

TOF 3D Revision Questions (Edition 1.0)

Please review the Introduction (DOCID 111418) and Technical (DOCID 164255) training notes in the document index and answer the following questions.

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What is the primary use of the TOF 3D Neuromuscular Transmission Monitor? *

- ☐ To measure oxygen levels in the blood
- ☐ To monitor heart rate during surgery
- ☒ To measure the depth of neuromuscular blockade in patients under anaesthesia
- ☐ To monitor brain activity

Which stimulation method is considered the gold standard for quantitative monitoring, despite being impractical for use in the operating theatre? *

- ☐ Acceleromyography (AMG)
- ☐ Electromyography (EMG)
- ☒ Mechanomyography (MMG)
- ☐ Double Burst Stimulation (DBS)

What type of batteries does the TOF 3D require? *

- ☐ 2x AA Alkaline batteries
- ☒ 4 x AA Alkaline batteries
- ☐ 2 x AAA Alkaline batteries
- ☐ 4 x D-cell batteries

Which stimulation mode is used for monitoring deep muscular blockade and involves a 50 Hz stimulation over 5 seconds? *

- ☐ Single Twitch
- ☒ Post Tetanic Count (PTC)
- ☐ Double Burst Stimulation (DBS)
- ☐ Train of Four (TOF)

What is the difference between subjective and quantitative monitoring in the context of the TOF 3D? *

- ☐ Subjective and quantitative monitoring are both based on visual observation and are repeatable.
- ☒ Subjective monitoring is carried out by the operator, while quantitative monitoring is carried out by the device.
- ☐ Subjective monitoring requires electronic equipment, while quantitative monitoring is done manually.
- ☐ Subjective monitoring uses electrical impulses, while quantitative monitoring uses sound waves.

What is the recommended placement for the monitoring part of the hand adapter to achieve a stronger acceleration signal in the TOF 3D? *

- ☐ Near the wrist
- ☐ On the palm
- ☒ Centrally on the thumb
- ☐ On the forearm

What does the TOF (Train of Four) stimulation mode measure? *

- ☐ Cardiac output during anaesthesia
- ☒ The degree of neuromuscular blockade
- ☐ Blood pressure response to anaesthesia
- ☐ Reflexes during surgery

What types of adapters are available for use with the TOF 3D? *

- ☐ Neck, wrist, and foot adapters
- ☒ Hand, thumb, and eye adapters
- ☐ Shoulder, hip, and ankle adapters
- ☐ Elbow, knee, and ear adapters

Which cleaning products are recommended for use on the TOF 3D according to NHS requirements? *

- ☐ Lysol Disinfectant Spray and Clorox Wipes
- ☒ Clinell Universal Wipes and Clinell Sporocidal Wipes
- ☐ Purell Hand Sanitizer and Dettol Surface Cleaner
- ☐ Sani-Cloth Wipes and Virex All-Purpose Cleaner

Why is quantitative monitoring preferred over subjective monitoring in the context of the TOF 3D? *

- ☐ It is cheaper and easier to perform.
- ☒ It allows for visual observation of muscle responses.
- ☐ It is more reliable, reproducible, and objective.
- ☐ It does not require any electronic devices.

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