

Multimodal Intraoperative Neuromonitoring

for medical doctors, neurophysiologists and theatre staff
in the field

of neurosurgery, neurology, spine-, orthopaedic-
and neuropaediatric surgery and anaesthesia

17th until 19th March 2019

ARKANA  FORUM

Emmendingen, Germany

PROGRAMME

(subject to alterations)

Sunday, 17th March 2019

16:00	-	16:30	<i>Registration</i>
16:30	-	16:45	Welcome
16:45	-	17:15	History of neuromonitoring From first neurophysiologic recording to modern neuromonitoring methods
17:15	-	17:55	Introduction to multimodal neuromonitoring Basics of IONM and overview of state of the art
17:55	-	18:10	<i>Coffee break</i>
18:10	-	19:00	Technical basics of IONM Terminology, basics of stimulation and recording, filters
19:00	-	19:30	Workshop Get to know the IONM system and accessories
19:30	-	22:30	<i>Get - together</i>

Monday, 18th March 2019

8:30	-	9:30	Anatomy and physiology for IONM Relevant structures and pathways
9:30	-	10:30	IONM - Anesthesiological considerations Basics of anesthesia and influence on IONM
10:30	-	10:50	<i>Coffee Break</i>
10:50	-	11:50	IONM during correction of spinal deformities MEP, SEP, EMG of spinal nerves
11:50	-	12:40	IONM during spinal cord surgeries D-Wave and MEP
12:40	-	13:40	Lunch Buffet
13:40	-	13:55	Intraoperative mapping of the spinal cord Identification of the corticospinal tract and dorsal column
13:55	-	14:35	IONM during spinal surgeries Case presentation and discussion
14:35	-	15:20	Workshop Electrode placement and system setup for spinal surgery case studies
15:20	-	16:20	IONM during supratentorial surgeries MEP and SEP in cranial surgeries, phase reversal
16:20	-	16:40	<i>Coffee Break</i>

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16:40	-	17:20	Dynamic subcortical mapping Identification of the corticospinal tract
17:20	-	18:15	IONM during brainstem surgeries CoMEP, EMG of cranial nerves, AEP
19:30			<i>Social evening with dinner</i>

Tuesday, 19th March 2019

8:30	-	9:15	IONM during cranial surgeries Case presentation and discussion
9:15	-	10:15	Workshop Electrode placement and system setup for cranial surgery case studies
10:15	-	10:35	<i>Coffee break</i>
10:35	-	11:20	IONM during selective dorsal rhizotomy Method and application of neuromonitoring
11:20	-	11:50	Workshop Pitfalls and Troubleshooting in the OR
11:50	-	12:05	<i>Break</i>
12:05	-	12:50	Monitoring of sexual function First experiences in urological surgery
12:50	-	13:00	Certificates and Farewell
13:00	-	14:00	<i>Lunch</i>

Couse director:

Andrea Szélényi, MD PhD

Neurosurgical Clinic of the University of Munich
Campus Grosshadern, Germany

Invited Speakers:

Marianella Campos Friz, MD

University Hospital Freiburg
Germany

Karl F. Kothbauer, MD PD

Luzerner Kantonsspital
Switzerland

Guillermo Martin Palomeque, MD

Hospital Universitario Ramón y Cajal
Madrid, Spain

Kathleen Seidel, MD

Inselspital Bern
Switzerland