Impact of an Educational Care Bundle on Cost-Effective Neuromuscular Blockade Reversal Practice
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BACKGROUND
Two options for neuromuscular blockade (NMB) reversal: neostigmine and sugammadex.

- Neostigmine: $3.23 - $4.06 per vial
- Sugammadex: $61.75 - $106.69 per vial

Sugammadex is clinically safer but yields a higher cost, especially with careless use.

OBJECTIVE: How to enhance awareness of and reduce waste/expenses associated with inappropriate sugammadex use?

Sources of waste:
- Training gaps in proper dosing
- Unawareness of drug cost
- Failure to return unused vials

INTERVENTION
This educational care bundle improves resource stewardship with emphasis on:
- Medication costs
- Appropriate dosing of agents
- Proper NMB monitoring

- PowerPoint Presentation
- Clinical Reminders
- Decision Tree Guideline

FINDINGS
90% of participants exhibited higher self-efficacy scores to perform cost-conscious NMB practices post-intervention

20-22% Decrease in total spending of sugammadex post-intervention

CONCLUSION
A neuromuscular blockade reversal care bundle proved to be an impactful educational intervention for fostering more cost-effective, resourceful practice.