

Omnicef[®]

Omnicef (cefdinir) contain the active ingredient cefdinir, an extended-spectrum, semisynthetic cephalosporin, for oral administration

Indications

To reduce the development of drug-resistant bacteria and maintain the effectiveness of Omnicef and other antibacterial drugs, Omnicef should be used only to treat or prevent infections that are proven or strongly suspected to be caused by susceptible bacteria. When culture and susceptibility information are available, they should be considered in selecting or modifying antibacterial therapy. In the absence of such data, local epidemiology and susceptibility patterns may contribute to the empiric selection of therapy. Suspected the suspect of the selection of the patterns of the designation of the treatment of patients with mild to moderate infections caused by susceptible strains of the diseignation of the treatment of patients with mild to moderate infections caused by susceptible strains of the diseignation of the contribution of the suspect of patients with mild to moderate infections caused by susceptible strains of the diseignation of the suspect of

NOTE: For information on use in pediatric patients, see Dosage and Administration.
Phanynghis/honsilitis
Caused by Streptococcus progenes).

Note: Celdini is effective in the eradication of S. pyogenes from the oropharynx. Cefdinir has not, however, been studied for the prevention of rheumatic fever following S. pyogenes pharynghis/tonsilitis. Only intramuscular penicillih nab seen demonstrated to be effective for the prevention of rheumatic fever. Uncomplicated skin and skin structure infections
Caused by Staphylococcus aureus (including β-lactamase producing strains) and Streptococcus pyogenes.
Pediatric Patients
Acute Decterated official skin and skin structure infections

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Prediatric Patients

Gaused by Haemophius influenzae (including β-lactamase producing strains). Streptococcus pneumoniae (penicillinsusceptible strains only), and Morasella catarrhalis (including β-lactamase producing strains). Pharyngitis Tonsillitis

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Caused by Streptococcus progenes.

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Locamplicated skin and skin structure infections

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Susceptibility of staphylococci to endition may be deduced from testing penicillin and either cefoxitin or oxacillin. Staphylococci susceptible to oxacillin (cefoxitin) can be considered susceptible to cefdinic.

(See Indications for Indicated pathogens).
Capsules
The recommended dosage and discretifications following charts are seen to the commended dosage and discretifications following charts are seen to the commended dosage and discretifications are seen to the commended dosage and discretifications are seen to the commended dosage and discretifications. Capsules.

The recommended dosage and duration of treatment for infections in adults and adolescents are described in the following chart; the total daily dose for all infections is 600 mg. Once-daily dosing for 10 days is as effective as BID dosing. Once-daily dosing has not been studied in pneumonia or skin infections; therefore, Omnicef should be administered twice daily in these infections. Omnicef may be taken without regard to meals. Adults and adolescents (age 13 years and older)

Type of infection	Dosage	Duration
Community-acquired pneumonia	300 mg q12h	10 days
Acute exacerbations of chronic bronchitis	300 mg q12h or 600 mg q24h	5 to 10 days
Acute maxillary sinusitis	300 mg q12h or 600 mg q24h	10 days
Pharyngitis/tonsillitis	600 mg q24h 300 mg q12h or 600 mg q24h	10 days 5 to 10 days 10 days
Uncomplicated skin and skin structure infections	300 mg q12h	10 days

Patients with Renal Insufficiency
For adult patients with creathinine clearance < 30 ml/min, the dose of celdinir should be 300 mg given once daily.
Creathinine clearance is difficult to measure in outpatients. However, the following formula may be used to estimate creathinine clearance (CL) in adult patients. For estimates to be valid, serum creatinine levels should reflect steady-state levels of renal function.

Males:	CL _c = (weight) (140 – age) (72) (serum creatinine)	
Females:	CL _{cc} = 0.85 × above value	

Where creatinine clearance is in ml/min, age is in years, weight is in kilograms, and serum creatinine is in mg/dl.

The following formula may be used to estimate creatinine clearance in pediatric patients:

Ct. = K-body length or height.

serum creatinine

Where K = 0.56 for pediatric patients older than 1 year is and 0.45 for infants (up to 1 year).

In the above equation, creatinine clearance is in ml/min/1/3 m², body length or height is in centimeters, and serum creatinine is in mg/dl.

Patients on hemodialysis

Hemodialysis removes celdinir from the body. In patients maintained on chronic hemodialysis, the recommended initial dosage regimen is a 300-mg or 7-mg/kg dose every other day. At the conclusion of each hemodialysis sets 300 mg (or 7 mg/kg) should be given. Subsequent doses (300 mg or 7 mg/kg) are then administered every other day.

Foliatric use
Safety and efficacy in neonates and infants less than 6 months of age have not been established. Use of cefdinit
or the treatment of acute maxillary sinusitis in pediatric patients (age 6 months through 12 years) is supported t
evidence from adequate and well-controlled studies in adults and adolescents, the similar pathophysiology of a
simusitis in adult and pediatric patients, and comparative pharmacokinetic data in the pediatric population.

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Contraindications

Omnicef (cefdinir) is contraindicated in patients with known allergy to the cephalosporin class of antibiotics

Warnings and precautions

Warnings

Warnings reapy with Omnicel (celdini) is instituted, careful inquiry should be made to determine whether the patient seals had previous hyperensitivity neactions to ecfdinic other cephalospoints, pencifiliar, or other daugs. If celdinic is to be given to pencifiliar sensitive patients, caution should be exercised because cross hypersensitivity among 8-lactam antibiotics has been clearly documented and may occur in up to 10% of patients with his history of pencifilial latery if an allergic reaction to celdinic occurs, the drug should be discontinued. Serious acute hypersensitivity reactions may require treatment with epinephrine and other.

Emergency measures, including oxygen, intravenous fluids, intravenous antihistamines, cordicosteroids, pressor amines, and ainway management, as clinically indicated.

Clostridium difficile associated diarrhea (CDAD) has been reported with use of nearly all antibacterial agents alters the normal flora of the colon leading to overgrowth of C. difficile.

C. difficile cause increased morbidity and mortality, as these infections can be refractory to antimicrobial therapy and may require coloctomy. CDAD must be considered in all patients who present with darinher bollowing antibiotic use. Careful medical history is necessary since CDAD has been reported to occur over two months after the administration of antibacterial agents.

If CDAD is suspected or confirmed, ongoing antibiotic use not directed against C. difficile may need to be discontinued. Appropriate fluid and electrolyte management, protein supplementation, antibiotic treatment of C. difficile, and surgical evaluation should be instituted as clinically indicated. Before therapy with Omnicef (cefdinir) is instituted, careful inquiry should be made to determine whether the patient

General Prescribing Omnicef in the absence of a proven or strongly suspected bacterial infection or a prophylactic indication is unlikely to provide benefit to the patient and increases the risk of the development of drug-resistant bacteria. As with other broad-spectrum antibiotics, prolonged treatment may result in the possible emergence and overgrowth of resistant organisms. Careful observation of the patient is essential. If superinfection occurs during therapy, appropriate laternative therapy should be administered.

Cerfdini, as with other broad-spectrum antimicrobials (antibiotics), should be prescribed with caution in individuals with a history of collis.

In patients with transient or persistent renal insufficiency (creatinine clearance <30 ml/min), the total daily dose of Omnicof should be reduced because high and prolonged plasma concentrations of cerfdinir can result following recommended doses (see Dosage and administration).

Drug interactions

Antacids (aluminum- or magnesium-containing)

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Concomitant administration of 300-mg celdinin with 30 ml Maalox* TC suspension (aluminum hydroxide/magnesis)

Approxide) reduces the rate ($C_{\rm int}$) and extent (AUC) of absorption by approximately 40%. Time to reach $C_{\rm int}$ is also prolonged by 1 hour. There are no significant effects on celdinin pharmacokinetics if the antacid is administered Z hours after celdinin. If antacids are required during formicef therapy, Omnicef should be taken at least 2 hours before or after the antacid.

Probenecicd

As with other B-lactam antibiotics, probenecid inhibits the renal excretion of cefdinir, resulting in an approximate doubling in AUC, a 54% increase in peak cefdinir plasma levels, and a 50% prolongation in the apparent elimination to, under supplements and foods fortified with iron. Concomitant administration of cefdinir with a therapeutic iron supplement containing 60 mg of elemental iron (as FaSO.) or vitamins supplemented with 10 mg of elemental iron educed extent of absorption by 80% and 31%, respectively. If iron supplements are required during Omnicef therapy, Omnicef should be taken at least 2 hours before or after the supplement.

The effect of foods highly fortified with elemental iron (primarily iron-fortified breakfast cereals) on cefdinir absorption has not been studied.

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Concomitantly administered iron-fortified infant formula (2.2 mg elemental iron/6 oz) has no significant effect on cedidiri pharmacokinetics. Therefore, Omnicef for Oral Suspension can be administered with iron-fortified infant

formula. There have been reports of reddish stools in patients receiving cerdinir. In many cases, patients were also receiving iron-containing products. The reddish color is due to the formation of a non-absorbable complex between cerdinir or its breaddown products and iron in the gastrointestinal tract.

Drug/laboratory test interactions
A false-positive reaction for ketones in the urine may occur with tests using nitroprusside, but not with those using nitroferriyantide. The administration of cerdinir may result in a false-positive reaction for glucose in urine using Cinitest®, Benedict's solution, or Pehing's solution. It is recommended that glucose tests based on enzymatic glucose oxidase reactions (usin as Clinistix® or Test-Tape®) be used. Cephalosporins are known to occasionally induce a positive direct Coombb test.

Fertility, pregnancy and lactation

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Pregnancy
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delivery s not been studied for use during labor and delivery.

Certains has no seen accessed to a second solution of the second solution of the second solution of single 600-mg doses, cerdinir was not detected in human breast milk.

Undesirable effects

Undestriable effects

Postmarketing spyraience

The following adverse experiences and altered laboratory tests, regardless of their relationship to certainir, have been reported during extensive postmarketing experience, beginning with approval in Japan in 1991: shock, anaphylaxis with rare cases of fatality, facial and lanyngeal edema, feeling of suffocation, serum sickness-like reactions, conjunctivitis, stomattisis, Stevens-Johnson syndrome, toxic epidermal necrolysis, exfoliative demattitis, erythema multiforme, erythema nodosum, acute hepatitis, cholestasis, fulminant hepatitis, hepatic failure, erythema multiforme, erythema nodosum, acute hepatitis, cholestasis, fulminant hepatitis, hepatic failure, erythema multiforme, erythema nodosum, acute hepatitis, acute normaringsic collists, melena, pseudomembranous colitis, pancytopenia, granulocytopenia, leukopenia, thrombocytopenia, idiopathic thrombocytopenia, purpura, hemolytic anemia, acute respiratory failure, asthramica tatack, drug-induced preumonia, esomephilic permumonia, diopathic interestrial preumonia, lever, acute eroal failure, nephropathy, bleeding tendency, coagulation disorder, possible celdifini-dicidenen interaction, cardiac failure, chest pain, myocardial infarction, hypertension, involuntary movements, and rhabdomyolysis.

Cephalosporin class adverse events

The following adverse events and altered laboratory tests have been reported for cephalosporin-class antibiotics in general:

in general:

Allergic reactions, anaphylaxis, Stevens-Johnson syndrome, erythema multiforme, toxic epidermal necrolysis, renal dysfunction, toxic nephropathy, hepatic dysfunction including cholestasis, aplastic anemia, hemorytic anemia, hemorytic test for urinary glucoses, neutropenia, pancytopenia, and agranulocytosis. Pseudomembranous colits symptoms may begin during or after antibiotic treatment (see Warnings). Several caphalosporins have been implicated in triggering seizures, particularly in patients with renal impairment when the dosage was not reduced (see Dosage and Administration and Overdosage). If seizures associated with drug therapy occur, the drug should be discontinued. Anticonvilsant therapy can be given if clinically indicated. Reporting suspected adverse reactions after authorisation of the medicinal product is important. It allows continued monitoring of the benefity into balance of the medicinal product. Healthcare professionals are asked to report any suspected adverse reactions via:

Jordan

Jordan Food and Drug Administration- Rational Drug Use and Pharmacovigilance Department

Jordan Food and Drug Administration-Rational Drug
e-mail: pice@ifc.yomanyreporting.who-umc.org/JO
GOR Code: GORGE GORGE GORGE
GORGE GORGE



Information on cefdinir overdosage in humans is not available. In acute rodent toxicity studies, a single oral 5600-mg/ kg dose produced no adverse effects. Toxic signs and symptoms following overdosage with other P-lactam antibiotics have included nausae, voniting, egigastric distress, diarinea, and convulsions. Hemodialysis removes cefdinir from the body. This may be useful in the event of a serious toxic reaction from overdosage, particularly if renal function is

Special precautions for stora

Do not store above 30° Store in the original package

Presentations

Each capsule contains 300 mg cefdinir. Omnicef 300 mg Capsules are size (1) flesh cap/body capsules, imprinted with "JPI011" on body and cap, containing pale le contains 300 mg cefdi vellowish white powder or granules in 50 ml high-density polyethylene (HDPE) jars with child resistant caps (CRCs). Pack size: 10 Capsules.

Excipients
Carmellose calcium, magnesium stearate ad polyoxyl 40 stearate

Marketing Authorization Holder and Batch release

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Bulk manufacturer

Al-Kharj Road P.O. Box 106229 Rivadh 11666, Saudi Arabia Tel: + (966-11) 8107023. + (966-11) 2142472 Fax: + (966-11) 2078170 e-mail: SAPV@hikma.com

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Council of Arab Health Ministers, Union of Arab Pharmacists

- This is a Medicament

 Medicament is a product which affects your health and its consumption contrary to instructions is dangerous
- Follow strictly the doctor's prescription, the method of use and the instructions of the pharmacist who sold the medicament.
 The doctor and the pharmacist are the experts in medicines, their benefits and risks.
- Do not by yourself interrupt the period of treatment prescribed for you.

 Do not repeat the same prescription without consulting your doctor.

 Keep all medicaments out of reach of children.

Size: 170x250 mm

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