

Cefixime:

Class: antibiotic.

Indications: Treatment of uncomplicated urinary tract infections (due to *Escherichia coli* and *Proteus mirabilis*), otitis media (due to *Haemophilus influenzae*, *Moraxella catarrhalis*, and *Streptococcus pyogenes*), pharyngitis and tonsillitis (due to *Streptococcus pyogenes*), acute exacerbations of chronic bronchitis (due to *Streptococcus pneumoniae* and *Haemophilus influenzae*); uncomplicated cervical/urethral gonorrhea (due to *N. gonorrhoeae* [penicillinase- and nonpenicillinase-producing.

Available dosage form in the hospital: 100MG/5ML SUSP 30 ML BOTTLE, 100MG/5ML SUSP [60 ML] BOTTLE, 200MG CAP, 400MG CAP.

Trade Names:

Dosage:

- Susceptible infections: Oral: 400 mg daily divided every 12-24 hours
- Gonococcal infection, uncomplicated cervical/urethral/rectal gonorrhea due to *N. gonorrhoeae*: Oral: 400 mg as a single dose in combination with oral azithromycin (preferred) or oral doxycycline (CDC, 2010). **Note:** CDC no longer recommends cefixime as a first-line agent (ceftriaxone is the preferred cephalosporin), if cefixime is used as an alternative agent, test-of-cure follow up in 7 days is recommended; in addition, cefixime is **not** an option for the treatment of uncomplicated gonorrhea of the pharynx (CDC, 2012). In Canada, due to increased antimicrobial resistance, the Public Health Agency of Canada recommends 800 mg as a single dose (unlabeled dose) for treatment of uncomplicated gonococcal infections.
- Gonococcal infection, expedited partner therapy: Oral: 400 mg as a single dose in combination with oral azithromycin (CDC, 2012). **Note:** Only used if a heterosexual partner cannot be linked to evaluation and treatment in a timely manner; dose delivered to partner by patient, collaborating pharmacy, or disease investigation specialist.
- S. pyogenes* infections: Oral: 400 mg daily divided every 12-24 hours for ≥ 10 days
- Typhoid fever (unlabeled use): Oral: 15-20 mg/kg/day in 2 divided doses for 7-14 days (Parry, 2002; WHO, 2003)

Renal Impairment :

Adults:

- $Cl_{cr} \geq 60$ mL/minute: No dosage adjustment necessary.
- $Cl_{cr} 21-59$ mL/minute: 260 mg once daily
- $Cl_{cr} \leq 20$ mL/minute:
 - Chewable tablet, tablet: 200 mg once daily
 - 100 mg/5 mL suspension: 172 mg once daily
 - 200 mg/5 mL suspension: 176 mg once daily

500 mg/5 mL suspension: 180 mg once daily

-Intermittent hemodialysis (not significantly removed by hemodialysis): 260 mg once daily.

Common side effect: Diarrhea, Abdominal pain, nausea, dyspepsia, flatulence, loose stools.

Pregnancy Risk Factor: B