

Influence of glucocorticoids on sugammadex action

ACTRN12612000245897

Status	RECRUITING
Phase	Phase 4
Sponsor	University Medical Center Ljubljana
Enrollment	60 participants

Plain Language Summary

This study is investigating whether the steroid medication dexamethasone, commonly given to prevent nausea and vomiting during surgery, can affect the performance of a muscle relaxant reversal drug called sugammadex. Sugammadex works by binding to and removing muscle relaxants used during general anaesthesia. Because dexamethasone and these muscle relaxants have a similar molecular structure, there is concern that sugammadex might accidentally bind to dexamethasone instead. Blood samples will be taken before and after sugammadex is given to check drug levels.

You may be eligible if:

- You are 18 years of age or older (up to 100 years)
- You are scheduled for elective abdominal or chest surgery requiring general anaesthesia and full muscle relaxation
- Your anaesthesia risk is classified as ASA I to III

You may NOT be eligible if:

- You have not consented to take part
- You have a neuromuscular disease
- You have a difficult airway expected
- You have kidney failure
- You or a family member has a history of malignant hyperthermia
- You have an allergy to any anaesthetic agents used
- You are pregnant or breastfeeding
- You are taking oral contraceptives
- You are taking drugs that may interact with sugammadex

Talk to your doctor about whether this trial might be right for you.

Key Eligibility Criteria

Inclusion (1)

- Patients anesthetized for elective surgery for which they need to be intubated and fully relaxed throughout the procedure, ASA I-III.

Exclusion (1)

- Lack of consent, patients with neuromuscular disease, with anticipated difficult intubation, kidney failure, personal or family history of malignant hyperthermia, allergy to any anesthetics used, pregnant or nursing women, women taking oral contraceptives, patients receiving drugs that could interfere with sugammadex.

Locations (1 total)

Slovenia

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12612000245897>

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