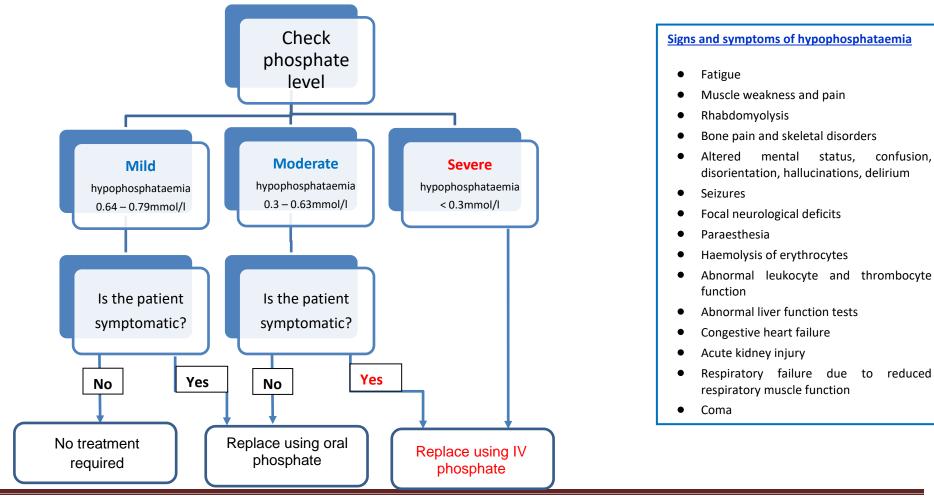




NECTAR GUIDELINES FOR MANAGEMENT OF HYPOPHOSPHATEMIA IN CHILDREN

Management of hypophosphatemia will depend on blood phosphate levels and patient symptoms.

A) Algorithm for phosphate management







B) Phosphate preparation & doses

Oral phosphate correction:

Age	Initial dose (then adjust according to serum levels)		
Neonate	1 mmol/kg/day in 1-2 divided doses		
1 month to <5 years	2-3 mmol/kg/day in 2-4 divided doses mmol/day)	(maximum 48	
5 years and over	2-3 mmol/kg/day in 2-4 divided doses (maximum 97 mmol/day)		

• Duration: a 3-day course of oral phosphate supplements should be prescribed initially, and the duration then adjusted according to serum phosphate levels (see section 3.5 'Monitoring').

Intravenous phosphate correction:

Dosage, preparation & administration on a PAEDIATRIC WARD:

	Dose (prescribe as ONCE only)	Infuse over a MINIMUM* of	Preparation		
Age			Phosphate polyfusor# Contains: Na 81mmol in 500ml K 9.5mmol in 500ml PO4 50mmol in 500ml	Sodium glycerophosphate 2 Conta Na 40mmo PO4 20mm	nins: ol in 20ml
Neonate	1 mmol/kg	20 hours	PERIPHERAL OR CENTRAL ADMINISTRATION:	PERIPHERAL ADMINISTRATION: Dilute to a maximum	CENTRAL ADMINISTRATION: Dilute to a maximum
1 month to < 2 years	0.7 mmol/kg (max. 20mmol)	14 hours	Give neat	concentration of 0.05 mmol/ml	concentration of 0.1 mmol/ml





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2 years and over	0.4 mmol/kg (max. 20mmol)	8 hours		phosphate with sodium chloride 0.9% or glucose 5%	phosphate with sodium chloride 0.9% or glucose 5%

^{*} Length of infusion is the same for both peripheral and central line administration.

C) Monitoring

- Serum phosphate:
 - O Levels should be checked 1-2 hours after an IV correction has been given.
 - O Monitor phosphate levels 6-hourly in severe, symptomatic hypophosphataemia.
 - O Monitor phosphate levels daily in moderate hypophosphataemia, until back in normal range.
- Serum calcium, magnesium, potassium, and sodium.
- Blood pressure and ECG monitoring is required if:
 - Treating severe hypophosphataemia, OR
 - O The phosphate infusion rate exceeds 0.05mmol/kg/hour.
- Renal function.
- Fluid balance.

** Please contact NECTAR if you have any concerns.

^{*} IV phosphate corrections should be prescribed as ONCE only infusions.