

SUCCINYLCHOLINE (ANECTINE)

Drug Classification: Depolarizing neuromuscular blocking agent

BACKGROUND

Pharmacodynamics

This medication is a synthetic, ultra-short-acting depolarizing neuromuscular blocking agent with high affinity for acetylcholine receptor sites. Its initial transient contractions and fasciculation are followed by sustained flaccid skeletal muscle paralysis produced by state of accommodation that develops in adjacent excitable muscle membranes. Following IV injection, muscle paralysis begins at the eyelids and jaw, and then progresses to the limbs, the abdomen, and diaphragm. There is no effect on the level of consciousness.

Indications

- Paralysis to facilitate advanced airway placement

Contraindications

- Known hypersensitivity to this medication or other neuromuscular blocking agents.
- Family history of malignant hyperthermia.
- Penetrating eye injuries.
- Narrow angle glaucoma.
- Significant neuromuscular disease.
- Burns.

Cautions

- This medication has no analgesic or sedative effects. An induction agent or benzodiazepine must be administered for sedation.

DOSAGE and ADMINISTRATION

ADULT	PEDIATRICS (less than 60 kg)
1. Administer 1.5 mg/kg IV/IO push over 10-30 seconds.	1. Administer 1.5 mg/kg IV/IO push over 10-30 seconds.
2. May repeat 0.5 mg/kg IV/IO if no response after 90 seconds.	2. May repeat 0.5 mg/kg IV/IO if no response after 90 seconds.

ADVERSE REACTIONS/SIDE EFFECTS

- Ventricular arrhythmias, tachycardia, bradycardia, and bradyarrhythmias
- Hypertension
- Cardiac arrest

HEALTHEAST MEDICAL TRANSPORTATION MEDICAL OPERATIONS MANUAL

- Hyperkalemia
- Increased intraocular pressure
- Severe muscle contraction, muscle soreness
- Malignant hyperthermia
- Increased intracranial pressure
- Increased intragastric pressure (increased risk of vomiting or aspiration)
- Myoglobinuria
- Apnea

NOTES

REFERENCE PROCEDURE:

7F1 DFAM