

ACTIVE LEARNING TEMPLATE: Medication

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MEDICATION Cefazolin

REVIEW MODULE CHAPTER _____

CATEGORY CLASS anti-infective

PURPOSE OF MEDICATION

Expected Pharmacological Action

Drug binds to the bacterial cell wall membrane & kills it

Therapeutic Use

Bactericidal action against susceptible bacteria

Complications

Stevens-Johnson Syndrome, C-Diff associated diarrhea, Seizures, anaphylaxis (if allergic), rash, itching, N/V, leukopenia, neutropenia, thrombocytopenia, Pain or Phlebitis @ IV site

Contraindications/Precautions

Contraindications: hypersensitivity to Cephalosporins or Penicillins

Caution: renal impairment, history of GI disease, hepatic impairment, Poor nutrition, extended antibiotic therapy, lactating

Interactions

Drug-drug: Probenecid, anticoagulants

* ↓ excretion, ↑ level of renally excreted Cephalosporins
* ↑ risk of bleeding

Evaluation of Medication Effectiveness

Medication kills all susceptible bacteria

Medication Administration

Adult ≥ 120 Kg:

- * 3g IV given 30-60 min prior to incision
- * Additional 500mg-1g Prior to surgery lasting ≥ 2 hrs
- * 500mg-1g then given Q6-8 hrs for 24 hrs post-OP
- * Dilute with sterile water & push slowly over 3-5 min

Nursing Interventions

- Assess for infection before & during therapy
- Monitor bowel function → report diarrhea, cramping, fever & bloody stool
- Frequently assess for rash → discontinue immediately if one occurs
- Obtain hx of prior reactions to similar meds before starting therapy

Client Education

- Explain medication's purpose & side effects
- Advise pt to report signs of superinfection & allergy
- Instruct pt to report rash, fever, or diarrhea