

ANTIPSYCHOTICS > FIRST-GENERATION

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Chlorpromazine hydrochloride

13-Mar-2020

● INDICATIONS AND DOSE

Childhood schizophrenia and other psychoses (under expert supervision)

▶ BY MOUTH

- ▶ Child 1–5 years: 500 micrograms/kg every 4–6 hours, adjusted according to response; maximum 40 mg per day
- ▶ Child 6–11 years: 10 mg 3 times a day, adjusted according to response; maximum 75 mg per day
- ▶ Child 12–17 years: Initially 25 mg 3 times a day, adjusted according to response, alternatively initially 75 mg once daily, adjusted according to response, dose to be taken at night; maintenance 75–300 mg daily, increased if necessary up to 1 g daily

Relief of acute symptoms of psychoses (under expert supervision)

▶ BY DEEP INTRAMUSCULAR INJECTION

- ▶ Child 1–5 years: 500 micrograms/kg every 6–8 hours; maximum 40 mg per day
- ▶ Child 6–11 years: 500 micrograms/kg every 6–8 hours; maximum 75 mg per day
- ▶ Child 12–17 years: 25–50 mg every 6–8 hours

Nausea and vomiting in palliative care (where other drugs have failed or are not available)

▶ BY MOUTH

- ▶ Child 1–5 years: 500 micrograms/kg every 4–6 hours; maximum 40 mg per day
- ▶ Child 6–11 years: 500 micrograms/kg every 4–6 hours; maximum 75 mg per day
- ▶ Child 12–17 years: 10–25 mg every 4–6 hours

▶ BY DEEP INTRAMUSCULAR INJECTION

- ▶ Child 1–5 years: 500 micrograms/kg every 6–8 hours; maximum 40 mg per day
- ▶ Child 6–11 years: 500 micrograms/kg every 6–8 hours; maximum 75 mg per day
- ▶ Child 12–17 years: Initially 25 mg, then 25–50 mg every 3–4 hours until vomiting stops

DOSE EQUIVALENCE AND CONVERSION

- ▶ For equivalent therapeutic effect 100 mg chlorpromazine base given *rectally* as a suppository ≡ 20–25 mg chlorpromazine hydrochloride by *intramuscular injection* ≡ 40–50 mg of chlorpromazine base or hydrochloride given by *mouth*.

- **CONTRA-INDICATIONS** CNS depression · comatose states · hypothyroidism · phaeochromocytoma

- **INTERACTIONS** → Appendix 1: phenothiazines

● **SIDE-EFFECTS**

GENERAL SIDE-EFFECTS

- ▶ **Common or very common** Anxiety · glucose tolerance impaired · mood altered · muscle tone increased
- ▶ **Frequency not known** Accommodation disorder · angioedema · atrioventricular block · cardiac arrest · eye deposit · eye disorders · gastrointestinal disorders · hepatic disorders · hyperglycaemia · hypertriglyceridaemia · hyponatraemia · photosensitivity reaction · respiratory disorders · sexual dysfunction · SIADH · skin reactions · systemic lupus erythematosus (SLE) · temperature regulation disorder · trismus

SPECIFIC SIDE-EFFECTS

- ▶ With intramuscular use Muscle rigidity · nasal congestion

SIDE-EFFECTS, FURTHER INFORMATION Acute dystonic reactions may occur; children are particularly susceptible.

- **HEPATIC IMPAIRMENT** Manufacturer advises caution in severe hepatic failure (increased risk of accumulation).

● **RENAL IMPAIRMENT**

Dose adjustments Start with small doses in severe renal impairment because of increased cerebral sensitivity.

● **MONITORING REQUIREMENTS**

▶ With intramuscular use Patients should remain supine, with blood pressure monitoring for 30 minutes after intramuscular injection.

● **PRESCRIBING AND DISPENSING INFORMATION**

Palliative care For further information on the use of chlorpromazine hydrochloride in palliative care, see www.medicinescomplete.com/#/content/palliative/antipsychotics.

- **HANDLING AND STORAGE** Owing to the risk of contact sensitisation, pharmacists, nurses, and other health workers should avoid direct contact with chlorpromazine; tablets should not be crushed and solutions should be handled with care.

- **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, oral suspension, oral solution

Tablet

CAUTIONARY AND ADVISORY LABELS 2, 11

▶ **Chlorpromazine hydrochloride (Non-proprietary)**

Chlorpromazine hydrochloride 25 mg Chlorpromazine 25mg tablets | 28 tablet [PoM] £37.13 DT = £26.46

Chlorpromazine hydrochloride 50 mg Chlorpromazine 50mg tablets | 28 tablet [PoM] £37.50 DT = £26.23

Chlorpromazine hydrochloride 100 mg Chlorpromazine 100mg tablets | 28 tablet [PoM] £39.99 DT = £26.79

Solution for injection▶ **Largactil (Sanofi)**

Chlorpromazine hydrochloride 25 mg per 1 ml Largactil 50mg/2ml solution for injection ampoules | 10 ampoule [PoM] £7.51

Oral solution

CAUTIONARY AND ADVISORY LABELS 2, 11

▶ **Chlorpromazine hydrochloride (Non-proprietary)**

Chlorpromazine hydrochloride 5 mg per 1 ml Chlorpromazine 25mg/5ml syrup | 150 ml [PoM] £2.35 DT = £2.35

Chlorpromazine 25mg/5ml oral solution sugar-free | 150 ml [PoM] £2.66 DT = £2.40

Chlorpromazine 25mg/5ml oral solution | 150 ml [PoM] £2.35 DT = £2.35

Chlorpromazine hydrochloride 20 mg per 1 ml Chlorpromazine 100mg/5ml oral solution | 150 ml [PoM] £5.50 DT = £5.50

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Haloperidol

20-Nov-2019

● **INDICATIONS AND DOSE****Nausea and vomiting in palliative care**

▶ BY MOUTH

- ▶ Child 12–17 years: 1.5 mg once daily, dose to be taken at night, increased if necessary to 1.5 mg twice daily (max. per dose 5 mg twice daily)

▶ BY CONTINUOUS INTRAVENOUS INFUSION, OR BY CONTINUOUS SUBCUTANEOUS INFUSION

- ▶ Child 1 month–11 years: 25–85 micrograms/kg, to be administered over 24 hours
- ▶ Child 12–17 years: 1.5–5 mg, to be administered over 24 hours

Schizophrenia [when alternatives ineffective or not tolerated] (under expert supervision)

▶ BY MOUTH

- ▶ Child 13–17 years: 0.25–1.5 mg twice daily, alternatively 0.16–1 mg 3 times a day, individual benefit-risk should be assessed when considering doses above 3 mg daily; maximum 5 mg per day

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