

ARKANA FORUM

MEDICAL EDUCATION CENTER

07th-08th March 2022



HYBRID COURSE

IONM IN NEUROSURGERY

www.arkana-forum.com



Dear colleagues and friends,

It is my 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.

Adapted to the current situation, the course will offer a hybrid format: You can decide whether you want to come to Emmendingen or take part just online. Both formats will offer you an optimal learning experience.

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 programme. Beginners can learn the basics of IONM through E-Learning modules.

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

MONDAY, 07TH MARCH 2022

Introduction

- 08:30 Registration (on-site)
- 09:00 Welcome
- 09:10 Introduction to IONM

Block I - IONM during spinal cases

- 09:40 Monitoring methods of IONM during spinal cases
SEPs, MEPs, D-waves, EMG
- 10:25 Coffee break
- 10:45 Mapping methods of IONM during spinal cases
Dorsal columns and corticospinal tracts
- 11:30 IONM for pediatric spinal neurosurgery
Tethered cord and spinal tumors
- 12:15 Lunch break
- 01:15 Group work - Spinal case discussions
- 02:15 Coffee break

Block II - IONM during supratentorial cases

- 02:45 Monitoring during supratentorial cases
MEPs, D-waves, SEPs, EEG
- 03:30 Mapping during supratentorial cases
SEP and cortical / subcortical MEP mapping
- 04:15 Coffee break
- 04:30 Awake craniotomy

TUESDAY, 08TH MARCH 2022

Block II - IONM during supratentorial cases

- 09:00 Anesthesia and IONM
- 09:45 Group work -
Supratentorial case discussions
- 10:45 Coffee break

Block III - IONM in vascular surgery

- 11:00 IONM of thoracoabdominal aortic aneurysm repair
- 11:45 IONM of carotid endarterectomy
- 12:30 Lunch break

Block IV - IONM during infratentorial cases

- 01:45 Cranial nerve mapping and monitoring
- 02:30 Brainstem mapping and monitoring
- 03:15 Coffee break
- 03:30 Safety of IONM
- 04:15 Group work - Infratentorial case discussions
- 05:15 Closing remarks

COURSE DIRECTOR

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

INVITED SPEAKERS

- **Andrea Szelényi, MD, PD**
Neurosurgical Clinic
University of Munich, Campus Grosshadern, Germany
- **Kathleen Seidel, MD, PD**
Department of Neurosurgery Inselspital Bern University
Hospital, Switzerland
- **Isabel Fernandez-Conejero, MD**
Department of Intraoperative Neurophysiology Hospital
Universitari de Bellvitge, Spain
- **Michael Malcharek, MD, PD**
Division of Neuroanesthesia &
Intraoperative Neuromonitoring
Klinikum St. Georg, Leipzig, Germany
- **Francesco Sala, MD**
Section of Neurosurgery
University of Verona, Italy

IN THIS COURSE YOU'LL LEARN

- Anatomy and physiology for IONM
- Technical basics of IONM
- Anaesthesiological aspects of IONM
- IONM during spinal and cranial surgeries
- Newest methods and applications of IONM
- Needle placement and system setup in hands-on workshops

TARGET GROUP

- Medical doctors, neurophysiologists, and theatre staff in the field of neuro-, orthopaedic, neuropaediatric surgery and anaesthesia

FORMAT

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

CERTIFICATION

- 16 CME credits Baden-Württemberg Medical Association (has been applied for)

Online-Registration

To register, please follow the link below:

<https://www.arkana-forum.com/en/produkt/2022-ionm-in-neurosurgery/>

or:

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

Course fees: Hybrid course

757,00 EUR excl. VAT face-to-face course

657,00 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 25,00 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.

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 exclusively 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.

Accommodation

Hotels where we have discounted conditions:

Courtyard by Marriot Freiburg

By phone: +49 761 6004 8000

E-mail: reservations@bslfr.net

Cityhotel Freiburg

By phone: +49 761 38 80 70

E-mail: info@cityhotelfreiburg.de

Park Hotel Post

By phone: +49 761 385480

E-Mail: info@park-hotel-post.de

More information will follow after your registration.



Sponsoring service

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