

NMB 01 Review - September 27, 2021

Review NMB 01 Measure Specification by selecting this [link](#)

Feedback from Measure Reviewers

Review of new literature (last review December 2018)	
Dr. Alvin Stewart	Dr. Peter Panagopoulos
Per my review, there is no new original research, meta-analyses, or consensus statements.	Current literature seems to support the NMB 01 measure as it is written. TOF analysis after the last dose of nondepolarizing muscle relaxers and prior to administration of a reversal agent is supported. The exception being the use of sugammadex with 0 twitches.

Appropriateness of rationale	
Dr. Alvin Stewart	Dr. Peter Panagopoulos
Completely appropriate. Any patient who receives a paralytic needs at minimum a qualitative measure of residual paralysis to help decrease the chance of postoperative ventilatory problems with the understanding that a quantitative measurement would be even better but more difficult to assess depending on the patient's surgical position and surgical procedure.	Appropriate. Residual muscle paralysis after administration of muscle relaxers can lead to significant postoperative complications and morbidity. TOF testing is a cheap and relatively effective method to test for recovery from muscle relaxation.

Evaluation of inclusion/ exclusion criteria	
Dr. Alvin Stewart	Dr. Peter Panagopoulos
Inclusion - Nothing needed to be added or	Appropriate as written in the measure

removed. Exclusion - Nothing needed to be added or removed.	
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Evaluation of definition of success or flagged cases	
Dr. Alvin Stewart	Dr. Peter Panagopoulos
Per the definition, we are motivating providers to actually check residual paralysis by this measure. The measure meets the goal we made. The measure is not to check for 90% TOF on a quantitative device. Any muscular activity after an electrical stimulation is positive per this measure.	The definition is adequate as written. Providers are expected to check TOF after the last dose of paralytics. The measure meets this goal.

Other feedback	
Dr. Alvin Stewart	Dr. Peter Panagopoulos
In my personal opinion, this is a measure we should all meet with a threshold of 90%. The measure should persist on our measure list.	The measure should continue. TOF monitoring is routine and standard of care in use of muscle relaxers. TOF documentation and appropriate reversal agent and dosage can avoid serious postoperative complications

Recommendation from Dr. Alvin Stewart and Dr. Peter Panagopoulos for NMB 01

	Dr. Alvin Stewart	Dr. Peter Panagopoulos
Keep as is: no changes at all	☒	☒
Modify: changes to measure specifications	☐	☐

Retire: eliminate entirely from dashboard and emails	☐	☐
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Recommended modifications (if applicable)