

Neuromuscular Blocking Drug Reversal Card

Department of Anesthesia & Perioperative Care
Resident Quality Improvement Project 2017-18



Train of Four Monitoring	Reversal Agent and Dose after Rocuronium and Vecuronium
TOF-R \geq 0.9 (using quantitative monitor)	Reversal not required
4 twitches	Sugammadex 2 mg/kg or neostigmine 30 mcg/kg (max 5 mg)
2 to 3 twitches	Sugammadex 2 mg/kg or neostigmine 60 mcg/kg (max 5 mg)
1 twitch	Sugammadex 4 mg/kg; neostigmine not recommended
Post-tetanic twitches only	Sugammadex 4 mg/kg; neostigmine not recommended
No post-tetanic twitches after giving rocuronium in emergency situations (e.g. can't intubate, can't ventilate)	Sugammadex 16 mg/kg; neostigmine not recommended

- Neostigmine dose based on actual body weight
- Sugammadex dose based on actual body weight; not recommended with CrCl < 30 mL/min
- Sugammadex binds oral and non-oral hormonal contraceptives, recommend counseling women of childbearing age to use an alternative form of non-hormonal contraception for the next 7 days

Train of Four Monitoring	Reversal Agent and Dose after Cisatracurium
TOF-R \geq 0.9 (using quantitative monitor)	Reversal not required
4 twitches	Neostigmine 30 mcg/kg (max 5 mg)
2 to 3 twitches	Neostigmine 60 mcg/kg (max 5 mg)
<2 twitches	Neostigmine not recommended

- Neostigmine dose based on actual body weight