



**Association
of Anaesthetists**

Anaesthesia and intraoperative neuromonitoring of brain and spinal cord

Thursday 22 September 2022

Location: 21 Portland Place, London

Organisers: Dr Sumeeta Conry, Oswestry & Dr Carlos Fiandero, London

Intraoperative neuromonitoring (IONM) poses numerous challenges for anaesthetists. It is important for an anaesthetist to understand the rationale behind the monitoring and the basis of its utility. This also enables a close working relationship with the monitoring team and the surgeon and is key to a successful and an improved outcome.

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| 09:00 | Registration / tea and coffee |
| 09:20 | Welcome and opening remarks
Dr Sumeeta Conry, Oswestry |
| 09:30 | Basic principles of spinal cord monitoring techniques.
Dr Colin Shirley, Birmingham |
| 10:10 | Basic anatomy in IONM and neurosurgical requirements for intracranial surgery
Mr Francesco Vergani, London |
| 10:40 | Tea & Coffee |
| 11:10 | Choice of IONM modalities for spinal surgery – a surgeon’s perspective
Mr Neil Davidson, Liverpool |
| 11:40 | Anaesthetic considerations for intraoperative neurophysiological monitoring of the spinal cord
Dr Sumeeta Conry, Oswestry |
| 12:10 | IONM and Anaesthetics in paediatric spinal surgery
Dr Radha Ravi, Liverpool |
| 12:40 | Lunch |
| 13:40 | Monitoring protocol – alarm criteria, contraindications and safety of IONM
Mr. Michael Owen, Director of Intraoperative Neurophysiology at Neuromonitoring Services Ltd |
| 14:10 | Anaesthetic considerations specific for IONM in cranial surgery
Dr Ana Pescador, London |
| 14:40 | Tea & coffee |
| 15:00 | Anaesthetic considerations specific for IONM in cranial surgery
Dr Carlos Fiandero, London |
| 15:30 | Special considerations for IONM in the Awake Craniotomy
Dr Holly Jones, London |



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16:00 **IONM Workshop**

16:30 **Close of meeting**

This seminar covers the following domains:

Domain 1: Knowledge, skills and performance
Domain 2: Safety & quality
Domain 3: Communication, partnership and teamwork

Learning objectives:

1. Discuss the common modalities for intra- operative neuromonitoring (IONM) used during brain and spinal deformity surgeries
2. The role of the anaesthetist in providing optimal anaesthesia and to facilitate IONM by understanding the influence of anaesthetic agents and physiological variations on IONM monitoring.
3. Work as a team with surgeons, neuromonitoring professionals, and anaesthetists to respond to changes in IONM signals.