Note
This guideline provides advice of a general nature. This statewide guideline has been prepared to promote and facilitate standardisation and consistency of practice, using a multidisciplinary approach. The guideline is based on a review of published evidence and expert opinion.

Information in this statewide guideline is current at the time of publication.
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Health practitioners in the South Australian public health sector are expected to review specific details of each patient and professionally assess the applicability of the relevant guideline to that clinical situation.

If for good clinical reasons, a decision is made to depart from the guideline, the responsible clinician must document in the patient’s medical record, the decision made, by whom, and detailed reasons for the departure from the guideline.

This statewide guideline does not address all the elements of clinical practice and assumes that the individual clinicians are responsible for discussing care with consumers in an environment that is culturally appropriate and which enables respectful confidential discussion. This includes:

- The use of interpreter services where necessary,
- Advising consumers of their choice and ensuring informed consent is obtained,
- Providing care within scope of practice, meeting all legislative requirements and maintaining standards of professional conduct, and
- Documenting all care in accordance with mandatory and local requirements

Synonyms
cefazolin

Dose and Indications
1g = 1000mg

Infection due to susceptible organisms

Intravenous
25mg/kg/dose

<table>
<thead>
<tr>
<th>Corrected Age (weeks)</th>
<th>Postnatal age (days)</th>
<th>Frequency (hours)</th>
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</thead>
<tbody>
<tr>
<td>[Gestational Age PLUS Postnatal Age]</td>
<td>≤ 28</td>
<td>every 12 hours</td>
</tr>
<tr>
<td>&lt;30</td>
<td>&gt; 28</td>
<td>every 8 hours</td>
</tr>
<tr>
<td>30 to 36</td>
<td>≤ 14</td>
<td>every 12 hours</td>
</tr>
<tr>
<td></td>
<td>&gt; 14</td>
<td>every 8 hours</td>
</tr>
<tr>
<td>37 to 44</td>
<td>≤ 7</td>
<td>every 12 hours</td>
</tr>
<tr>
<td></td>
<td>&gt; 7</td>
<td>every 8 hours</td>
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</table>

Length of treatment should be guided by pathology and clinical picture.
Preparation and Administration

Intravenous

<table>
<thead>
<tr>
<th>Vial Strength (mg)</th>
<th>Volume of Water for Injection to add (mL)</th>
<th>Final Concentration of cephazolin (mg/mL)</th>
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</thead>
<tbody>
<tr>
<td>1000mg</td>
<td>9.5mL</td>
<td>100mg/mL</td>
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<table>
<thead>
<tr>
<th>Dose</th>
<th>25mg</th>
<th>50mg</th>
<th>75mg</th>
<th>100mg</th>
<th>125mg</th>
<th>150mg</th>
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<tbody>
<tr>
<td>Volume</td>
<td>0.25mL</td>
<td>0.5mL</td>
<td>0.75mL</td>
<td>1mL</td>
<td>1.25mL</td>
<td>1.5mL</td>
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Administer as a push over at least 3 minutes or infuse over 30 minutes

The reconstituted solution is stable for 24 hours stored under refrigeration – check with local policy about re-accessing vial for the same patient.

Compatible Fluids

Glucose 5%, glucose 10%, glucose/sodium chloride solutions, sodium chloride 0.9%

Adverse Effects

Common
Diarrhoea, vomiting, pain and inflammation at injection site, rash, *Clostridium difficile-associated disease*, superinfection

Infrequent
Neurotoxicity (seizures, encephalopathy) particularly with high doses and/or renal impairment, blood dyscrasias, (neutropenia related to dose and treatment duration, thrombocytopenia)

Anaphylactic shock is not commonly seen in the neonates

Practice Points

- Refrigeration of reconstituted solutions may result in crystal formation
- Solutions of cephaZOLin sodium reconstituted with sodium chloride 0.9% (rather than water for injection) may form crystals. For this reason, water for injection is the preferred diluent
- The crystals can be dissolved by hand warming the vials and the clear solution will then be suitable for use.

Version control and change history

**PDS reference:** CG020

<table>
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<th>Version</th>
<th>Date from</th>
<th>Date to</th>
<th>Amendment</th>
</tr>
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<tbody>
<tr>
<td>1.0</td>
<td>November 2012</td>
<td>current</td>
<td>Original version</td>
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**Contact:** NeoMed@health.sa.gov.au


Endorsed by: South Australian Maternal & Neonatal Clinical Network

Last Revised: 06/11/2012

South Australian Neonatal Medication Guidelines Workgroup at: