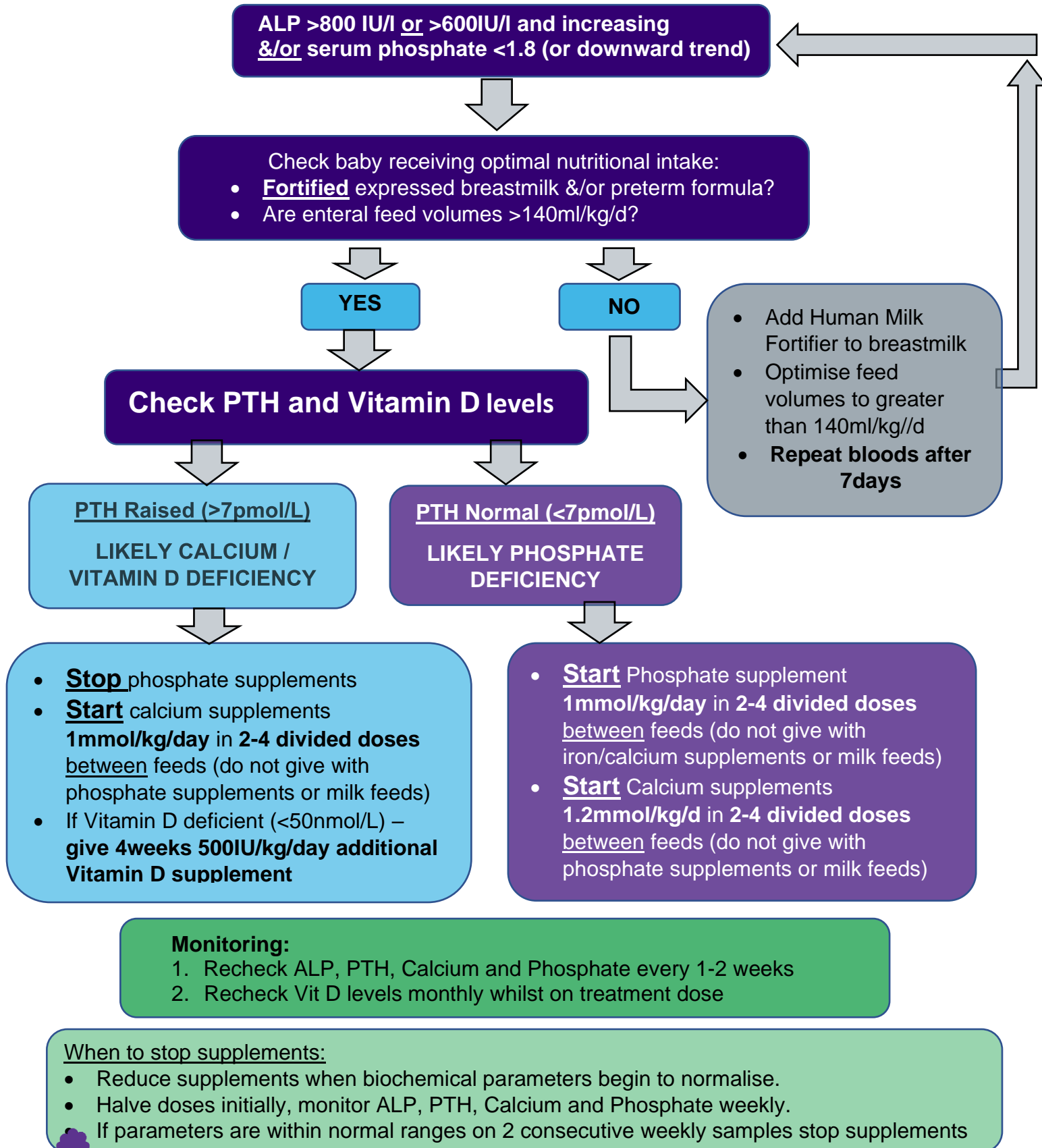




Nutritional Management of Metabolic Bone Disease

(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	<u>Who</u>	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	<u>when</u>	From 2–3 weeks of age. 1–2 weekly depending on degree of risk.
Screening	<u>what</u>	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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