


ARKANA FORUM

MEDICAL EDUCATION CENTER

 29th–30th November 2024

THE LONDON COURSE:
**IONM &
BRAIN MAPPING IN
NEUROSURGERY**

Face-to-face course 

LONDON
King's College Venues 

www.arkana-forum.com



Dear Colleagues,

it is our pleasure to invite you to attend the **“IONM and Brain Mapping in Neurosurgery: the London Course”**, addressed to doctors and health professionals involved in neurosurgery, intraoperative neurophysiology and anaesthesia.

Our Course focuses on the patient’s journey, starting on the first day with pre-operative imaging and functional mapping with a review of fMRI, navigated Transcranial Magnetic Stimulation (nTMS) and tractography. We will then focus on the basic aspects of IONM, covering the different modalities of brain, cranial nerves and spine mapping and monitoring. The second day will be dedicated to the clinical applications in operative neurosurgery, covering supratentorial, brainstem and spinal surgery.

As in previous editions, we apply an integrated approach combining lectures delivered by experts in the field, with hands-on sessions where participants can put into practice what they have learnt. These will include the opportunity to practice nTMS and simulate IONM scenarios, with plenty of opportunities for clinical case discussions.

We are looking forward to welcoming you to London,

Mr. Francesco Vergani, MD, FRCS
Consultant Neurosurgeon
King’s College, London

Mr. Pietro D'Urso, MD, FRCS
Consultant Neurosurgeon
Salford Royal NHS Hospital

PROGRAM

Friday, 29th November 2024

<i>BLOCK 1 – Imaging and Preoperative Functional Mapping</i>
Imaging and visualization of functional areas with fMRI
Preoperative Mapping: TMS and Motor Function
Preoperative Mapping: TMS and Language Function
Tractography: what you can and cannot do
<i>BLOCK 2 – Basic Aspects of IONM</i>
Introduction to IONM
Anesthesia and IONM
Monitoring Modalities in IONM: SEP, MEP, BAEP, VEP
Mapping Modalities in IONM: DNS, Phase Reversal, CST-Mapping, Dorsal Column
Innovation in brain mapping applied to neurosurgery: what is new?
<i>Hands-on Sessions</i>
<i>- IONM Workshop: Evoked Potentials, Mapping</i>
<i>- nTMS Workshop: Motor Mapping</i>
<i>- Clinical cases discussion: mini round tables</i>

Saturday, 30th November 2024

<i>BLOCK 3 – Clinical Applications</i>
Spine and Spinal Cord Surgery
Posterior fossa and Brainstem Surgery
Integrated preoperative and intraoperative mapping in supratentorial surgery
Anatomo-functional approaches to brain tumours: How I do it
<i>New Concepts in applied Neurosurgery</i>
Connectivity studies: cortico-cortical evoked potentials
Brain Connectivity and Function
<i>Hands-on Sessions</i>
<i>- How I do Spinal Mapping, How I do Reflexes</i>
<i>- nTMS: Speech Mapping</i>
<i>- Clinical cases discussion – mini round tables</i>
<i>Conclusions, End of the Course</i>

DETAILS



COURSE DIRECTORS

**Mr. Francesco Vergani, MD,
FRCS**

Consultant Neurosurgeon
King's College Hospital,
London

**Mr. Pietro D'Urso, MD,
FRCS**

Consultant Neurosurgeon
Salford Royal NHS
Hospital



INVITED SPEAKERS

Prof. Kathleen Seidel, MD

Department of Neurosurgery
Inselspital, Bern University
Hospital Switzerland

Carolin Weiß Lucas, MD

Department of Neurosurgery
Cologne University Hospital,
Germany

Prof. Sandro Krieg, MD, MBA

Managing Director
Neurosurgery Clinic at
Heidelberg University Hospital,
Germany

Jose Pedro Lavrador, MD

Consultant Neuro-Oncology
Surgery
King's College Hospital,
London

Mr. Gordan Grahovac, MD, PhD

Consultant Neurosurgeon &
Complex Spine Surgeon
King's College Hospital, London

Ana Mirallave Pescador, MD

Consultant Clinical
Neurophysiologist – King's
College Hospital, London

**Stephanie J. Forkel, HDR PhD
SFHEA CPsychol**

Donders Institute for Brain,
Cognition and Behaviour
Radboud University, Netherlands

Alba Diaz Baamonde, MD

Clinical Neurophysiologist
King's College Hospital,
London

Carlos Fiandeiro, MD

Consultant Neuro-anaesthetist
King's College Hospital, London

Marianella Campos Friz, MD

Medical Director
ARKANA Forum GmbH,
Germany



TARGET GROUP

- Medical Doctors & Neurophysiologists
- Surgical staff in the field of neurosurgery and anaesthesia

INFORMATION



IN THIS COURSE YOU WILL LEARN

- Basics of methods and application of IONM and of preoperative mapping techniques
- Clinical application of IONM in spinal, supratentorial and infratentorial cases
- Performance of IONM using case studies
- Electrode placement and setup in practical workshops



Online-Registration

To register, please use the booking form on our website: <https://www.arkana-forum.com/en/produkt/ionm-and-brain-mapping-in-neurosurgery-the-london-course/>

Course fee

594,00 EUR excl. VAT – *Early Bird Price* until 15.09.2024

660,00 EUR excl. VAT – Standard Price



Conditions of payment/registration

The course fee must be paid in advance, at the latest 2 weeks before the start of the course – please note that course participation is only confirmed once payment has been received. If your registration is cancelled, we will refund the course fee subject to a 25 EUR administration fee. The information about the cancellation must be received at least 2 weeks before the start of the course. If the cancellation is made later or if the participant does not take part in the course, we are entitled to retain the full course fee.



Accreditation

CPD Certification (will be applied for)



Course venue

King's College London, Strand Campus,
London WC2R 2LS, United Kingdom

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.



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Medical Education Center
Im Hausgrün 29, 79312 Emmendingen
+49 7641 962 232-0
info@arkana-forum.com