

# ARKANA FORUM

MEDICAL EDUCATION CENTER

18<sup>th</sup>-19<sup>th</sup> March 2024



HYBRID COURSE

## IONM IN NEUROSURGERY

[www.arkana-forum.com](http://www.arkana-forum.com)



Dear colleagues and friends,

It is our great pleasure to invite you to our course "IONM in Neurosurgery".

In this course you will get to know the basics of the latest IONM techniques and their application during neurosurgical procedures. Learn from and engage with renowned experts from the field and apply your new knowledge directly in case discussions and workshops.

Due to the hybrid format of the course, you can choose to travel to Emmendingen or participate online. Either way, you will benefit from our interactive and practice-oriented course concept.

The course is especially designed for medical doctors and medical-technical assistants. Whether you are already experienced in IONM and interested in improving your skills, or you are completely new to IONM, you will benefit from the program. Beginners can learn the basics of IONM through self-study courses.

Please note our adjunct course „IONM Advanced in Brainstem Surgery“ which will take place subsequent on the Wednesday and Thursday of the same week in Heidelberg.

We are looking forward to sharing our knowledge with you and welcoming you in Emmendingen or online!

Sincerely yours,

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

**Uni.-Prof. Sandro Krieg MD, MBA**  
Chair, Department of Neurosurgery  
Heidelberg University Hospital, Germany

## MONDAY, 18<sup>TH</sup> MARCH 2024

*ALL TIMES IN THE PROGRAM REFER TO THE TIMEZONE  
CENTRAL-EUROPEAN-TIME (CET).*

### Introduction & General Aspects

08:30 am Welcome & Warm-up

09:00 am Introduction to IONM

### Block I - IONM General Topics

09:30 am Preoperative Mapping for Supratentorial  
Cases

10:15 am **B R E A K**

10:30 am Optimization and Warning Criteria for MEP

11:15 am Optimization and Warning Criteria for SEP

12:00 am **B R E A K**

12:15 am Safety of IONM

01:00 pm Group Work

01:30 pm **Lunch**

02:30 pm Group Work - Continued

### Block II - IONM during Spinal Cases

03:00 pm IONM for Extramedullary Spinal Cases

03:45 pm **B r e a k**

04:00 pm IONM for Intramedullary Tumors

04:45 pm Group Work

05:30 pm End of the first day

07:30 pm Social Event

# TUESDAY, 19<sup>TH</sup> MARCH 2024

09:00 am Welcome & Warm-Up

## Block II - IONM during Spinal Cases - Continued

09:15 am IONM during Spinal Cases in Small Children

## Block III - IONM in Brain Surgery

10:00 am Intraoperative Mapping during Supratentorial Cases

10:45 am **B R E A K**

11:00 am New Developments in Monitoring and Mapping the Visual System

11:45 am Infratentorial Mapping and Monitoring

12:30 am Group Work

01:30 pm **L u n c h**

02:30 pm New Developments in Reflex Monitoring for Infratentorial Cases

03:15 pm Group Work

04:15 pm Closing remarks

04:45 pm End of Course

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## COURSE DIRECTOR

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

**Uni.-Prof. Sandro Krieg MD, MBA**  
Chair, Department of Neurosurgery  
Heidelberg University Hospital, Germany

## INVITED SPEAKERS

- **Prof. Andrea Szelényi, MD, PD**  
Neurosurgical Clinic  
University of Munich, Campus Grosshadern,  
Germany
- **Prof. Kathleen Seidel, MD, PD**  
Department of Neurosurgery  
Inselspital Bern University Hospital  
Switzerland
- **Colette Boex, PhD**  
Neurosurgery  
Geneva University Hospital  
Switzerland
- **Vizmary Montes Peña, MD**  
Division of Neurology  
National Guard Health Affairs Riyadh  
Saudi Arabia
- **Sebastain Ille, MD**  
Department of Neurosurgery  
Heidelberg University Hospital  
Germany

## HOST

- **Marianella Campos Friz, MD**  
Medical Director  
ARKANA Forum GmbH  
Germany

## E-LEARNING

- **Michelle Henne**  
E-Learning Management  
ARKANA Forum GmbH  
Germany

## IN THIS COURSE YOU'LL LEARN

- Newest methods and application of IONM
- IONM for spinal, supratentorial, and infratentorial cases
- Signal interpretation and troubleshooting
- Performing IONM by means of case studies
- Electrode placement and setup of the IONM system in hands-on workshops

## TARGET GROUP

- Medical doctors, neurophysiologists, and surgical staff in the field of neuro-, orthopedic, neuropediatric surgery and anesthesia

## FORMAT

- Hybrid (Online & Face-to-face course)

## CERTIFICATION

- Baden-Württemberg Medical Association (applied for)

### Online-Registration

To register, please use the booking form on our website:

<https://www.arkana-forum.com/en/>

### Course fees: Hybrid course

850,00 EUR excl. VAT face-to-face course

750,00 EUR excl. VAT online

### 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.

### Accreditation

CME accreditation will be applied for at the Medical Association Baden-Württemberg.

DIW MTA e.V (will be applied for)

### Course venue

ARKANA Forum GmbH  
Medical Education Center  
Im Hausgrün 29  
79312 Emmendingen  
Germany

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.

# Nexstim

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## inomed

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