



NEONATAL Medication Monograph



CALCIUM CARBONATE

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

Unrestricted: Any prescriber may initiate treatment

Presentation	Oral suspension: Calcium Carbonate 500mg/5mL = 100mg/mL Contains: 40mg (1mmol) elemental calcium per mL	
Classification	Calcium supplement	
Indication	Calcium supplementation <ul style="list-style-type: none"> • Hypocalcaemia • Calcium supplement if required for infants not receiving premature formula or fortified breastmilk 	
Dose	<u>Enteral nutrition, maintenance requirement</u> Oral: Initial dose: 1mL/ kg/ dose every 12 hours of elemental calcium, increasing up to every 8 hours if needed 1mL = 40mg = 1mmol of elemental calcium	
Monitoring	Serum calcium concentration, ionised calcium concentration, phosphate, magnesium, heart rate	
Dose Adjustment	Dose can vary according to calcium intake. Initial required intake is 80-120mg/kg per day. Recommended total daily intake of elemental calcium from all sources: 120mg -200mg per day.	
Guidelines & Resources	Vitamin and Mineral Supplementation	
Administration	To be administered via oral route with feeds	
Adverse Reactions	Common	Flatulence, constipation
	Serious	Gastric hyper-secretion, acid rebound with prolonged use
Storage	Store at room temperature – below 25°C	

Interactions	Do not mix with any fluids that contain phosphates, carbonates, sulfates or tartrates.
Notes	<ul style="list-style-type: none"> Given in conjunction with buffered sodium phosphate mixture Do <u>not</u> mix with Buffered sodium phosphate mixture, administer at different times Use with caution in neonates who are currently receiving frusemide If intravenous calcium therapy is required refer to calcium gluconate guideline
References	<p>Truven Health Analytics. Calcium carbonate. In: Micromedex [Internet]. Greenwood Village (CO): Truven Health Analytics; 2019 [cited 2020 Jan 24]. Available from: http://www.micromedexsolutions.com/</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. 23rd ed. Hudson (Ohio): Lexicomp; 2017. 2,401.</p> <p>Truven Health Analytics. Calcium - Oral. In: NeoFax [Internet]. Greenwood Village (CO): Truven Health Analytics; 2020 [cited 2020 Jan 24]. Available from: https://neofax.micromedexsolutions.com/</p>

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Author / Reviewer:	KEMH & PCH Pharmacy / Neonatology Directorate		
Date first issued:	August 2013	Version:	3.0
Last reviewed:	January 2020	Next review date:	January 2023
Endorsed by:	Neonatal Directorate Management Group	Date:	January 2020
Standards Applicable:	NSQHS Standards: 1  Clinical Governance , 4  Medication Safety;		
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