner

### **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 Eucomed for compliance approval of this event.

### **Venue**

Doubletree by Hilton Turin Lingotto  
Via Nizza 230  
IT- 0126 Turin  
Phone: +39 011 6642781  
<http://doubletree3.hilton.com/en/hotels/italy/doubletree-by-hilton-turin-lingotto-TRNTLDI/index.html>