

COURSE PROGRAM 2024



ICON KEY



FACE TO FACE EVENT



ONLINE EVENT



HYBRID EVENT



E-LEARNING



TARGET GROUP



OR SHADOWING



LANGUAGE



COURSES IN ENGLISH



Physicians and surgical staff



18th - 19th March 2024

IONM IN NEUROSURGERY

- Most recent methods and applications of intraoperative neuromonitoring
- IONM during spinal, supratentorial, and infratentorial interventions
- Planning and performing IONM based on case studies
- Electrode placement and setup of an IONM system



Physicians and surgical staff



20th - 21st March 2024

IONM ADVANCED IN BRAINSTEM SURGERY

- IONM techniques for brain stem surgery & signal interpretation
- Advanced methods of reflex monitoring
- Application of IONM methods for function-controlled surgery
- Practical use of the IONM as part of a job shadowing



COURSES IN ENGLISH



Physicians and surgical staff



27th - 28th June 2024

IONM IN SPINAL SURGERY

- IONM basics with regards to technologies, applications and innovations
- EMG neuromonitoring with pedicle screws
- SEP and MEP monitoring during scoliosis operations and kyphosis correction
- IONM and related anaesthesiological aspects
- Signal interpretation (EMG, MEP, SEP) in spinal surgery



Physicians



21st - 22nd October 2024
(expected)

FUNCTIONAL NEUROSURGERY

- Stereotactic application in neurosurgery
- Microelectrode recording and test stimulation for target point navigation
- Lesioning methods: Indications, application, advantages, and disadvantages
- Practical knowledge for the implementation



COURSES IN ENGLISH



Physicians



07th - 08th March 2024 &
19th - 20th September 2024

IONM IN THYROID SURGERY

- Basics of intraoperative neuromonitoring
- Intermittent and continuous IONM
- Causes of function-related signal changes
- Documentation of IONM
- (Auto-)fluorescence imaging of the parathyroid glands



Physicians and surgical staff



21st February - 26th June 2024
On Wednesdays @ 4pm (CET)

IONM ONLINE SYMPOSIUM

- Technical basics
- Safety in IONM
- Troubleshooting
- Neurophysiological basics for IONM
- Introduction to the basic IONM methods



COURSES IN GERMAN



Physicians and surgical staff



16th - 17th September 2024

IONM IN NEUROSURGERY

- Most recent methods and applications of intraoperative neuromonitoring
- IONM during spinal, supratentorial, and infratentorial interventions
- Planning and performing IONM based on case studies
- Electrode placement and setup of an IONM system



Surgical staff



11th - 12th November 2024

IONM FOR SURGICAL STAFF

- Basics of intraoperative neuromonitoring
- IONM during spinal, supratentorial, and infratentorial interventions
- Stimulation and recording techniques
- Tips and tricks
- Electrode placement and setup of an IONM system



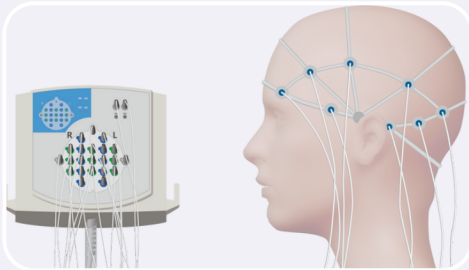
E-LEARNING COURSES



Medical staff
interested in IONM

TECHNICAL BASICS

- Electrotechnical basics
- Electrical stimulation & Neurophysiological signal recording
- Analysis of neurophysiological signals
- Sources of electrical interference in the operating theatre
- Components and accessories



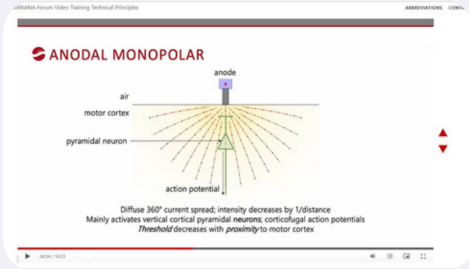
Medical staff
interested in IONM

MODALITIES – EEG, AEP, COMEP, MAPPING

- Electroencephalography (EEG)
- Acoustic evoked potentials (AEP)
- Corticobulbar motor evoked potentials (CoMEP)
- Motor mapping and phase reversal
- Neuromonitoring strategy



E-LEARNING COURSES



Medical staff
interested in IONM

TECHNICAL PRINCIPLES

- Technical principles of recording
- Fundamentals of electrical stimulation
- Application of both to achieve high-quality results

more to come...



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MEDICAL EDUCATION CENTER



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