TetraGraph

@SENZIME

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Quantitative Neuromuscular Monitoring

Trusted EMG technology, compliant with ASA and ESAIC guidelines



EMPOWERING Safe, Efficient Patient Care

Every year millions of patients are affected by postoperative respiratory complications. By using quantitative neuromuscular monitoring, you can reduce the risk of complications, such as residual neuromuscular blockade (RNMB). This enables you to deliver safer, more efficient patient care.

State-of-the-Art Neuromuscular Blockade Monitoring

Electromyography (EMG) is proven to be the most accurate quantitative technology available to monitor neuromuscular blockade.

Powered by the 5th generation EMG algorithm, TetraGraph provides accurate results at all levels of neuromuscular blockade. Since TetraGraph measures the evoked electromyographic response of the muscle and does not depend on physical movement, this technology is a better indicator of pure neuromuscular function than other technologies.

Supporting you from start to finish

TetraGraph supports your neuromuscular blockade management during the surgical procedure from start to finish, bringing confidence to your anesthesia practice.

With TetraGraph, you can:

- Ascertain that anesthesia is appropriate for tracheal intubation
- Know the precise level of neuromuscular blockade throughout the entire case
- Receive timing and dosing guidance for NMBAs and reversal agents
- Ensure full recovery by confirming a TOF ratio ≥ 0.9 (90 %) prior to extubation

TetraGraph calculates the TOF Ratio (TOFR) by comparing the magnitude of the fourth evoked response (T4) to that of the first response (T1). Once the fourth evoked response (T4) disappears, TetraGraph determines the depth of block by counting the number of the responses. This is called TOF Count (TOFC). The lower the count, the deeper the block.

Once TOF Count is at zero, you can start Post-Tetanic Count (PTC) mode, which provides a high-frequency tetanic stimulation to determine deep to profound blockade.





Engineered for patient safety and accuracy

ACCURATE

- No overestimated recovery
- Accurate assessment of the degree
 of neuromuscular blockade
- Guidance through objective color-coded baseline

VERSATILE

- Arm can be tucked
- A variety of settings or scenarios: OR, PACU or ICU
- Any type of surgery, such as laparoscopy, neurosurgical and robotic surgery

USER FRIENDLY

- Intuitive one button start
- TOF value within seconds from start
- Small and portable, fits easily in an OR environment
- Few interactions needed thanks to intuitive features, such as repeated PTC

Sensors designed to fit every need

TetraSens

TetraGraph displays recorded EMG from the hand or foot, using TetraSens. You can place TetraSens on hand (ulnar nerve, AP and ADM muscles) or foot (posterial tibial nerve, FHB), enabling flexible use regardless of patient positioning.

TetraSens Pediatric

- Smart sizing, one single sensor from 1 month and up
- Soft material customized for sensitive skin
- Transparent for easy placement on small hands

TetraSensitive

- Designed to be gentle on fragile skin
- Ultrasoft and pliable material
- Smart sizing allows use across different patient sizes

Integrated with external monitors, EMRs and hubs

TetraGraph provides integrations with several leading monitoring solutions and third-party integration systems, enabling you to view TetraGraph data on your bedside monitors and document values in your electronic medical record system.

Ask Senzime for the latest list of connectivity solutions!



Contact us now For a demo

We are present in the world's leading markets through our own offices and distributor partners.

Find all details at senzime.com

Product ordering details

TetraGraph system: SEN 2001

TetraSens (box of 20): SEN 2002

TetraSens Pediatric (box of 15): SEN 2009

TetraSensitive (box of 15): SEN 2014

TetraGraph pole Clamp kit: SEN 2101

TetraGraph Philips interface: SEN 2007

TetraGraph Xcom cable: SEN 2010

ABOUT SENZIME

Senzime, headquartered in Sweden, is a leading medical device company that develops, manufactures, and markets CEand FDA-cleared patient monitoring systems.



Data management TetraConnect

A digital connectivity portal that enables you to analyze trends from TetraGraph in seconds. The powerful tool can facilitate clinical research as well as everyday practice.

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