



NEONATAL Medication Monograph





PANTOPRAZOLE

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

Restricted: Requires Neonatologist or Gastroenterologist review within 24 hours of initiation

Presentation	Vial: 40mg powder for reconstitution
Description	Proton pump inhibitor (PPI)
Indications	Treatment of gastro-oesophageal reflux disease; including reflux oesophagitis and upper gastrointestinal bleeding
Precautions	Long term safety data in neonates is limited – once tolerated, switch to oral omeprazole
Dosage	IV: 1mg to 2mg/kg/ dose – may be given as a single dose or in 2 divided doses (every 12 hours)
Dosage Adjustment	Change to oral omeprazole as soon as practicable
Adverse Reactions	Common: vomiting, constipation, flushing
	Serious: anaemia, hypoxia, contact dermatitis
Interactions	Pantoprazole may decrease the absorption of thyroxine (levothyroxine) – separate doses by 2 hours
Compatible Fluids	Sodium Chloride 0.9%, Glucose 5%, Glucose 10%,
Administration	<u>IV Injection:</u> Give at a concentration of 4mg/mL over 2 minutes
	<u>IV Infusion:</u> Infuse over 15 minutes using a concentration of 0.4mg/mL
	<i>See Preparation Details Below</i>

Preparation	<p><u>IV Injection :</u></p> <p>Reconstitute the pantoprazole powder with 10 mL of Sodium Chloride 0.9%</p> <p>Concentration is 40mg/10mL = <u>4mg/mL</u></p> <p><u>IV Infusion:</u></p> <p>Prepare the above 4mg/mL reconstitution</p> <p>Take 1mL (4mg pantoprazole) of the above solution and make up to a final volume of 10mL with a compatible fluid</p> <p>Concentration is 4mg/10mL = <u>0.4mg/mL</u></p>
Monitoring	Long term Use – monitor serum magnesium
Storage	Store at room temperature, below 25°C. Protect from Light.
Notes	Change to oral omeprazole as soon as practicable
References	<p>Society of Hospital Pharmacists of Australia. Pantoprazole. In: Australian Injectable Drugs Handbook [Internet]. [St Leonards, New South Wales]: Health Communication Network; 2020 [cited 2020 Apr 06]. Available from: http://aidh.hcn.com.au</p> <p>Truven Health Analytics. Phenobarbital. In: NeoFax [Internet]. Greenwood Village (CO): Truven Health Analytics; 2019 [cited 2020 Apr 08]. Available from: https://neofax.micromedexsolutions.com</p> <p>Australian Medicines Handbook. Pantoprazole. In: Australian Medicines Handbook [Internet]. Adelaide (South Australia): Australian Medicines Handbook; 2020 [cited 2020 Apr 06]. Available from: https://amhonline.amh.net.au/</p> <p>Plover C, Porrello E. Paediatric injectable guidelines 2019 ed. Flemington (Victoria): The Royal Children's Hospital Melbourne; 2019</p> <p>Takemoto CK, Hodding JH, Kraus DM. Pediatric & neonatal dosage handbook with international trade names index : a universal resource for clinicians treating pediatric and neonatal patients. 24th ed. Hudson (Ohio): Lexicomp; 2019</p>

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