

# IONM IN SPINAL SURGERY



**22<sup>nd</sup> and 23<sup>rd</sup> May, 2025**



English



Online & Heidelberg  
Orthopaedic Department of University Hospital of  
Heidelberg, Schlierbacher Landstraße 200A



Medical doctors, Neurophysiologists, Surgical staff in  
the field of IONM in orthopaedic surgery



Baden-Württemberg Medical Association (will be applied for)  
DIW MTA e.V (will be applied for)  
Ethical Medtech (will be applied for)

## Course Directors

### **Stefan Hemmer, MD**

Head of Spine Surgery, Clinic for Orthopedic and  
Trauma Surgery, Heidelberg University Hospital

### **David B. MacDonald, MD, FRCPC, ABCN**

Scientific Director, ARKANA Forum GmbH  
Emmendingen, Germany



## Topics

- IONM basics
- IONM related anesthesiological aspects
- Practical experience using the system (hands-on)
- Signal interpretation in spinal surgery



## Speakers

### **Barbara Bischoff, MD**

Clinic for Neurosurgery  
Hospital Sozialstiftung Bamberg,  
Germany

### **Franz Reichel, MD**

Clinic for Orthopedic and Trauma Surgery  
Heidelberg University Hospital,  
Germany

### **Harald Winkler, MD**

Clinic for Anesthesiology  
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### **Wojciech Pepke, MD**

Clinic for Orthopedic and Trauma Surgery  
Heidelberg University Hospital,  
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### **Vizmary Montes Peña, MD**

Division of Neurology  
National Guard Health Affairs Riyadh,  
Saudi Arabia

### **Marianella Campos Friz, MD**

Medical Director,  
Arkana Forum GmbH, Emmendingen,  
Germany



**Scan to register**

# PROGRAM

## Day 1

Welcome & Warm-Up
IONM methods for orthopedic spinal surgery
IONM during scoliosis and kyphosis corrections
Electrode placement and system setup workshop
IONM signal interpretation during spinal surgery
<i>Break Incl. industry exhibition / workshops</i>
Spinal surgery and IONM for young children
Application of IONM in spinal surgery - Case discussion
Anesthesia for complex spine surgery and IONM
Preparation of shadowing and video demonstration

## Day 2

Face-To-Face Participants: Operation Room Visit
<b>Shadowing of a spinal surgery with IONM Electrode placement, system setup, surgical procedure, intraoperative communication, and signal interpretation</b>
Online Participants: Video Demonstration
<b>Video demonstration of a spinal case with application of IONM from electrode placement to signal interpretation and troubleshooting</b>
Closing Remarks

## Course fee: Hybrid course

**On-Site:** 650 EUR excl. VAT

**Online:** 570 EUR excl. VAT

## Sponsoring

**inomed** 

### Sponsoring service

inomed Medizintechnik GmbH  
Value: 1.000 EUR (exkl. VAT.)

**incu**   
inomed Neurocare Unit

### Sponsoring service

iNCU GmbH  
In-kind contribution worth 1.500 EUR

**Johnson & Johnson  
MedTech**

### Sponsoring service

Johnson & Johnson Medical GmbH  
Value: 2.100 EUR (exkl. VAT)

## Conditions of payment/registration

Accommodation and travelling expenses are not covered by the course fee. The registration fee is to be paid 2 weeks in advance - please note that participation is not granted unless payment has been made in full. On receipt of your registration, you will receive a confirmation and invoice by email.

In case of cancellation we will refund the registration fee, deducting an administration fee of 50,00 EUR, if we receive this information not later than 2 weeks prior to the course. We reserve the right to charge participation fee in full, if the cancellation is received later or if the participant does not attend the course.

Data protection is very important to us. The data provided with your registration will be used to inform you on organizational topics of this event and to keep you updated on further courses. Your data will not be passed on to a third party outside the inomed group. In case you do not wish to receive further information, please let us know.

