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Title: <b>Chlorothiazide for Neonates</b>			Effective date: <b>22 June 2022</b>	
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## BRIEF ADMINISTRATION GUIDE

**Note:** Chlorothiazide is **NOT catalogued** in The Australasian Neonatal Medicines Formulary (although a similar thiazide diuretic [hydrochlorothiazide](#) is). Please refer to the [NZ formulary for children](#) for further information.

- Indications:**
- Treatment of mild to moderate fluid overload states including congestive heart failure, mild to moderate hypertension, ascites and bronchopulmonary dysplasia
  - Augmentation when tolerance to furosemide exists
  - Adjunct therapy to counteract side effects of diazoxide in the management of hyperinsulinaemic hypoglycaemia
  - Treatment of central and/or nephrogenic diabetes insipidus

**Route:** Oral

- Supplied as Chlorothiazide 50 mg/mL oral suspension, 25 mL bottle (Chlorothiazide is an unregistered medicine available under section 29 of the Medicines Act. Names of the patient and prescriber must be sent to Pharmacy when ordering.)

**Dose:**

Diuresis

10 – 20 mg/kg/dose once or twice daily (usual frequency is twice daily, but consider once daily dosing if electrolyte disturbances)

May be used in combination with spironolactone for its potassium sparing effects.

When used to augment furosemide administer 30 to 60 minutes prior to furosemide

Adjunct to diazoxide in hyperinsulinaemic hypoglycaemia

3 – 5 mg/kg/dose twice daily

Diabetes insipidus

10 mg/kg/dose twice daily

### Preparation and administration

- Shake suspension well before use
- Draw up prescribed dose in an oral syringe
- Administer prescribed dose orally with feeds to minimise gastrointestinal irritation

### Monitoring

- Monitor blood pressure daily for 4 days when starting or changing dose
- Monitor fluid balance
- Monitor renal function at baseline and periodically during therapy
- Monitor serum electrolytes, calcium, phosphorus and glucose at baseline and periodically during therapy

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## Storage and Stability

- Store chlorothiazide oral suspension in the fridge, between 2 – 8 °C
- Once opened discard after 7 days

## Competency for Administration

This procedure is carried out by, or under, the direct supervision of a registered nurse/registered midwife who holds current Waikato DHB Generic Medicine Management certification.

## References

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