

## ANTIPSYCHOTICS &gt; FIRST-GENERATION

F 250

## Droperidol

15-Mar-2017

- **DRUG ACTION** Droperidol is a butyrophenone, structurally related to haloperidol, which blocks dopamine receptors in the chemoreceptor trigger zone.

## ● INDICATIONS AND DOSE

**Prevention and treatment of postoperative nausea and vomiting**

## ▶ BY INTRAVENOUS INJECTION

- ▶ Child 2–17 years: 20–50 micrograms/kg (max. per dose 1.25 mg), dose to be given 30 minutes before end of surgery, then 20–50 micrograms/kg every 6 hours (max. per dose 1.25 mg) if required

- **CONTRA-INDICATIONS** Bradycardia · CNS depression · comatose states · hypokalaemia · hypomagnesaemia · phaeochromocytoma · QT-interval prolongation
- **CAUTIONS** Chronic obstructive pulmonary disease · electrolyte disturbances · history of alcohol abuse · respiratory failure
- **INTERACTIONS** → Appendix 1: droperidol
- **SIDE-EFFECTS**
  - ▶ **Uncommon** Anxiety · oculogyration
  - ▶ **Rare or very rare** Blood disorder · cardiac arrest · confusion · dysphoria
  - ▶ **Frequency not known** Coma · epilepsy · hallucination · oligomenorrhoea · respiratory disorders · SIADH · syncope
- **BREAST FEEDING** Limited information available—avoid repeated administration.
- **HEPATIC IMPAIRMENT** Manufacturer advises caution. **Dose adjustments** Manufacturer advises maximum 625 micrograms repeated every 6 hours as required.
- **RENAL IMPAIRMENT** **Dose adjustments** In postoperative nausea and vomiting, max. 625 micrograms repeated every 6 hours as required.
- **MONITORING REQUIREMENTS** Continuous pulse oximetry required if risk of ventricular arrhythmia—continue for 30 minutes following administration.

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

**Solution for injection**▶ **Droperidol (Non-proprietary)**

**Droperidol 2.5 mg per 1 ml** Droperidol 2.5mg/1ml solution for injection ampoules | 10 ampoule [PoM] 

▶ **Xomolix (Kyowa Kirin Ltd)**

**Droperidol 2.5 mg per 1 ml** Xomolix 2.5mg/1ml solution for injection ampoules | 10 ampoule [PoM] £39.40

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## Levomepromazine

12-Dec-2016

## (Methotrimeprazine)

## ● INDICATIONS AND DOSE

**Restlessness and confusion in palliative care**

## ▶ BY CONTINUOUS SUBCUTANEOUS INFUSION

- ▶ Child 1–11 years: 0.35–3 mg/kg, to be administered over 24 hours
- ▶ Child 12–17 years: 12.5–200 mg, to be administered over 24 hours

**Nausea and vomiting in palliative care**

## ▶ BY CONTINUOUS INTRAVENOUS INFUSION, OR BY SUBCUTANEOUS INFUSION

- ▶ Child 1 month–11 years: 100–400 micrograms/kg, to be administered over 24 hours
- ▶ Child 12–17 years: 5–25 mg, to be administered over 24 hours

- **CONTRA-INDICATIONS** CNS depression · comatose states · phaeochromocytoma
- **CAUTIONS** Patients receiving large initial doses should remain supine
- **INTERACTIONS** → Appendix 1: phenothiazines
- **SIDE-EFFECTS**
  - ▶ **Common or very common** Astenia · heat stroke
  - ▶ **Rare or very rare** Cardiac arrest · hepatic disorders
  - ▶ **Frequency not known** Allergic dermatitis · confusion · delirium · gastrointestinal disorders · glucose tolerance impaired · hyperglycaemia · hyponatraemia · photosensitivity reaction · priapism · SIADH
- **HEPATIC IMPAIRMENT** Manufacturer advises consider avoiding.
- **RENAL IMPAIRMENT** **Dose adjustments** Start with small doses in severe renal impairment because of increased cerebral sensitivity.
- **DIRECTIONS FOR ADMINISTRATION** For administration by *subcutaneous infusion* dilute with a suitable volume of Sodium Chloride 0.9%.
- **PRESCRIBING AND DISPENSING INFORMATION** **Palliative care** For further information on the use of levomepromazine in palliative care, see [www.medicinescomplete.com/#/content/palliative/levomepromazine](http://www.medicinescomplete.com/#/content/palliative/levomepromazine).

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

**Solution for injection**▶ **Levomepromazine (Non-proprietary)****Levomepromazine hydrochloride 25 mg per**

**1 ml** Levomepromazine 25mg/1ml solution for injection ampoules | 10 ampoule [PoM] £20.13 DT = £20.13

▶ **Nozinan (Sanofi)**

**Levomepromazine hydrochloride 25 mg per 1 ml** Nozinan 25mg/1ml solution for injection ampoules | 10 ampoule [PoM] £20.13 DT = £20.13

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## Prochlorperazine

## ● INDICATIONS AND DOSE

**Prevention and treatment of nausea and vomiting**

## ▶ BY MOUTH

- ▶ Child 1–11 years (body-weight 10 kg and above): 250 micrograms/kg 2–3 times a day
- ▶ Child 12–17 years: 5–10 mg up to 3 times a day if required
- ▶ BY INTRAMUSCULAR INJECTION
- ▶ Child 2–4 years: 1.25–2.5 mg up to 3 times a day if required
- ▶ Child 5–11 years: 5–6.25 mg up to 3 times a day if required
- ▶ Child 12–17 years: 12.5 mg up to 3 times a day if required

**Nausea and vomiting in previously diagnosed migraine**

## ▶ BY MOUTH USING BUCCAL TABLET

- ▶ Child 12–17 years: 3–6 mg twice daily, tablets to be placed high between upper lip and gum and left to dissolve

**DOSE EQUIVALENCE AND CONVERSION**

- ▶ Doses are expressed as prochlorperazine maleate or mesilate; 1 mg prochlorperazine maleate ≡ 1 mg prochlorperazine mesilate.

## ● UNLICENSED USE

- ▶ With intramuscular use Injection not licensed for use in children.
- ▶ With buccal use *Buccastem M*® tablets not licensed for use in children.