Faster Recovery From Deep Neuromuscular Blockade

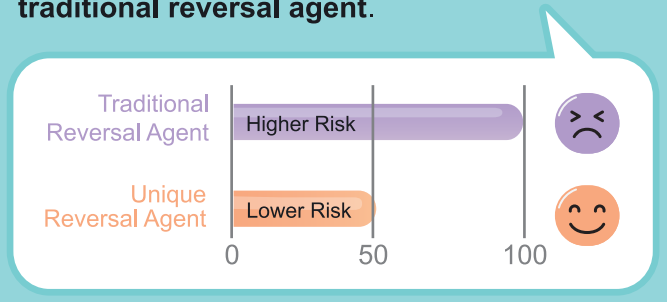
Unique Reversal Agent　　Traditional Reversal Agent

Unique reversal agent achieves 82% **faster recovery** from deep neuromuscular blockade compared to traditional reversal agent.

Xinmin Wu, Helle Oerding, et al. Rocuronium blockade reversal with sugammadex vs. neostigmine: randomized study in Chinese and Caucasian subjects. BMC Anesthesiology 2014, 14:53

Less Postoperative Nausea and Vomiting

Unique reversal agent reduces relative risk of nausea & vomiting by 52% compared to **traditional reversal agent**.



Hristovska AM, Duch P, Allingstrup M, Afshari A. et al. Efficacy and safety of sugammadex versus neostigmine in reversing neuromuscular blockade in adults. Cochrane Database of Systematic Reviews 2017.

AM I AT HIGH RISK FOR DELAYED RECOVERY?

Patient Factors

- ○ Age ＞ 65 Years Old
- ○ BMI ＞ 30 kg/m^2
- ○ Obstructive Sleep Apnea Syndrome
- ○ Myasthenia Gravis
- ○ Cardiovascular Diseases
- ○ Multiple Systemic Diseases
- ○ Intubation Difficulties
- ○ Post-operative Nausea and Vomiting
- ○ Post-operative Breathlessness
- ○ Post-operative Urinary Retention

Surgical & General Anesthesia Factors

- ○ Head and Neck Surgery
- ○ Laparotomy
- ○ Bariatric Surgery
- ○ Day Surgery With General Anesthesia

Please Ask Your Anesthesiologist For Further Information

Taiwan ERAS Society (Educational Material)

Taiwan Society of Anesthesiologists (Educational Material)

Online Evaluation

Rapid and Complete Recovery From Anesthesia

What You Should Know About Optimal Muscle Tension (OMT)

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TAIWAN CHAPTER, ERAS SOCIETY

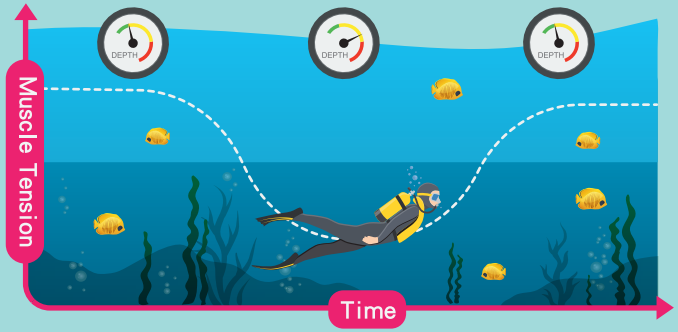
台灣麻醉醫學會

Taiwan ERAS Society
Taiwan Society of Anesthesiologists
Shared Decision Making Series
August 2020 Version

Optimal Muscle Tension: Monitoring Element

Intraoperative Muscle Tension Monitoring to Achieve Optimal Neuromuscular Blockade

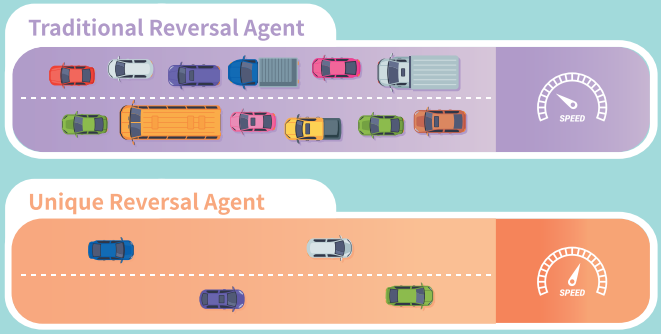
During general anesthesia, optimal muscle relaxation reduces involuntary movements and postoperative complications, enhancing surgical safety.



Optimal Muscle Tension: Medication Element

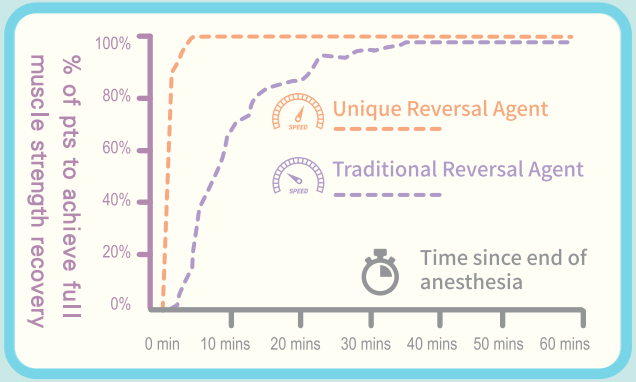
The Use of Unique Reversal Agent to Enhance Recovery After Surgery

Muscle relaxants are used to achieve optimal operative conditions. Unique reversal agent is better at eliminating them from the body at the end of surgery compared to traditional reversal agent.



Rapid and Complete Muscle Strength Recovery

Under the combined use of muscle tension monitoring and unique reversal agent, all patients regained full muscle strength within 5 minutes, whereas when traditional reversal agent was used, 16% of patients still showed muscle paralysis at 20 minutes.



Advantages of Optimal Muscle Tension

1. Better surgical view can be achieved with less intra-abdominal pressure during laparoscopy.
2. Lowers risk and reduces severity of post-operative muscle pain from inadequate muscle relaxation.
3. Precisely monitors muscle tension to determine optimal extubation timing, reducing complications related to residual paralysis.
4. Faciliates rapid and complete return of spontaneous breathing, ensuring anesthesia quality and safety.

Comparing Unique vs. Traditional Reversal Agents

	Traditional Reversal Agent	Unique Reversal Agent
Muscle Strength Recovery	Slower	Faster win
Nausea and Vomiting	Higher Risk	Lower Risk win
Residual Paralysis	Higher Risk	Lower Risk win
Respiratory Depression	Higher Risk	Lower Risk win
Cardiovascular Impact	More Significant	Less Significant win

International Expert Consensus

Difficult Airway Society

Unique reversal agent is an appropriate choice of antagonism when certain muscle relaxants are used.

Enhanced Recovery After Surgery Society

Unique reverseal agent reverses neuromuscular block 3–4 times faster than traditional reversal agent.