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|  | | Type: Drug Guideline | Document reference: 0601 | Manual Classification: Waikato DHB Drug Guidelines |
| Title: Cefotaxime for Neonates | | | Effective date: 20 August 2020 | |
| Facilitator <small>sign/date</small> | Authorised <small>sign/date</small> | Authorised <small>sign/date</small> | Version: 4 | Page: 1 of 2 |
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BRIEF ADMINISTRATION GUIDE

For detailed information refer to [The Australasian Neonatal Medicines Formulary cefotaxime guideline](#)



Critical Note: there are minor variations between the ANMF and Waikato DHB best practice within this drug guideline – see **yellow shaded text**

- Indications:**
- Meningitis, suspected and proven
 - Bacterial sepsis caused by susceptible organisms
 - Early sepsis (≤ 2 days) empiric therapy if gentamicin is contraindicated

- Route:** Intravenous, or intramuscular
- Injection supplied as cefotaxime 1 g, powder for reconstitution
 - pH of cefotaxime 4.5-6.5

Dose: 50 mg/kg/dose

Dosing interval as per following table:

| CGA (weeks) | Postnatal age (days) | Dosing Interval (hours) |
|-------------------------------------|----------------------|-------------------------|
| < 30 | 0 to 28 | 12 |
| | 29+ | 8 |
| 30 ⁺⁰ – 36 ⁺⁶ | 0 to 14 | 12 |
| | 15+ | 8 |
| ≥ 37 | 0 to 7 | 8 |
| | 8+ | 6 |

Preparation and administration:

Intravenous


- Dilute 1 g vial with 9.6 mL of water for injection to make final concentration **100 mg/mL**. If infant is fluid restricted the 1 g vial can be reconstituted with 4.6 mL to give a **200 mg/mL** solution.
- Shake vial vigorously, as soon as diluent is added, to dissolve powder and check for absence of particulate matter before proceeding
- Draw up the required volume for the dose
- Administer over 3 to 5 minutes as a slow IV injection
- Flush before and after the dose with sodium chloride 0.9% or glucose 5 or 10 %

Intramuscular

- Dilute 1 g vial with **2.9 mL** of water for injection to make final concentration 300 mg/mL.
- Shake vial vigorously, as soon as diluent is added, to dissolve powder and check for absence of particulate matter before proceeding
- Draw up the required volume for the dose
- Inject deep into a large muscle mass (buttock or thigh)

Monitoring

- Monitor temperature and other parameters appropriate to the condition
- Monitor renal, hepatic and hematologic function periodically

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Storage and Stability

- Reconstituted solutions are stable for 24 hours when refrigerated (2-8°C)

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 and IV certification plus Guardrails competency (if administering IV) as well as Neonatal specific competency NCV/NAC (if administering via CVAD).

References

- Australian Neonatal Medicines Formulary. Cefotaxime Drug Guideline, 2017. Available from: https://www.seslhd.health.nsw.gov.au/sites/default/files/migration/RHW/Newborn_Care/Guidelines/Medication/pdf/neomed17cefotfull.pdf
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