

Guidelines for the management of children with suspected Vitamin D deficiency



If an individual has been treated for deficiency then a repeat bone profile and 25-hydroxyvitamin D concentration should be performed shortly after completion of treatment (2-3 months after commencement of treatment) to ensure that any biochemical abnormality has resolved and that the serum 25-hydroxyvitamin D concentration is >50nmol/L. If any abnormality has not resolved despite compliance with adequate vitamin D treatment and you are confident about compliance then consider referral to secondary care team. Discuss with secondary care team if you have any concerns about vitamin D toxicity.

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Life style advice

- Safe exposure to sunlight is the main source of vitamin D. Aim to follow current NHS guidance on sun exposure for babies, infants and children. <u>https://www.nhs.uk/conditions/pregnancy-and-baby/safety-in-the-sun</u>
- Dietary source of vitamin D include oily fish, dairy products, liver and egg yolk.

Primary care guidance

- If being prescribed on an FP10 then vitamin D preparations then to be prescribed as the brand name 'InVita D3''or 'Thorens' to ensure the correct licensed preparation is dispensed in line with local formulary choice.
- Healthy Start vitamins are available from all children's centres in Doncaster and are free to families eligible for Healthy Start vouchers for children under the age of four.
 https://www.healthystart.nhs.uk/for-health-professionals/vitamins/
- Vitamin D preparations are available as a health food supplement i.e. Abidec or Dalavit could be used as prevention/maintenance therapy and can also be purchased from community pharmacy, health stores or supermarket.

Calcium Supplementation

Always consider the need for improving calcium intake. Many children with vitamin D deficiency will have a depleted calcium status and/or a poor calcium intake and may therefore benefit from advice about dietary calcium intake.

References

- 1. National Osteoporosis Society (NOS) guideline Vitamin D and bone health: a practical clinical guideline for management in children and young people [National Osteoporosis Society, 2015]
- 2. The National Institute for Health and Care Excellence (NICE) guideline *Vitamin D: supplement use in specific population groups* [NICE, 2014] 3. RCPCH Guidance for Vitamin D in Childhood Oct 2013.
- 4. Sheffield CCG Guidelines for the management of children with suspected vitamin D deficiency in primary care setting.
- 5. SACN Vitamin D and Health 2016
- 6. NICE CKS Vitamin D deficiency in children 2016
- 7. Invita D3 2,400 IU/ml oral drops, solution SPC
- 8. THORENS 10 000 I.U. /ml oral drops, solution SPC

These guidelines have been developed by the Medicines Management Team in collaboration with DBTHFT and Primary Care Clinicians. V2.0 Review date May 2021