NEONATAL Medication Monograph

PHOSPHATE (Buffered)

This document should be read in conjunction with this **DISCLAIMER**

Unrestricted: Any prescriber may initiate treatment as per guideline

Presentation	Phosphate (Buffered) 1mmol/mL (KEMH)
Description	Phosphate Supplementation
Indications	Phosphate supplement for infants born <35 weeks gestation not receiving premature formula or fortified breastmilk for treatment of metabolic bone disease.
Contraindications	Hyperphosphatemia
Precautions	Cardiac disease, dehydration, sodium and potassium concentrations of preparations, renal impairment
Dosage	**Oral:** 1mmol/ kg/ dose 12 hourly (as Phosphate ions)
Adverse Reactions	**Common:** GI discomfort, diarrhoea, hypotension
	Serious: hypocalcaemia, hyperphosphataemia
Interactions	Concurrent administration with calcium carbonate mixture may reduce absorption due to binding and formation of insoluble salts; separate dosing times by TWO hours
Preparation	**Prepared in KEMH Pharmacy** Each 1mL contains: Phosphate ions 1 mmol Sodium ions 1.6 mmol Potassium 0.2 mmol
Administration	May be given at any time with regard to feeds
Monitoring	Serum calcium and phosphate levels
Storage	Store at room temperature, below 25°C
Interactions	Interaction with Calcium products – ensure dose times are separated

Notes	Calcium Supplement to be prescribed when phosphate supplements initiated to prevent metabolic bone disease **Do <u>not</u> mix with calcium carbonate mixture, administer at different times**
References	Paediatric Formulary Committee. BNF for Children: 2018-2019. Pharmaceutical Press; 2018. Ainsworth SB. Neonatal formulary 7: drug use in pregnancy and the first year of life. Seventh ed. Chichester (West Sussex): John Wiley & Sons Inc.; 2015. 631 p. 405
Related clinical guidelines	Vitamin and Mineral Supplementation

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