

ACTIVE LEARNING TEMPLATE: **Medication**

STUDENT NAME Kayina Gomez

MEDICATION IV Cefazolin

CATEGORY CLASS anti infective

REVIEW MODULE CHAPTER _____

PURPOSE OF MEDICATION

Expected Pharmacological Action

Binds to bacterial cell wall membrane causing cell death

Therapeutic Use

bactericidal action against susceptible bacteria

Complications

rash diarrhea nausea vomiting phlebitis at IV site

Medication Administration

adults ≥ 120 kg
3g within 30-60 min prior to incision
adults ≤ 120 1-2g within 30-60 min prior to incision
additional 500mg-1g should be given surgeries ≥ 2 hr
500mg-1g should be given for all surgeries every 6-8 hr

Contraindications/Precautions

Contraindicated in - hypersensitivity to cephalosporins, serious hypersensitivity to penicillins.
Precautions - Renal/hepatic impairment + poor nutritional intake, extended antibiotic therapy

Nursing Interventions

assess for infection
obtain history to determine previous use of reactions to penicillin + cephalosporins
- observe signs + symptom of anaphylaxis
- monitor bowel function
- assess pt for skin rash
frequent monitoring therapy

Interactions

drug-drug: Probenecid \downarrow excretion \uparrow levels of renally excreted cephalosporins
may potentiate the effects of anticoagulants \uparrow the risk for bleeding

Client Education

- explain purpose and side effects of medication to patient
- instruct pt to notify health care provider if rash, fever, diarrhea develop - blood in diarrhea
- notify of all Rx OTC med
Report signs of superinfection (furry overgrowth on tongue, vaginal itching)

Evaluation of Medication Effectiveness

bactericidal action against susceptible bacteria