

## BHS Prematurity Screening Guidelines

	Who	What	When
<b>Vitamin D deficiency</b>	< 37/40 or < 2 kg BW or Maternal risk factors (vit D def, dark skin, veiled)	<b>Cholecalciferol:</b> 500 international units (0.1 ml) oral daily	<b>Start</b> D5 (day 5) <b>Stop</b> 12 months corrected age
<b>Anaemia of prematurity</b>	< 34/40 or < 2 kg BW	<b>Ferrous sulphate</b> (Ferroliquid) 6 mg/ml elemental Fe: 0.5ml (< 2 kg), 1.0ml (>2 kg)	<b>Start</b> D14* if tolerating full feeds <b>Stop</b> 6 months corrected age and taking some solids <i>* not required if on pre-term formula or fortified EBM</i>
<b>Osteopenia of prem.</b>	< 28/40 or < 1 kg BW (ELBW)  Screening: ALP, Ca, PO4 (and FBE/retics) 2 <sup>nd</sup> weekly from 32/40 CGA until 36/40 CGA	<b>Calcium</b> 2 mmol/kg/day & <b>Phosphate</b> 2 mmol/kg/day NGT/oral bd dosing - adjust dosing for weight only if bloods abnormal	<b>Start</b> if PO4 ≤1.8 mmol/L or ALP ≥ 600 IU/L, recheck weekly bone bloods if on supplements, or 2 <sup>nd</sup> weekly from 40/40 CGA if on supplements > 36/40 <b>Stop</b> at 36/40 if bloods normal or at/after 40/40 CGA if 2 x bloods normal
<b>Neurological screening</b>	< 32/40 or ≥ 32/40 with risk factors (microcephaly, seizures, hypotonia, severe TCP, HIE, etc.)	Cranial ultrasound	1 <sup>st</sup> : Day 2/3* 2 <sup>nd</sup> : Day 14* 3 <sup>rd</sup> : 36/40 CGA* <i>* timing can be adjusted to correlate with referring tertiary hospital</i>
<b>Retinopathy of prem. (ROP)</b>	< 30/40 or < 1250 g BW or > 1250 g BW/≥30/40 with risk factors (twin-twin transfusion, nitric oxide, hydrops, severe sepsis, IVH grade 3-4, ventilator requirement > 1 week)	Retinopathy screen occurs on Tuesdays (inform ophthalmology prior and write up eye drops the day before)	<b>Start</b> 30-32/40 CGA then - 1-2 weekly if high risk - 2-3 weekly if low risk <b>Stop</b> once retina fully vascularized (approx. 36/40 CGA) - some infants require post term screening to exclude late ROP

BW – birth weight

CGA – corrected gestational age

TCP - thrombocytopenia

HIE – hypoxic ischaemic encephalopathy