

Train of Four Monitoring

What is TOF:

- TOF is used with neuromuscular blocking drugs (paralytic) to assess nerve impulse transmission at the neuromuscular junction of select skeletal muscles

How it works:

- TOF is completed by counting the number of twitches elicited through electrodes placed along a nerve path
- The stimulus is delivered as a group of .2 millisecond pulses, spaced 500 milliseconds apart, repeated every 10 seconds

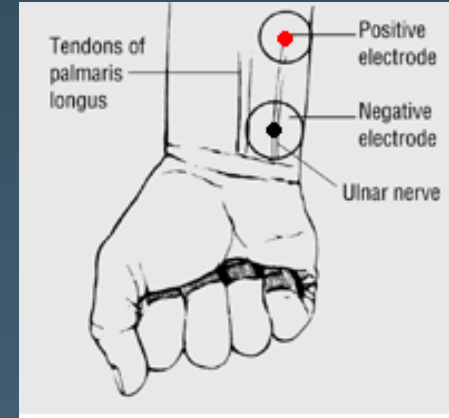
Why it's important:

- Train of four monitoring enables the nurse to deliver the minimum amount of neuromuscular blocking drug in order to achieve the desired effect, thereby preventing over-paralyzing the patient

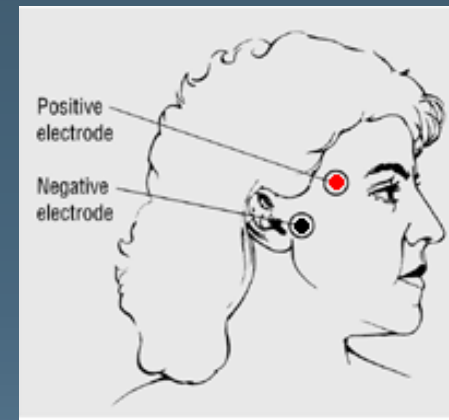
How to set up:

- TOF is tested at the ulnar (suggested), temporal, or post tibial nerve
- Place black electrode over the nerve, and the red electrode 2-3 cm proximal to black electrode
- Obtain baseline TOF by starting at 10 mA and increasing by 10 mA until a baseline of 4/4 twitches is observed
- Document baseline and site of electrodes

Ulnar
Placement



Temporal
Placement



Post Tibial
Placement

