

## THURSDAY, 20<sup>TH</sup> OF JULY 2023

08:30	-	09:00	Registration	
09:00	-	09:30	Welcome & Warm-Up	Wegner
09:30	-	10:15	IONM methods for orthopedic spinal surgery	Bischoff
10:15	-	11:00	IONM during scoliosis and kyphosis corrections	Hemmer
11:00	-	11:15	Break	
11:15	-	12:15	Electrode placement and system setup <i>Workshop</i>	Bischoff, MacDonald, Campos
12:15	-	13:00	IONM signal interpretation during spinal surgery	MacDonald
13:00	-	14:15	Break <i>Incl. industry exhibition / workshops</i>	
14:15	-	15:00	Spinal surgery and IONM for small children	Montes Peña - online
15:00	-	15:45	Application of IONM in spinal surgery – Case discussion	Pepke
15:45	-	16:00	Break	
16:00	-	16:45	Anesthesia for complex spine surgery and IONM	Winkler
16:45	-	17:15	Preparation of shadowing and video demonstration	Hemmer
17:15	-	17:30	Closing Remarks	Wegner

*All times in the program refer to the time zone CET!*

FRIDAY, 21<sup>ST</sup> OF JULY 2023

## FACE-TO-FACE PARTICIPANTS: OR SHADOWING

07:30 - 15:00 Shadowing of a spinal surgery with IONM  
Electrode placement, system setup, surgical procedure,  
intraoperative communication, and signal interpretation  
Hemmer, Pepke,  
Campos

## ONLINE PARTICIPANTS: VIDEO DEMONSTRATION

09:00 - 13:00 Video demonstration of a spinal case with IONM  
Application of IONM from electrode placement to signal  
interpretation and troubleshooting  
MacDonald,  
Bischoff, Wolf

## COURSE DIRECTOR

**Stefan Hemmer, MD**  
Head of Spine Surgery  
Clinic for Orthopedic and Trauma Surgery  
Heidelberg University Hospital  
Germany

**David B. MacDonald, MD, FRCPC, ABCN**  
Scientific Director  
ARKANA Forum GmbH  
Germany

## INVITED SPEAKERS

**Barbara Bischoff, MD**  
Clinic for Neurosurgery  
Hospital Sozialstiftung Bamberg  
Germany

**Wojciech Pepke, MD**  
Clinic for Orthopedic and Trauma Surgery  
Heidelberg University Hospital  
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**Harald Winkler, MD**  
Clinic for Anesthesiology  
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**Marianella Campos Friz, MD**  
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**Matthias Wolf, MD**  
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**Vizmary Montes Peña, MD**  
Division of Neurology  
National Guard Health Affairs Riyadh  
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## E-LEARNING

**Michelle Henne**  
E-Learning Management  
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## HOST

**Celine Wegner**  
Medical Education  
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