Sefarin

Cefdinir

Composition

Sefarin 300mg: Each capsule contains 300mg cefdinir.
Sefarin 125mg/5ml: Each 5ml suspension contains 125mg cefdinir.

Pharmacological Properties

Cefdinir is a broad spectrum semisynthetic cephalosporin antibiotic for oral administration. The bactericidal mode of action of Cefdinir is a result of the inhibition of cell wall synthesis. Cefdinir is highly beta-lactamase stable and as a result, many organisms resistant to penicillins and some cephalosporins, due to the presence of beta-lactamases, are susceptible to Cefdinir.
Most strains of the following Gram-positive and Gram negative organisms have been shown to be susceptible to cefdinir: Staphylococcus species, streptococcus pneumoniae, Streptococcus pyogenes, Streptococcus agalactiae, and Streptococcus viridans; Haemophilus influenzae, Haemophilus parainfluenzae, Moraxella catarrhalis, Neisseria gonorrhea and meningitidis, Escherichia coli, Klebaseilla pneumoniae, Proteus mirabilis, and Citrobacter diversus.

Indications

- Pharyngitis, Tonsillitis
- Pneumonia
- Bacterial bronchitis, acute exacerbations of chronic bronchitis
- Acute otitis media
- Acute maxillary sinusitis
- Uncomplicated skin and skin structure infections
- Urinary tract infections

Dosage and Administration

Adults:

The recommended daily of Sefarin is 600mg. This may be given as a 300mg capsule once every 12 hours or as two 300mg capsules once daily. should be administered twice daily in pneumonia or skin infections Sefarin.

Children:

The recommended dose is 7mg/kg of suspension every 12 hours or 14mg/kg once daily up to a maximum of 600mg per day. Sefarin suspension should be administered twice daily in skin infections in children.

Weight (kg)	Dose of (125mg/5ml suspension)*
9	2.5ml (0.5 tsp) q 12 hr or 5ml (1 tsp) q 24 hr.
18	5ml (1 tsp) q 12 hr or 10ml (2 tsp) q 24hr.
27	7.5ml (1.5 tsp) q 12 hr or 15ml (3 tsp) q 24 hr.

* After reconstitution

Children weighing more than 43kg should receive the maximum daily dose of 600mg

Renal impairment: Cefdinir is renally excreted.

Adults: When creatinine clearance <30ml/min, the dose of Sefarin should be 300mg given once daily.

Children: Pediatric patients with a creatinine clearance of <30ml/min/1.73m^2 should receive Sefarin 7mg/kg (up to 300mg) given once daily.

In patients on hemodialysis the recommended dosage is 300mg or 7mg/kg every other day.

Overdose

Cefdinir is removed from the body by haemodialysis. No information regarding Cefdinir overdosage is available but overdosage with other β-lactam antibiotics has resulted in nausea, vomiting, epigastric distress, diarrhea and convulsions.

Contraindications

Cefdinir is contraindicated in patients with known allergy to the cephalosporin or penicillin group of antibiotics.

Adverse Effects

Side effects are mild and transient in nature; most of them being diarrhea, abdominal pain, nausea, vomiting, skin rash, transient elevation in liver enzymes.

Warnings and Precautions

Before therapy with cefdinir is instituted, careful inquiry should be made to determine whether the patient has had previous hypersensitivity to Cefdinir, other cephalosporins or penicillins.
Cefdinir, as with other broad-spectrum antibiotics, should be prescribed with caution in patients with a history of colitis
In renal insufficiency the total dose of Cefdinir should be reduced.

Drug Interactions

Antacids and Iron supplements - Sefarin should be taken at least 2 hours before or after the antacid or Iron supplement.
Probenecid - Probenecid inhibits the renal excretion of Cefdinir resulting in higher serum concentrations and a longer half-life.

Use in pregnancy and lactation:

FDA pregnancy category B
No adequate and well-controlled studies have been performed in pregnant women; therefore, this drug should be used during pregnancy only if clearly needed.
Cefdinir was not detected in human breast milk after administration of 600mg doses.

Presentation

Sefarin capsule: 10 capsules per pack.
Sefarin suspension: 50, 100 ml bottle.