# ADULT Medication Monograph

## CEFTRIAXONE

This document should be read in conjunction with this [DISCLAIMER](#).

### Antimicrobial Restriction – Monitored

### Antimicrobial Restriction – Restricted (Neonates)

<table>
<thead>
<tr>
<th>Presentation</th>
<th>Vial: 1g</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dose</strong></td>
<td>Refer to relevant <a href="#">KEMH Clinical Guidelines</a> for appropriate dose regimes (link below)</td>
</tr>
<tr>
<td><strong>Gonorrhoea</strong></td>
<td>IM: 500mg single dose (in conjunction with other antibiotics)</td>
</tr>
<tr>
<td><strong>Severe STI related PID</strong></td>
<td>IV: 2g every 24 hours (in conjunction with other antibiotics)</td>
</tr>
<tr>
<td><strong>Endometritis</strong> (for patients with non-type 1 hypersensitivity penicillin reactions or if gentamicin is contraindicated)</td>
<td>IV: 2g every 24 hours (in conjunction with other antibiotics)</td>
</tr>
<tr>
<td><strong>Pyelonephritis</strong></td>
<td>IV: 1g every 24 hours</td>
</tr>
</tbody>
</table>

### Administration

**IM injection**

**Step 1 Reconstitution:** Reconstitute 1g vial with 3.5mL of lidocaine 1% (50mg/5mL). To obtain a dose of 500mg, withdraw the entire reconstituted solution into a syringe (4mL) and discard half (2mL) before administering.

**Step 2 Administration:** Inject deep into the gluteal muscle. Maximum of 1g to be injected into each buttock.

**NB:** Do NOT inject lidocaine-reconstituted ceftriaxone intravenously.
### IV injection

**Step 1 Reconstitution:** Reconstitute 1g vial with 10mL water for injections

**Step 2 Administration:** Inject over 2 to 4 minutes

### IV infusion

**Step 1 Reconstitution:** Reconstitute 1g vial with 10mL water for injections

**Step 2 Dilution:** Dilute to 50 - 100mL in sodium chloride 0.9% or glucose 5%

**Step 3 Administration:** Infuse over 30 minutes

### Pregnancy

<table>
<thead>
<tr>
<th>Trimester</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Trimester</td>
<td>Safe to use</td>
</tr>
<tr>
<td>2nd Trimester</td>
<td>Safe to use</td>
</tr>
<tr>
<td>3rd Trimester</td>
<td>Safe to use</td>
</tr>
</tbody>
</table>

### Breastfeeding

Safe to use

### Monitoring

Monitor renal function and complete blood count in prolonged (>10 days) or high dose treatment

### Clinical guidelines and policies

**WNHS Policy:**

Antimicrobial Stewardship

**KEMH Clinical O&G Guidelines:**

Sexually Transmitted Infections (STI)

Antibiotic Treatment for Urinary Tract Infection

Secondary Postpartum Haemorrhage

Gynaecology (Non-Oncological) – includes PID guidelines

Maternal Sepsis and Septic Shock

Postpartum Infections: treatment and management

### References


Ceftriaxone - Adult

Keywords: Ceftriaxone, pelvic inflammatory disease, PID, urinary tract infection, UTI, gonorrhoea, pyelonephritis, sexually transmitted infection, STI

Publishing: ☒ Intranet ☐ Internet

Document owner: Chief Pharmacist

Author / Reviewer: KEMH Pharmacy Department

Date first issued: November 2014

Version: 3.0

Last reviewed: March 2017, Feb 2019

Next review date: Feb 2021

Endorsed by: Medicines and Therapeutics Committee

Date: Feb 2019

Standards Applicable: NSQHS Standards: 1 Governance, 3 Infection Control, 4 Medication Safety

Printed or personally saved electronic copies of this document are considered uncontrolled.
Access the current version from the WNHS website.
For any enquiries relating to this guideline, please email KEMH.PharmacyAdmin@health.wa.gov.au

© Department of Health Western Australia 2019