

haemorrhage · hirsutism · hyperhidrosis · hyperparathyroidism · hypertension · hypotension · increased risk of infection · insomnia · joint disorders · leucopenia · lymphadenopathy · myoclonus · oedema · pulmonary oedema · sensation abnormal · sepsis · syncope · weight decreased

- **PREGNANCY** Manufacturer advises avoid—toxicity in *animal* studies.
- **BREAST FEEDING** Manufacturer advises avoid—no information available.
- **MONITORING REQUIREMENTS**
  - ▶ Monitor plasma calcium and phosphate during dose titration and at least monthly when stabilised.
  - ▶ Monitor parathyroid hormone concentration.

- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug.

#### Solution for injection

EXCIPIENTS: May contain Ethanol, propylene glycol

##### ▶ Zemplar (AbbVie Ltd)

Paricalcitol 5 microgram per 1 ml Zemplar 5micrograms/1ml solution for injection vials | 5 vial [PoM] £62.00 (Hospital only)

#### Capsule

EXCIPIENTS: May contain Ethanol

##### ▶ Zemplar (AbbVie Ltd)

Paricalcitol 1 microgram Zemplar 1microgram capsules | 28 capsule [PoM] £69.44 DT = £69.44

Paricalcitol 2 microgram Zemplar 2microgram capsules | 28 capsule [PoM] £138.88 DT = £138.88

## VITAMINS AND TRACE ELEMENTS > VITAMIN E

### Alpha tocopherol

(Tocopherol)

06-May-2020

#### ● INDICATIONS AND DOSE

**Vitamin E deficiency because of malabsorption in congenital or hereditary chronic cholestasis**

- ▶ BY MOUTH USING ORAL SOLUTION
- ▶ Child: 17 mg/kg daily, dose to be adjusted as necessary

- **CAUTIONS** Predisposition to thrombosis
- **INTERACTIONS** → Appendix 1: vitamin E substances
- **SIDE-EFFECTS**
  - ▶ Common or very common Diarrhoea
  - ▶ Uncommon Alopecia · asthenia · headache · skin reactions
  - ▶ Frequency not known Abdominal pain
- **PREGNANCY** Manufacturer advises caution, no evidence of harm in *animal* studies.
- **BREAST FEEDING** Manufacturer advises use only if potential benefit outweighs risk—no information available.
- **HEPATIC IMPAIRMENT** Manufacturer advises caution.
- **RENAL IMPAIRMENT** Manufacturer advises caution. Risk of renal toxicity due to polyethylene glycol content. **Monitoring** Manufacturer advises monitor closely in renal impairment.
- **PRESCRIBING AND DISPENSING INFORMATION** Tocofersolan is a water-soluble form of D-alpha tocopherol.

- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug.

#### Oral solution

##### ▶ Vedrop (Recordati Rare Diseases UK Ltd) ▼

D-alpha tocopherol (as Tocofersolan) 50 mg per 1 ml Vedrop 50mg/ml oral solution sugar-free | 20 ml [PoM] £54.55 DT = £54.55 sugar-free | 60 ml [PoM] £163.65

## Alpha tocopheryl acetate

(Tocopherol)

#### ● INDICATIONS AND DOSE

**Vitamin E deficiency**

- ▶ BY MOUTH
- ▶ Child: 2–10 mg/kg daily, increased if necessary up to 20 mg/kg daily

**Malabsorption in cystic fibrosis**

- ▶ BY MOUTH
- ▶ Child 1-11 months: 50 mg once daily, dose to be adjusted as necessary, to be taken with food and pancreatic enzymes
- ▶ Child 1-11 years: 100 mg once daily, dose to be adjusted as necessary, to be taken with food and pancreatic enzymes
- ▶ Child 12-17 years: 100–200 mg once daily, dose to be adjusted as necessary, to be taken with food and pancreatic enzymes
- ▶ Adult: 100–200 mg once daily, dose to be adjusted as necessary, to be taken with food and pancreatic enzymes

**Vitamin E deficiency in cholestasis and severe liver disease**

- ▶ BY MOUTH
- ▶ Child 1 month-11 years: Initially 100 mg daily, adjusted according to response, increased if necessary up to 200 mg/kg daily
- ▶ Child 12-17 years: Initially 200 mg daily, adjusted according to response, increased if necessary up to 200 mg/kg daily

**Malabsorption in abetalipoproteinaemia**

- ▶ BY MOUTH
- ▶ Adult: 50–100 mg/kg once daily

- **CAUTIONS** Predisposition to thrombosis
- **INTERACTIONS** → Appendix 1: vitamin E substances
- **SIDE-EFFECTS** Abdominal pain (more common at high doses) · bleeding tendency · diarrhoea (more common at high doses) · increased risk of thrombosis
- **PREGNANCY** No evidence of safety of high doses.
- **BREAST FEEDING** Excreted in milk; minimal risk, although caution with large doses.
- **MONITORING REQUIREMENTS** Increased bleeding tendency in vitamin-K deficient patients or those taking anticoagulants (prothrombin time and INR should be monitored).

- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug. Forms available from special-order manufacturers include: chewable tablet

#### Oral suspension

EXCIPIENTS: May contain Sucrose

##### ▶ Alpha tocopheryl acetate (Non-proprietary)

Alpha tocopheryl acetate 100 mg per 1 ml Alpha tocopheryl acetate 500mg/5ml oral suspension | 100 ml [GSL] £69.67 DT = £67.21

##### ▶ Liqua-E (TriOn Pharma Ltd)

Alpha tocopheryl acetate 100 mg per 1 ml Liqua-E 500mg/5ml oral suspension | 100 ml £52.96 DT = £67.21

#### Chewable tablet

##### ▶ E-Tabs (Ennogen Healthcare Ltd)

Alpha tocopheryl acetate 100 mg E-Tabs 100mg chewable tablets | 30 tablet £87.30

##### ▶ Ephynal (Imported (Italy))

Alpha tocopheryl acetate 100 mg Ephynal 100mg chewable tablets | 30 tablet [X]

#### Capsule

##### ▶ Alpha tocopheryl acetate (Non-proprietary)

Alpha tocopherol 75 unit Vitamin E 75unit capsules | 100 capsule £13.05