



NEONATAL MEDICATION GUIDELINE					
Amlodipine					
Scope (Staff):	Nursing, Medical and Pharmacy Staff				
Scope (Area):	KEMH NICU, PCH NICU, NETS WA				
This document should be read in conjunction with the <u>Disclaimer</u> .					

Quick Links			
<u>Dose</u>	Preparation & Administration	Side Effects & Interactions	<u>Monitoring</u>

Restrictions

Neonatal: Non-Formulary - IPA Required

In order not to create unnecessary delays in treatment in uncommon circumstances, medications not listed in the formulary but used in paediatrics may be used in the neonatal setting when under the direction of both a Specialist Consultant and a Neonatologist.

Paediatric Formulary: Unrestricted

Description

Dihydropyridine Calcium Channel Blocker

Presentation

Oral Suspension: 1mg/mL (prepared in KEMH pharmacy)

Storage

Store at room temperature, below 25°C

Dose

Hypertension

Oral:

100 – 200 microgram/kg/dose once daily (may be given in 2 divided doses if required)

Increase at intervals of 1-2 weeks, if necessary, up to 400 microgram/kg once daily

Maximum dose: 600 microgram/kg/day (up to 5mg/day)

Dose Adjustment

Renal Impairment: Use with caution – increased risk of serious hypotension; consider using low initial dose

Hepatic Impairment: Half-life prolonged in severe impairment; consider using low initial dose

Administration

Oral

Shake well before use.

Give at any time in regards to feeds.

Side Effects

Common: asthenia, constipation, diarrhoea, drowsiness, dyspnoea, gastrointestinal discomfort

Serious: angioedema, hepatic disorders, peripheral neuropathy, gingival hyperplasia

Interactions

Amlodipine is metabolised by enzyme CYP3A4; use caution with medications that induce CYP3A4 (amlodipine levels may be reduced) or inhibit CYP3A4 (amlodipine levels may be increased).

Amlodipine is a weak inhibitor of enzyme CYP3A4; levels of medications metabolised by enzyme CYP3A4 may be increased.

Monitoring

Heart rate

Blood pressure: pre and post dose. Monitor more frequently with initiation and dose changes

Related Policies, Procedures & Guidelines

WNHS Pharmaceutical and Medicines Management Guidelines:

<u>Prescribing and administration of medications to neonates</u>

Medication Administration

References

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Keywords	Amlodipine, hypertension, calcium channel blocker							
Document Owner:	Head of Department – Neonatology							
Author/ Reviewer	KEMH & PCH Pharmacy/Neonatology Directorate							
Version Info:	July 2021 – inaugural guideline							
Date First Issued:	19/07/2021	Last Reviewed:	19/07/2021		Review Date:	19/07/2024		
Endorsed by:	Neonatal Directo	rate Management G		Date:	27/07/2021			
NSQHS Standards Applicable:	Std 1: Clinical Governance			Std 5: Comprehensive Care				
	Std 2: Partnering with Consumers			Std 6: Communicating for Safety				
	Std 3: Preventing and Controlling Healthcare Associated Infection			Std 7: Blood Management				
	Std 4: Medication Safety			Std 8: Recognising and Responding to Acute Deterioration				
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