



ADULT MEDICATION GUIDELINE

BENZYL PENICILLIN

Scope (Staff): All WNHS Staff

Scope (Area): Obstetrics and Gynaecology

This document should be read in conjunction with the [Disclaimer](#).

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Restrictions

[Formulary: Unrestricted](#)

Medication Class

Penicillin – narrow spectrum

Presentation

Vial: (Powder for reconstitution): 600 mg, 3 g

Storage

Store at room temperature, below 25°C.
Reconstituted solution: use immediately.

Dose

Prevention of neonatal Group B streptococcal disease

IV:

Loading dose: 3 g

Maintenance: 1.8 g every 4 hours until birth

Tertiary Syphilis

IV:

1.8 g every 4 hours for 10-15 days.

Congenital Syphilis

Consult Neonatal Guidelines.

Administration

IV Injection

Step 1 Reconstitution:

600 mg vial: Reconstitute vial with 5 mL WFI, then dilute with a further 5 mL of water for injections. Final concentration is 60 mg/mL. Use immediately after reconstitution.

Step 2 Administration:

Inject SLOWLY over 5 to 10 minutes. Doses greater than 1.2 g are usually given by infusion. Do NOT inject faster than 300 mg/minute (e.g., 3 g over 10 minutes) as rapid IV injection of large doses may cause seizures.

IV Infusion

Step 1 Reconstitution:

Reconstitute as above.

Step 2 Dilution:

Dilute dose in 100 mL of glucose 5% or sodium chloride 0.9%.

Step 3 Administration:

Infuse over 30 minutes to 1 hour. Use immediately after preparation.

Monitoring

Monitor complete blood count and renal and hepatic function during prolonged high-dose treatment (>10 days).

Check electrolytes regularly if using high doses.

Pregnancy

1st Trimester: Safe to use.

2nd Trimester: Safe to use.

3rd Trimester: Safe to use.

Breastfeeding

Safe to use.

Comments

When treating Tertiary Syphilis consider addition of oral Prednisolone to reduce Jarisch-Herxheimer reaction.

Related Policies, Procedures & Guidelines

HDWA Mandatory Policies:

[Antimicrobial Stewardship \(AMS\) policy](#)

[Formulary 1](#)

WNHS Clinical Practice Guidelines:

[Medication Administration](#)

[Pre-labour Rupture of Membranes at Term](#)

[Group B Streptococcal Disease](#)

[Syphilis in pregnancy](#)

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Keywords	Benzylpenicillin, benpen, GBS, group B streptococcus, <i>Streptococcus agalactiae</i> , syphilis, syphilis				
Document Owner:	Chief Pharmacist				
Author/Reviewer	KEMH Pharmacy Department				
Version Info:	4.0				
Date First Issued:	01/11/2014	Last Reviewed:	01/02/2019	Review Date:	23/07/2024
Endorsed by:	Medicines and Therapeutics Committee			Date:	03/12/2024
NSQHS Standards Applicable:	<input checked="" type="checkbox"/>  Std 1: Clinical Governance <input type="checkbox"/>  Std 2: Partnering with Consumers <input checked="" type="checkbox"/>  Std 3: Preventing and Controlling Healthcare Associated Infection <input checked="" type="checkbox"/>  Std 4: Medication Safety		<input type="checkbox"/>  Std 5: Comprehensive Care <input type="checkbox"/>  Std 6: Communicating for Safety <input type="checkbox"/>  Std 7: Blood Management <input type="checkbox"/>  Std 8: Recognising and Responding to Acute Deterioration		
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