euro anaesthesia 2025 LISBON 25 › 27 May

# Neuromuscular transmission monitoring
## GUIDED TOUR

Monday 26 May 10:30-11:30 - Exhibition Hall

Tour Captain: Thomas Fuchs-Buder

10:15 Participants meet with the tour captain at the ESAIC Hub

10:30 Start of the tour

10:32-10:49

**Neuromuscular Monitoring: Advancing Standards Through Innovation**
Speaker: Stephanie Tam

At the Dräger booth, IDMED will present the latest advances in neuromuscular transmission (NMT) monitoring. As a pioneer in the field, IDMED has helped shape current standards by early adopting reusable sensors, touchscreen interfaces, wireless technology, and automated modes. Supported by a long-standing partnership with Dräger, IDMED continues to lead the way. This session will unveil innovations aimed at further simplifying and promoting the use of quantitative NMT monitoring in both anesthesia and intensive care.

10:51-11:08

**Introducing the Next-Generation TetraGraph® Quantitative Neuromuscular Monitor with Adaptive Intelligence™**
Speaker: Britta Weber

Residual neuromuscular block (rNMB) remains a major patient safety concern, occurring in one-third of cases—even with the use of reversal agents. The next-generation TetraGraph® with Adaptive Intelligence™ delivers EMG-based, real-time quantitative data to optimize neuromuscular block management and reversal dosing. Featuring the proprietary Level-of-Block™ Gauge, it helps clinicians confidently avoid both under- and overdosing. Join us to see how this breakthrough technology is elevating precision, safety, and confidence in the OR.

11:09-11:26

**Vision DUO - a different approach to monitor neuromuscular transmission**
Speaker: Prof. Dr. Peter Biro

The Vision DUO (by RGB Medical Devices, Madrid) is an innovative neuromuscular transmission (NMT) monitor that combines Compressomyography (CMG) and NMTCuff® technology. It induces muscular contractions and detects the response using a non-invasive blood pressure measurement cuff, eliminating the need for additional accessories. A key feature of the Vision DUO is its "auto-pilot" mode, which manages the entire monitoring process throughout anesthesia with no user intervention. The device automatically adjusts stimulation patterns based on the depth of neuromuscular blockade, ensuring precise monitoring while preventing tetanic potentiation during deep blockade. As a critical safety measure, Vision DUO initiates a verification procedure algorithm at the end of anesthesia to minimize the risk of postoperative residual blockade. The pneumatic connection between the device and the patient makes it resistant to electrical artifacts, resulting in a superior signal-to-noise ratio. The large display provides both current values and a detailed trend of the blockade level on a 30-point scale, ranging from TOFr 1.0 to PTC 0. Additionally, Vision DUO can be connected to other patient monitoring and data management systems.

11:30 End of the tour at the ESAIC Hub