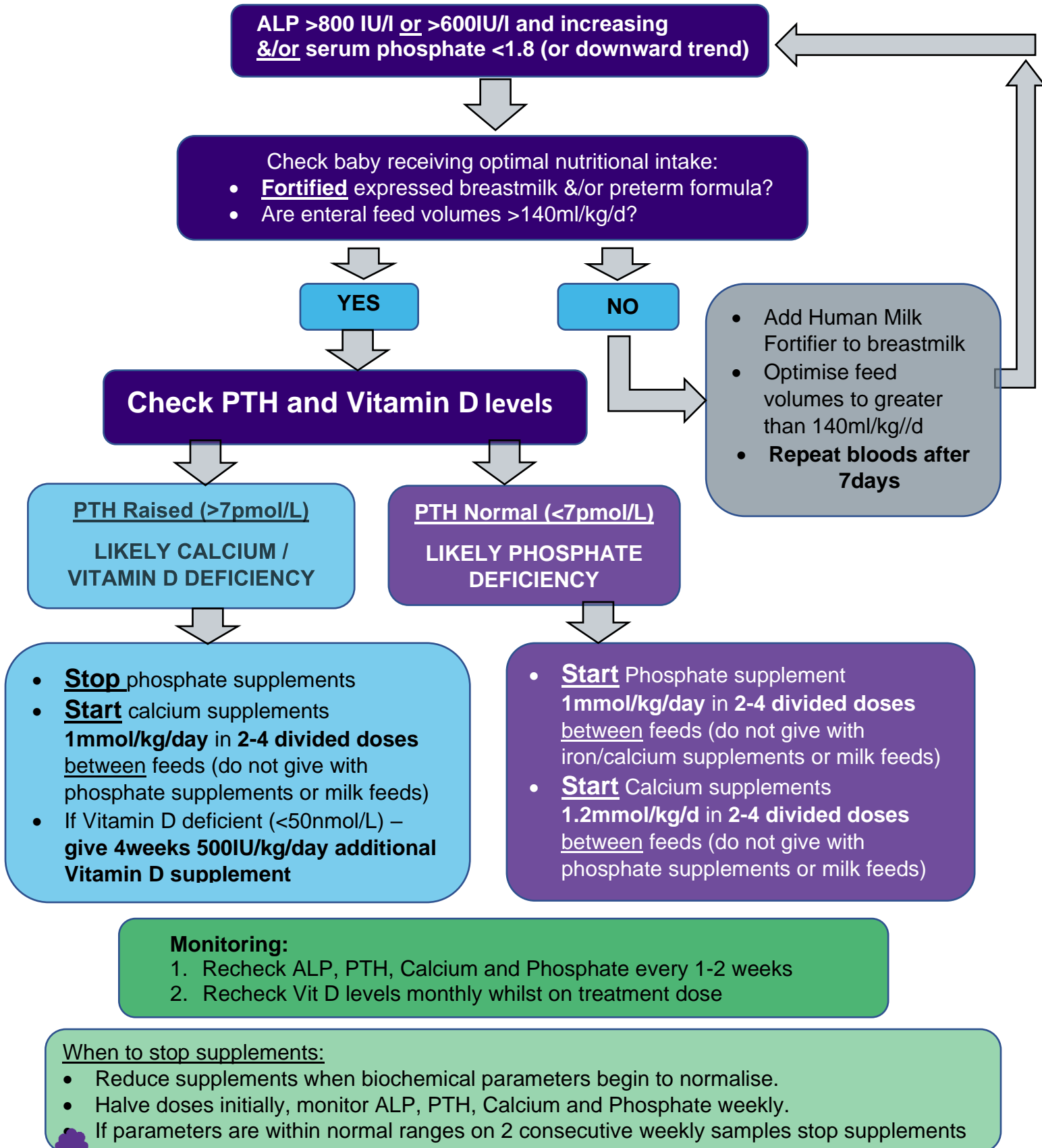




## Nutritional Management of Metabolic Bone Disease

### (Enteral Feeding Only)

Please refer to network guidelines for further information and guidance.





**Recommended screening for MBDP** (adapted from Chinoy et al, 2019)

At risk groups	<b><u>Who</u></b>	Preterm: gestational age less than 28 weeks. Low birth weight: less than 1500 g. Parenteral nutrition for over 2 weeks. Chronic lung disease/bronchopulmonary dysplasia. Necrotising enterocolitis. Prolonged prescribing of glucocorticoids, antacids or loop diuretics.
Screening	<b><u>when</u></b>	From 2–3 weeks of age. 1–2 weekly depending on degree of risk.
Screening	<b><u>what</u></b>	Bone profile: serum ALP, phosphate and adjusted calcium.

**References:**

- Metabolic Bone Disease. West Midlands Neonatal Bedside Guidelines 2022-24
- Chinoy A, Mughal MZ, Padidela R. [Metabolic bone disease of prematurity: causes, recognition, prevention, treatment and long-term consequences](#). Arch Dis Child Fetal Neonatal Ed. 2019 Sep;104(5):F560-F566. doi: 10.1136/archdischild-2018-316330. Epub 2019 May 11.
- Rayannavar A, Calabria AC. [Screening for Metabolic Bone Disease of prematurity](#). Semin Fetal Neonatal Med. 2020 Feb;25(1):101086. doi: 10.1016/j.siny.2020.101086. Epub 2020 Jan 16. PMID: 32081592.
- Embleton, Nicholas et al. Enteral Nutrition in Preterm Infants (2022): A Position Paper from the ESPGHAN Committee on Nutrition and invited experts. Journal of Pediatric Gastroenterology and Nutrition ():10.1097/MPG.0000000000003642, October 21, 2022.

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