

## EDUCATIONAL WEBINAR



June, 21st 2025

13:00h CET

Platform: ZOOM

**FREE REGISTRATION**

# Technical and Practical Insights into Intraoperative Neuromonitoring and Mapping of Motor Cranial Nerves

The webinar will be about “**Technical and Practical Insights into Intraoperative Neuromonitoring and Mapping of Motor Cranial Nerves**”. There will be three presentations focusing on how to monitor cranial nerves III-XII. An overview of different methodologies will be presented and there will a presentation about signal optimization.

### MODERATORS



**Xabi Urriza**  
Spain



**Kathleen Seidel**  
Switzerland

### SPEAKERS



**Isabel Fernández-Conejero**  
Spain



**Matthew Hoffman**  
USA



**Gemma Pérez-Fajardo**  
Spain

### OBJECTIVES

Gaining insight into how to best map and monitor cranial nerves III-XII during cranial surgery and learn different approaches and techniques.

### AGENDA (CET time)

13.00-13.20

**Introduction to Methodologies:**  
An engaging overview of the available methodologies, focusing on signal optimization and addressing clinical shortcomings.

Isabel Fernández-Conejero

13.20-13.35

**Q&A**

13.35-13.55

**Electromyographic Recordings of Extraocular Muscles:** A detailed presentation on the use of electromyographic recordings for intraoperative monitoring of cranial nerves III, IV, and VI.

Matthew Hoffman

13.55-14.10

**Q&A**

14.10-14.30

**3. Daily Practice in Monitoring Corticobulbar MEPs:** Sharing insights on my approach to monitoring Corticobulbar Motor-Evoked Potentials (MEPs) to assess the functional integrity of cranial motor nerves V, VII, IX, X, XI, and XII.

Gemma Pérez-Fajardo

14.30-14.45

**Q&A**

14.45-15.00

**Closing remarks**

Xabi Urriza

Kathleen Seidel