

Appendix 3 -Vitamin and Trace Elements Prescribing and Administration Instructions

Nutratain and Addaven

These vitamins, minerals and trace elements need to be given to a patient if they have been prescribed Triomel vitamin and mineral-free PN

Prescribing instructions:

SRH/WH: Search for “TPN additives” under the protocol tab on EPMA and select it.

RSCH/PRH: TPN additives are part of the protocol on EPMA for all stock PN bags and will automatically be prescribed alongside PN.

Nutratain (stored in the fridge): 1 vial (5 ml) per day for adults and children 11 years of age or above

Contraindications: allergy to any of the ingredients including soy/peanut protein/products, pre-existing hypervitaminosis, severe hypercalcaemia/ hypercalcuria, combination with vitamin A/retinoids. Precautions should be taken with pre-existing liver disease with increased susceptibility to vitamin A toxicity, especially in chronic alcohol abuse and in patients with renal impairment in the pre-dialysis phase

Addaven: 1 vial (10 ml) per day for adults and children over 40 kg

Contraindications: allergy to the active substances or to any of the excipients. Precaution should be used in patients with biochemical or clinical evidence of liver dysfunction, impaired biliary and/or renal function due to a decrease in excretion which may lead to accumulation

To prepare the vitamins and trace elements:

- Administer through the second lumen of a PICC line or any line *not* dedicated for PN
- Do **not** add directly to the PN bag
- Do **not** mix Nutratain and Addaven together
- Nutratain should be administered first, followed by Addaven.
 - IV Nutratain –. 1 vial every 24 hours. Mix 1 vial in 100 ml NaCl 0.9% administered over 30 minutes every 24 hours
 - IV Addaven –1 ampoule in 100ml NaCl 0.9% over 2 hours every 24 hours