

ACTIVE LEARNING TEMPLATE: *Medication*

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MEDICATION Ceftriaxone REVIEW MODULE CHAPTER \_\_\_\_\_

CATEGORY CLASS Antibiotic

**PURPOSE OF MEDICATION**

**Expected Pharmacological Action**  
Binds to bacterial cell membranes, inhibits cell wall synthesis

**Therapeutic Use**  
Treatment of susceptible infections due to gram negative aerobic organisms, including some gram positive aerobic organisms

**Complications**  
Thrush, mild diarrhea, abdominal cramping, nausea, possible allergic reaction

**Medication Administration**  
Infuse over 30 minutes over piggyback  
Administer over 4 minutes IV Push  
Dilute with NS

**Contraindications/Precautions**  
Cephalosporins, calcium, hyperbilirubinemia neonates, history of GI disease, history of penicillin allergy

**Nursing Interventions**  
Assess oral cavity for white patches, and thrush  
Monitor bowel activity  
Monitor I and O, CBC, and renal function  
Be alert for superinfection

**Interactions**  
Probenecid, Calcium salts

**Client Education**  
Doses should be spaced evenly  
Continue antibiotic treatment for the full amount of time

**Evaluation of Medication Effectiveness**  
WBC, CBC, assess if signs of infection have cleared, ask the patient how they feel

**Compatibility**

Amphotericin B complex, famotidine, fluconazole, labetalol, lactated ringers injection, vancomycin

**Amount**

1 gm/50ml or 2gm/50ml

**Rate of Administration**

100ml/hr, 50 ml total

8gtts/min

**Diluent**

0.9% NSS NaCl, or D5W

**Site, supplies, storage, stability**

Solution appears light yellow to amber, stable for 2 days at room temperature, 10 days if refrigerated