



NEONATAL

# SUXAMETHONIUM

This document should be read in conjunction with this [DISCLAIMER](#)




**Restricted:** Requires Neonatologist review within 24 hours of initiation

**⚠ HIGH RISK Medication**

Inadvertent use in patients without the availability of medical staff skilled in airway support can lead to respiratory arrest, permanent harm, or death.

<b>Presentation</b>	Syringe: 10 mg/2mL (KEMH) Ampoule: 100 mg/2mL
<b>Classification</b>	Short acting neuromuscular blocker and skeletal muscle relaxant/paralytic
<b>Indication</b>	Elective endotracheal intubation – premedication
<b>Dose</b>	<b><u>ELECTIVE ENDOTRACHEAL INTUBATION</u></b> <b>IV:</b> 2mg/kg immediately prior to intubation May be repeated if required, repeated dosing increases risk of bradycardia.  Must be accompanied by adequate analgesia or sedation
<b>Monitoring</b>	Continuous cardiorespiratory monitoring. Monitor temperature, blood pressure, oxygenation and assisted ventilator status Monitor Duration of action is 5-10 minutes.
<b>Compatible Fluids</b>	Sodium Chloride 0.9%, Glucose 5%, Glucose 10%
<b>Preparation</b>	Only prepare where prefilled syringe is unavailable. <b>IV:</b> <b><i>Dilution</i></b> Take 1mL (50mg) from ampoule and dilute to 5mL with compatible fluid Concentration is 50mg/5mL. <u>Final concentration is 10mg/mL</u>

<b>Administration</b>	<b>IV bolus:</b> give over 10 to 30 seconds
<b>Adverse Reactions</b>	Common: Hypertension, hypotension, bradycardia Serious: Malignant hyperthermia, hyperkalaemia
<b>Storage</b>	<b>Prefilled Syringe:</b> Store at room temperature, below 25oC <b>Ampoule:</b> Refrigerate, do not freeze. Store at 2°C to 8°C.
<b>Notes</b>	Very rapid onset (30–60 seconds) and short duration of action (3–5 minutes) with IV administration. Continuous administration over a prolonged period of time may result in irreversible blockade (phase II block). Should not be used without additional sedation.
<b>References</b>	Suxamethonium Paediatric. In: UpToDate [Internet]. Alphen aan den Rijn (Netherlands): Wolters Kluwer; 2017 [cited 2019 Aug 7]. Available from: <a href="https://www.uptodate.com/">https://www.uptodate.com/</a>  Lilley L, Legge D. Paediatric injectable guidelines. 5th ed. Melbourne (Victoria): The Royal Children's Hospital; 2016. 90 p.75  Truven Health Analytics. Succinylcholine. In: NeoFax [Internet]. Greenwood Village (CO): Truven Health Analytics; 2019 [ cited 2019 Aug 07]. Available from: <a href="https://neofax.micromedexsolutions.com/">https://neofax.micromedexsolutions.com/</a>

Document owner:	Head of Department - Neonatology		
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