



Multimodal Intraoperative Neuromonitoring in the field of  
ENT, Orthopedics, Neurosurgery, Neurology and Anaesthesia  
for physicians, clinical neurophysiologists and theatre staff

September 13th and 14th, 2010

Venue: ARKANA Forum für Kommunikation, Emmendingen

In cooperation with the Neurosurgical Department of the Albert-Ludwig University (J. Zentner MD PhD),  
Freiburg, Germany

**Programme**  
(subject to alterations)

Monday, 13th September 2010

9:00	-	9:30	Registration	
9:30	-	9:35	Welcome	R. Mattmüller, inomed
9:35	-	9:55	IONM- and technical basics, summary of applications	R. Mattmüller, inomed
9:55	-	10:25	Neuromonitoring in thyroid surgery	J. Jonas MD PhD, Frankfurt
10:25	-	10:55	Introduction and general aspects of IONM	J. Zentner MD PhD, Freiburg
10:55	-	11:25	Intraoperative neurophysiology - overview	V. Deletis MD PhD, New York
<b>11:25</b>	-	<b>11:40</b>	<b>Coffee break</b>	
11:40	-	12:10	Cranial nerve monitoring in neurosurgery	S. Rosahl MD PhD, Freiburg/Erfurt
12:10	-	12:40	Multimodal monitoring in neurosurgeries: strategies to monitor the central region	A. Szelényi MD PhD, Frankfurt
<b>12:40</b>	-	<b>13:40</b>	<b>Lunch</b>	
13:40	-	14:40	<u>Workshop I:</u> EMG monitoring of laryngeal recurrent nerve, electrode placement on phantom and setup of the IONM system for cranial nerve monitoring, transcranial and cortical stimulation, EMG, AEP, MEP monitoring and cortical mapping	R. Sircar MD: case presentation Ref. group
14:40	-	15:10	IONM - Anaesthesiological considerations	M. Malcharek MD, Leipzig
<b>15:10</b>	-	<b>15:25</b>	<b>Coffee break</b>	
15:25	-	15:45	Scoliosis and pedicle screw monitoring	J. Shils MD PhD, Boston
15:45	-	16:05	Transcutaneous pedicle screw monitoring	R. Sircar MD, Freiburg
16:05	-	16:25	Discussion	
<b>16:25</b>			<b>End of first day</b>	
<b>20:00</b>			<b>Dinner</b>	



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Tuesday, 14th September 2010

9:00	-	10:00	<u>Workshop II:</u> Electrode placement on phantom and setup of the IONM system for pedicle screw testing and SEP, MEP	Ref. group
10:00	-	10:30	How to start IONM in Neurosurgery	K. Seidel, MD, Bern
10:30	-	11:00	Methodology and clinical utility of the IOM of the corticobulbar pathways	I. Fernandez-Conejero MD, Barcelona
<b>11:00</b>	-	<b>11:15</b>	<b>Coffee break</b>	
11:15	-	11:45	Monitoring during brainstem surgery and D-wave recording during spinal tumor resection	K. Kothbauer MD, Lucerne
11:45	-	12:45	<u>Workshop III:</u> IONM setup for spinal procedures: SEP, MEP, D-wave and peripheral nerve monitoring	
<b>12:45</b>	-	<b>13:45</b>	<b>Lunch</b>	
13:45	-	14:05	New developments and special accessories for special applications	D. Benz, inomed
14:05	-	14:20	Interface to microscope: Direct monitoring view for neurosurgeons	A. Schaper, inomed
14:20	-	14:40	Final discussion	
14:40	-	15:40	<u>Workshop IV:</u> 1. ISIS-Pentero interface 2. Screen video documentation 3. Workshop on demand 4. Discussions, special cases, special questions	Ref. group
			<b>Coffee break - parallel to workshop IV</b>	
<b>15:40</b>			<b>End of course</b>	