





- **HEPATIC IMPAIRMENT** Avoid.
- **RENAL IMPAIRMENT** Use with caution.
- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug. Forms available from special-order manufacturers include: tablet, capsule

**Capsule**

CAUTIONARY AND ADVISORY LABELS 21

- ▶ **Betacarotene (Non-proprietary)**
- Betacarotene 25 mg** Carotaben 25mg capsules | 100 capsule  
- Betacarotene 30 mg** Lumitene 30mg capsules | 100 capsule  
- ▶ **Bio-Carotene** (Pharma Nord (UK) Ltd)
- Betacarotene 9 mg** Bio-Carotene 9mg capsules | 150 capsule £5.51
- ▶ **Super Betavit** (Health+Plus Ltd)
- Betacarotene 15 mg** Super Betavit 15mg capsules | 30 capsule £3.59

## 11 Superficial soft-tissue injuries and superficial thrombophlebitis

### Topical circulatory preparations

**Overview**

These preparations are used to improve circulation in conditions such as bruising and superficial thrombophlebitis but are of little value. First aid measures such as rest, ice, compression, and elevation should be used. Chilblains are best managed by avoidance of exposure to cold; neither systemic nor topical vasodilator therapy is established as being effective.

**HEPARINOIDS****Heparinoid**● **INDICATIONS AND DOSE****Superficial thrombophlebitis | Bruising | Haematoma**

▶ TO THE SKIN

- ▶ Child 5–17 years: Apply up to 4 times a day



- **CONTRA-INDICATIONS** Should not be used on large areas of skin, broken or sensitive skin, or mucous membranes

- **LESS SUITABLE FOR PRESCRIBING** Hirudoid<sup>®</sup> is less suitable for prescribing.

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



**Cream**

EXCIPIENTS: May contain Cetostearyl alcohol (including cetyl and stearyl alcohol), hydroxybenzoates (parabens)

- ▶ **Hirudoid** (Genus Pharmaceuticals Ltd)
- Heparinoid 3 mg per 1 gram** Hirudoid 0.3% cream | 50 gram  
- £3.99 DT = £3.99

**Gel**

EXCIPIENTS: May contain Fragrances, propylene glycol

- ▶ **Hirudoid** (Genus Pharmaceuticals Ltd)
- Heparinoid 3 mg per 1 gram** Hirudoid 0.3% gel | 50 gram  
- £3.99 DT = £3.99

## 12 Warts and calluses

### Warts and calluses

**Overview**

Warts (verruca vulgaris) are common, benign, self-limiting, and usually asymptomatic. They are caused by a human papillomavirus, which most frequently affects the hands, feet (plantar warts), and the anogenital region; treatment usually relies on local tissue destruction and is required only if the warts are painful, unsightly, persistent, or cause distress. In immunocompromised children, warts may be more difficult to eradicate.

Preparations of salicylic acid p. 791, formaldehyde p. 790, glutaraldehyde p. 790 or silver nitrate p. 790 are used for the removal of warts on hands and feet. Salicylic acid is a useful keratolytic which may be considered first-line in the treatment of warts; it is also suitable for the removal of *corns and calluses*. Preparations of salicylic acid in a colloidion basis are available but some patients may develop an allergy to colophony in the formulation; colloidion should be avoided in children allergic to elastic adhesive plaster. Cryotherapy causes pain, swelling, and blistering, and may be no more effective than topical salicylic acid in the treatment of warts.

**Anogenital warts**

Anogenital warts (condylomata acuminata) in children are often asymptomatic and require only a simple barrier preparation. If treatment is required it should be supervised by a hospital specialist. Persistent warts on genital skin may require treatment with cryotherapy or other forms of physical ablation under general anaesthesia.

Podophyllotoxin below (the major active ingredient of podophyllum), or imiquimod p. 791 are used to treat external anogenital warts; these preparations can cause considerable irritation of the treated area and are therefore suitable only for children who are able to co-operate with the treatment.

**ANTINEOPLASTIC DRUGS > PLANT ALKALOIDS****Podophyllotoxin**● **INDICATIONS AND DOSE****CONDYLIN<sup>®</sup>****Condylomata acuminata affecting the penis or the female external genitalia**

▶ TO THE LESION

- ▶ Child 2–17 years (initiated under specialist supervision): Apply twice daily for 3 consecutive days, treatment may be repeated at weekly intervals if necessary for a total of five 3-day treatment courses, direct medical supervision for lesions in the female and for lesions greater than 4 cm<sup>2</sup> in the male, maximum 50 single applications ('loops') per session (consult product literature)

**WARTICON<sup>®</sup> CREAM****Condylomata acuminata affecting the penis or the female external genitalia**

▶ TO THE LESION

- ▶ Child 2–17 years (initiated under specialist supervision): Apply twice daily for 3 consecutive days, treatment may be repeated at weekly intervals if necessary for a total of four 3-day treatment courses, direct medical supervision for lesions greater than 4 cm<sup>2</sup> continued →