**Cefuroxime:**

**Class:** Antibiotic

**Indications:**

Treatment of infections caused by staphylococci, group B streptococci, *H. influenzae* (type A and B), *E. coli, Enterobacter, Salmonella*, and *Klebsiella*; treatment of susceptible infections of the upper and lower respiratory tract, otitis media, urinary tract, uncomplicated skin and soft tissue, bone and joint, sepsis, uncomplicated gonorrhea, and early Lyme disease; surgical prophylaxis

**Available dosage form in the hospital:** 750MG TAB, 500MG CAP, 125MG/5ML SUSP, 250MG TAB, 250MG/5ML SUSP., 1.5G VIAL, 750MG VIAL.

**Trade Names:**

**Dosage:**

- Bronchitis, acute (and exacerbations of chronic bronchitis):
  - Oral: 250-500 mg every 12 hours for 10 days
  - I.V.: 500-750 mg every 8 hours (complete therapy with oral dosing)

- Cellulitis, orbital: I.V.: 1.5 g every 8 hours

- Cholecystitis, mild-to-moderate: I.V.: 1.5 g every 8 hours for 4-7 days (provided source controlled)

- Gonorrhea:
  - Disseminated: I.M., I.V.: 750 mg every 8 hours
  - Uncomplicated:
    - Oral: 1 g as a single dose
    - I.M.: 1.5 g as single dose (administer in two different sites with probenecid)

- Intra-abdominal infection, complicated, community-acquired, mild-to-moderate (in combination with metronidazole): I.V.: 1.5 g every 8 hours for 4-7 days (provided source controlled)

- Lyme disease (early): Oral: 500 mg twice daily for 20 days

- Pharyngitis/tonsillitis and sinusitis: Oral: 250 mg twice daily for 10 days

- Skin/skin structure infection, uncomplicated:
  - Oral: 250-500 mg every 12 hours for 10 days
I.M., I.V.: 750 mg every 8 hours

Pneumonia, uncomplicated: I.M., I.V.: 750 mg every 8 hours

Severe or complicated infections: I.M., I.V.: 1.5 g every 8 hours (up to 1.5 g every 6 hours in life-threatening infections)

Surgical prophylaxis: I.V.: 1.5 g 30 minutes to 1 hour prior to procedure (if procedure is prolonged can give 750 mg every 8 hours I.M.)
  - Cholecystectomy: I.V.: 1.5 g every 8 hours, discontinue within 24 hours unless infection outside gallbladder suspected
  - Open heart: I.V.: 1.5 g every 12 hours to a total of 6 g

Urinary tract infection, uncomplicated:
  - Oral: 125-250 mg twice daily for 7-10 days
  - I.V., I.M.: 750 mg every 8 hours

Renal Impairment:
  - $\text{Cl}_{\text{cr}}$ 10-20 mL/minute: Administer every 12 hours.
  - $\text{Cl}_{\text{cr}}$ <10 mL/minute: Administer every 24 hours.
  - Hemodialysis: Dialyzable (25%)
  - Peritoneal dialysis: Dose every 24 hours
  - Continuous renal replacement therapy (CRRT): 1 g every 12 hours.

Common side effects: Diarrhea, Diaper rash, Nausea/vomiting, Eosinophilia, hemoglobin and hematocrit decreased (10%).

Pregnancy Risk Factor: B