

**Gastro-resistant tablet**

CAUTIONARY AND ADVISORY LABELS 5, 10, 25

▶ **Prednisolone (Non-proprietary)****Prednisolone 1 mg** Prednisolone 1mg gastro-resistant tablets | 30 tablet [PoM] £1.60–£1.92 DT = £1.92**Prednisolone 2.5 mg** Prednisolone 2.5mg gastro-resistant tablets | 28 tablet [PoM] £0.93 DT = £0.93 | 30 tablet [PoM] £0.98–£6.15**Prednisolone 5 mg** Prednisolone 5mg gastro-resistant tablets | 28 tablet [PoM] £2.34 DT = £0.94 | 30 tablet [PoM] £0.96–£6.29▶ **Deltacortril Enteric** (Alliance Pharmaceuticals Ltd)**Prednisolone 2.5 mg** Deltacortril 2.5mg gastro-resistant tablets | 30 tablet [PoM] £1.16**Prednisolone 5 mg** Deltacortril 5mg gastro-resistant tablets | 30 tablet [PoM] £1.19▶ **Dilacort** (Crescent Pharma Ltd, Teva UK Ltd)**Prednisolone 2.5 mg** Dilacort 2.5mg gastro-resistant tablets | 28 tablet [PoM] £1.14–£1.85 DT = £0.93**Prednisolone 5 mg** Dilacort 5mg gastro-resistant tablets | 28 tablet [PoM] £1.45–£1.85 DT = £0.94**Soluble tablet**

CAUTIONARY AND ADVISORY LABELS 10, 13, 21

▶ **Prednisolone (Non-proprietary)****Prednisolone (as Prednisolone sodium phosphate)**

5 mg Prednisolone 5mg soluble tablets | 30 tablet [PoM] £53.48 DT = £17.27

**Tablet**

CAUTIONARY AND ADVISORY LABELS 10, 21

▶ **Prednisolone (Non-proprietary)****Prednisolone 1 mg** Prednisolone 1mg tablets | 28 tablet [PoM]

£4.00 DT = £0.63

**Prednisolone 2.5 mg** Prednisolone 2.5mg tablets | 28 tablet [PoM]

£1.35

**Prednisolone 5 mg** Prednisolone 5mg tablets | 28 tablet [PoM]

£9.86 DT = £0.74

**Prednisolone 10 mg** Prednisolone 10mg tablets | 28 tablet [PoM]

£1.77

**Prednisolone 20 mg** Prednisolone 20mg tablets | 28 tablet [PoM]

£3.55

**Prednisolone 25 mg** Prednisolone 25mg tablets | 56 tablet [PoM]

£78.38 DT = £77.23

**Prednisolone 30 mg** Prednisolone 30mg tablets | 28 tablet [PoM]

£8.15 DT = £8.15

▶ **Pevanti** (Advanz Pharma)**Prednisolone 2.5 mg** Pevanti 2.5mg tablets | 30 tablet [PoM] £1.42

DT = £1.42

**Prednisolone 5 mg** Pevanti 5mg tablets | 30 tablet [PoM] £0.95**Prednisolone 10 mg** Pevanti 10mg tablets | 30 tablet [PoM] £1.90

DT = £1.90

**Prednisolone 20 mg** Pevanti 20mg tablets | 30 tablet [PoM] £3.80

DT = £3.80

**Prednisolone 25 mg** Pevanti 25mg tablets | 56 tablet [PoM] £40.00

DT = £77.23

**Suppository**▶ **Prednisolone (Non-proprietary)****Prednisolone (as Prednisolone sodium phosphate)**

5 mg Prednisolone sodium phosphate 5mg suppositories | 10 suppository [PoM] £70.73 DT = £69.79

**Oral solution**

CAUTIONARY AND ADVISORY LABELS 10

▶ **Prednisolone (Non-proprietary)****Prednisolone 1 mg per 1 ml** Prednisolone 5mg/5ml oral solution unit

dose | 10 unit dose [PoM] £11.41 DT = £11.41

**Prednisolone 10 mg per 1 ml** Prednisolone 10mg/ml oral solution

sugar free sugar-free | 30 ml [PoM] £55.50 DT = £55.50

## 2.1 Cushing's syndrome and disease

### Cushing's Syndrome

#### Management

Most types of *Cushing's syndrome* are treated surgically. Metyrapone p. 461 may be useful to control the symptoms of the disease or to prepare the child for surgery. The dosages

of metyrapone used are either low, and tailored to cortisol production, or high, in which case corticosteroid replacement therapy is also needed.

Ketoconazole below may have a direct effect on corticotrophic tumour cells in patients with Cushing's disease. It is used under specialist supervision in children over 12 years for treatment of endogenous Cushing's syndrome.

### ENZYME INHIBITORS

#### Ketoconazole

02-Apr-2019

● **DRUG ACTION** An imidazole derivative which acts as a potent inhibitor of cortisol and aldosterone synthesis by inhibiting the activity of 17 $\alpha$ -hydroxylase, 11-hydroxylation steps and at higher doses the cholesterol side-chain cleavage enzyme. It also inhibits the activity of adrenal C17–20 lyase enzymes resulting in androgen synthesis inhibition, and may have a direct effect on corticotrophic tumour cells in patients with Cushing's disease.

● **INDICATIONS AND DOSE****Endogenous Cushing's syndrome (specialist use only)**▶ **BY MOUTH**

▶ Child 12–17 years: Initially 400–600 mg daily in 2–3 divided doses, increased to 800–1200 mg daily; maintenance 400–800 mg daily in 2–3 divided doses, for dose titrations in patients with established dose, adjustments in adrenal insufficiency, or concomitant corticosteroid replacement therapy, consult product literature; maximum 1200 mg per day

● **CONTRA-INDICATIONS** Acquired QTc prolongation · Acute porphyrias p. 624 · avoid concomitant use of hepatotoxic drugs · congenital QTc prolongation

● **CAUTIONS** Pre-treatment liver enzymes should not exceed 2 times the normal upper limit · risk of adrenal insufficiency

● **INTERACTIONS** → Appendix 1: antifungals, azoles

● **SIDE-EFFECTS**

▶ **Common or very common** Adrenal insufficiency · diarrhoea · gastrointestinal discomfort · nausea · skin reactions · vomiting

▶ **Uncommon** Allergic conditions · alopecia · angioedema · asthenia · dizziness · drowsiness · headache · thrombocytopenia

▶ **Rare or very rare** Fever · hepatic disorders · taste altered

▶ **Frequency not known** Alcohol intolerance · appetite abnormal · arthralgia · azoospermia · dry mouth · epistaxis · flatulence · fontanelle bulging · gynaecomastia · hot flush · insomnia · intracranial pressure increased · malaise · menstrual disorder · myalgia · nervousness · papilloedema · paraesthesia · peripheral oedema · photophobia · photosensitivity reaction · tongue discoloration

**SIDE-EFFECTS, FURTHER INFORMATION** Potentially life-threatening hepatotoxicity reported rarely with oral use.

● **CONCEPTION AND CONTRACEPTION** Effective contraception must be used in women of child-bearing potential.

● **PREGNANCY** Manufacturer advises avoid—teratogenic in animal studies.

● **BREAST FEEDING** Manufacturer advises avoid—present in breast milk.

● **HEPATIC IMPAIRMENT** Manufacturer advises avoid.

● **MONITORING REQUIREMENTS**

▶ Monitor ECG before and one week after initiation, and then as clinically indicated thereafter.

▶ Adrenal insufficiency Monitor adrenal function within one week of initiation, then regularly thereafter. When cortisol levels are normalised or close to target and effective dose