

ACTIVE LEARNING TEMPLATE: *Medication*

STUDENT NAME Noelle Benson

MEDICATION Ceftriaxone REVIEW MODULE CHAPTER _____

CATEGORY CLASS Antibiotic

PURPOSE OF MEDICATION

Expected Pharmacological Action

Inhibits cell wall by binding to bacterial cell membrane

Therapeutic Use

Bactericide; treatment of susceptible infections due to gram-negative aerobic organisms
Off label use for COPD

Complications

Oral candidiasis, diarrhea, abdominal cramping, vaginal candidiasis, superinfections, n&v, serum sickness

Medication Administration

IV: 750 mg - 1.5 mg q8h

Contraindications/Precautions

Contraindications: hypersensitivity, hypersensitivity to penicillin, hyperbilirubinemia neonates
Precautions: severe hepatic & renal impairment, hx of GI disease

Nursing Interventions

- Assess for infection
- Get cultures before first dose
- Monitor labs (CBC)
- Monitor bowel function
- Monitor of adverse reactions

Interactions

Probenecid (increase effect),
calcium salts (increase toxic effects)

Client Education

- Doses evenly spaced
- Finish full course of abx
- Monitor & report any side effects

Evaluation of Medication Effectiveness

Resolution of infection s/s
Decreased incidence of infection

Compatibility

Diltiazem, hydromorphone, morphine, propofol

Amount

750 mg - 1.5 g diluted in 50 - 100 mL NS or other solution below

Rate of Administration

IVPB: infuse over 15-30 min

Diluent

50–100 mL of 0.9% NaCl, D5W, D10W, D5/0.45% NaCl, or D5/0.9% NaCl.

Site, supplies, storage, stability

Stability/storage: stable for 24 hr @ room temp, 7 days if refrigerated

Site: use Y site above pump

Supplies: IV mini bag, secondary tubing, medication, alcohol swab