



NEONATAL Medication Monograph

KETAMINE





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

Highly Restricted: Requires Neonatologist approval before commencing

 **HIGH RISK Medication**

Presentation	Vial: 200mg/2mL
Description	N-methyl-D-aspartate (NMDA) antagonist.
Indications	Procedural sedation for term / near term infants
Precautions	Use with caution in infants with following conditions: <ul style="list-style-type: none"> • Hypertension • intracranial bleeding • hydrocephalus • cardiac disease
Dosage	IV: 0.5 to 2mg/ kg/ dose <i>Start with lower dose if using with another CNS depressant.</i>
Adverse Reactions	Common: hypertension, sinus tachycardia, increased muscle tone Serious: airway obstruction, bradycardia, apnoea, respiratory depression, increased intracranial pressure, increased intraocular pressure, laryngospasm
Compatible Fluids	Sodium chloride 0.9%, Glucose 5%
Preparation	IV: Withdraw 1mL (100mg) of ketamine and make up to 50mL with a compatible fluid. <u>Final concentration is 100mg/50mL = 2mg/mL</u>

Administration	IV: Slow push over at least 1 minute. Do not exceed 0.5mg/kg/minute. Rapid administration may result in respiratory depression and hypertension.
Monitoring	Respiratory and cardiovascular status
Storage	Store at room temperature, below 25°C
References	Ketamine Paediatric drug information [Internet], UpToDate [Online database]. Cited 27 th August 2020 Clinical Pharmacology [Online database]. Elsevier. Cited 27 th August 2020. Available from www.clinicalkey.com.pklibresources.health.wa.gov.au/pharmacology/

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