

# ACTIVE LEARNING TEMPLATE: *Medication*

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MEDICATION: Cefazolin

REVIEW MODULE CHAPTER: anti-infectives

## PURPOSE OF MEDICATION

**Expected Pharmacological**  
Binds to bacterial cell wall membrane causing cell death

**Therapeutic Use**  
Bactericidal action against susceptible bacteria

## Complications

DERM: rash, SJS GIL diarrhea, nausea, vomiting, Clostridioides difficile-associated diarrhea (CDAD)  
HEMAT: leukopenia, neutropenia LOCAL: pain at IM site, phlebitis at IV site NEURO: seizures MISC: hypersensitivity reactions

## Contraindications/Precautions

Cont: sensitivity to penicillin's, cephalosporins  
Prec: renal impairment, poor nutrition, history of GI disease, especially colitis, extended antibiotic therapy, anticoagulant therapy

## Interactions

Drug-drug: Probenecid decrease, excretion and increase levels of renally excreted cephalosporins. May potentiate the effects of anticoagulants and increase the risk of bleeding

## Evaluation of Medication Effectiveness

Bactericidal action against susceptible bacteria

## Medication Administration

IV adult: 3g within 30-60 minutes before incision (an additional 500mg-1g should be given for surgeries over 2 hours, 500mg-1g should then be given for all surgeries every 6-8 hours for 24 hours following the

## Nursing Interventions

Assess for infection: vital signs, appearance of wound, sputum, urine, stool and in increase in you WBC level  
Monitor bowel function  
Assess for skin rash

## Client Education

Explain purpose  
Side effects of medication  
Report signs of infection, rash, fever, body chills  
Advise women of reproductive potential to notify health care professional if pregnancy is