



NEONATAL Medication Monograph

PYRIDOXINE (Vitamin B6)

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



Unrestricted (ORAL): Any prescriber may initiate treatment as per guideline

Restricted (IV): Requires Neonatologist review within 24 hours of initiation

IV: [SAS Category A](#) (item requires approval by TGA)

Presentation	Tablets: 25mg Ampoule: 100mg/2mL (SAS)
Classification	Vitamin B6
Indication	Diagnosis and treatment of pyridoxine-dependant seizures
Dose	Initial Diagnostic Test dose IV or IM: 50 -100mg Maintenance dose Oral: 50 - 100mg daily
Monitoring	Continuous cardiorespiratory monitoring EEG monitoring with initial diagnostic dose A pyridoxine level of < 20 nanomoles/L is indicative of deficiency
Guidelines & Resources	Seizures: Neonatal
Preparation	IV/IM: Use undiluted Oral: Using a tablet crusher, crush ONE pyridoxine tablet (25mg) into a fine powder. Add this powder to 5mL of water and allow to dissolve, shaking occasionally Powder should dissolve in 2-3 minutes Concentration is 25mg/5mL = 5mg/mL

Administration	<p>IV Injection: Give slowly over 5 minutes</p> <p>IM Injection: as per NCCU guideline</p> <p>Oral: May be given at any time with regard to feeds.</p>
Adverse Reactions	<p>Common (IV) : Sedation, hypotonia, hypotension, respiratory depression, apnoea</p> <p>Infrequent: Neurotoxicity</p>
Interactions	<p>Phenytoin: pyridoxine may decrease serum concentration of Phenytoin</p> <p>Phenobarbitone: pyridoxine may decrease serum concentration of Phenobarbitone</p>
Notes	SAS approval must be obtained for the use of the injectable form of this medication.
References	<p>Truven Health Analytics. Pyridoxine. In: NeoFax [Internet]. Greenwood Village (CO): Truven Health Analytics; 2019 [cited 2020 July 10]. Available from: https://neofax.micromedexsolutions.com/</p> <p>Society of Hospital Pharmacists of Australia. Pyridoxine. In: Australian Injectable Drugs Handbook [Internet]. [St Leonards, New South Wales]: Health Communication Network; 2019 [cited 2020 July 10]. Available from: http://aidh.hcn.com.au</p>

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