

SUCCINYLCHOLINE (Anectine®)

PHARMACOLOGY & ACTIONS:

- Short acting depolarizing skeletal muscle relaxant.
- Binds to cholinergic receptors in the motor neuron endplate to cause muscle depolarization (fasciculations) followed by paralysis.
- Complete paralysis occurs within 1 minute; recovery usually seen within 4-6 minutes.
- Has no effect of consciousness or pain threshold.

INDICATIONS:

- Paralysis to facilitate rapid sequence intubation.

CONTRAINDICATIONS:

- Acute narrow angle glaucoma
- Penetrating eye injuries
- Burns or crush injuries > 12-24 hours
- Use caution in patients with kidney failure or undiagnosed neuromuscular disease or skeletal muscle myopathy such as Duchenne's Muscular Dystrophy.

ADMINISTRATION:

- Adult dose: Initial dose - 1.5 mg/kg IV; a second dose may be given if paralysis is not achieved within 60-120 seconds of initial administration.

Can be given IM at 2-4 mg/kg not to exceed 150 mg. IV route is preferred, only use IM if absolutely necessary.

- Pediatric: Initial dose - 2 mg/kg IVP
Can be given IM at 2-4 mg/kg if absolutely necessary

SIDE EFFECTS & SPECIAL NOTES:

- May cause malignant hyperthermia, ventricular dysrhythmias, bradycardia in pediatrics, hyperkalemia, hypotension, hypertension, increased intraocular pressure and ICP.
- Histamine release may occur..
- Bradycardia is usually seen in patients under 5 years old & will generally respond to oxygenation & atropine.
- Ventricular dysrhythmias may be treated with oxygenation & lidocaine.

CLASS: A

PROTOCOL(S) USED IN: RSI