

	M08 – PENICILLIN G BENZATHINE (<i>BICILLIN L-A</i>)	
	Version date: 2025-02-04	Effective date: 2025-04-01 (07:00)

INDICATIONS
<ul style="list-style-type: none"> Treatment of syphilis by community paramedic program

WARNINGS
ABSOLUTE CONTRAINDICATIONS: <ul style="list-style-type: none"> Hypersensitivity to penicillin ⁴ Hypersensitivity to procaine
USE WITH CAUTION: <ul style="list-style-type: none"> Renal impairment Anticoagulation use or bleeding disorder

ADMINISTRATION	
INTRAMUSCULAR	COMMUNITY PARAMEDIC
ALL AGES: <ul style="list-style-type: none">• 50,000 units/kg once (maximum dose = 2.4 million units)• Inject half the volume by deep intramuscular injection into each buttock ³<ul style="list-style-type: none">○ ADULTS: Inject into the upper outer quadrant of the buttock (dorsogluteal)○ INFANTS & CHILDREN: Inject into the lower outer quadrant of the buttock (ventrogluteal)• Before injecting, aspirate back to guard against intravascular injection ⁴• Observe for 30 minutes after administration	

NOTES
<ol style="list-style-type: none"> Bicillin L-A is supplied in a prefilled syringe containing 1.2 million units in 2 ml. The maximum safe volume per injection site is 2 ml. <u>Do not dilute it.</u> <ul style="list-style-type: none"> For patients weighing less than 24 kg (52 lbs), divide the total volume in half. For patients weighing less than 48 kg (102 lb), two injections of a smaller volume may cause less discomfort than one of the two injections containing 2 ml. To minimize discomfort, warm the antibiotic vial to room temperature and apply manual pressure over the injection site. Inject each at slow steady rate to minimize discomfort and avoid needle blockage. Discontinue injection if severe pain occurs. Injection into other sites may cause damage to neurovascular structures or muscle fibrosis / atrophy.

4. Inadvertent intravascular administration may result in anaphylaxis, seizures, circulatory collapse, cardiac arrest, and death.
 - In case of anaphylaxis, treat as per E03 and transport to the closest open emergency department (ED).
 - In case of seizure, treat as per E14 and transport to the closest open ED.
5. Adverse effects (Jarisch-Herxheimer reaction) can start a few hours after beginning syphilis treatment, including fever & chills, headache, muscle pain and skin reactions, and do not represent an adverse reaction to penicillin..

LINKS

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| <ul style="list-style-type: none"> • E03 - Anaphylaxis • E14 - Seizure |
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APPROVED BY	
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Medical Director - Community Paramedicine	Associate Medical Director - Community Paramedicine

VERSION CHANGES (refer to X08 for change tracking)
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| <ul style="list-style-type: none"> • New |
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