

ACTIVE LEARNING TEMPLATE: *Medication*

STUDENT NAME RDH

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 and some gram-positive organisms.

Complications

Side Effects: Discomfort with IM administration, oral candidiasis, mild diarrhea, mild abd cramping, vaginal candidiasis, nausea, serum sickness-like reaction, allergic reaction, thrombophlebitis.
Adverse Effects: Antibiotic-associated colitis, other superinfections, nephrotoxicity may occur, severe hypersensitivity reaction with Hx of penicillin allergy.

Medication Administration

Mild to Moderate Infection:
IM/IV: 1-2 g Q12-24h

Contraindications/Precautions

Contraindications: Hx of hypersensitivity or anaphylactic reaction to med. Do not administer with calcium containing IV solutions.
Cautions: Hepatic impairment, Hx of GI disease or penicillin allergy.

Nursing Interventions

Baseline: obtain CBC, renal function tests, and question for any Hx of allergies.
Assessment: Assess oral cavity for white patches on mucous membranes, tongue thrush, bowel activity, GI effects, monitor I&Os, renal function tests, CBC, and superinfection.

Interactions

Drug: Probenecid may increase concentration/effect. Calcium salts may increase adverse or toxic effects.
Lab: May increase serum BUN, alkaline phosphate, bilirubin, creatinine, LDH, ALT, AST. May cause positive direct/indirect Coomb's test.

Client Education

Discomfort may occur with IM injection; doses should be evenly spaced; continue antibiotic therapy for full length of treatment.

Evaluation of Medication Effectiveness

Decreased bacterial presence.