Soficior®

For Oral Suspension

Cefaclor Monohydrate Equivalent to Cefaclor

Composition

Cefaclor monohydrate equivalent to cefaclor anhydrous

Sodium Benzoate 0.030g/60ml as preservative

Clinical Pharmacology

Microbiology -In vitro tests demonstrate that the bactericidal action of the cephalosporines results from inhibition of cell-wall synthesis. Cefactor is active in vitro against most strains of clinical isolates of the following organisms

Aerobs, Gram-positive: Staphylococci, including coagulase-positive, coagulase-negative, and penicillinase-producing strains (when tested by in vitro methods), exhibit cross-resistance between cefaclor and methicillin. Streptococcus pyogenes (group A β-hemolytic streptococci) treptococcus pneumoniae Aerobs, Gram-negative Moraxella (Branhamella) catarrhalis Haemophilus influenzae, including B-lactamase producing ampicillin-resistant strains

Protove mirabilis Klebsiella sp Citrohacter diversus Neisseria gonorrhoeae Anaerobs Propionibacterium acnes and Bacteroides sp (excluding Bacteroides fragilis)

Peptococci Pentostrentococci Note: Pseudomonas sp. Acinetobacte calcoaceticus (formerly Mirna sp and Herellea sp), and most strains of enterococci (Enterococcus faecalis (formerly Streptococcus faecalis), group D streptococci), Enterobacter sp. indole-positive

Proteus, and Serratia sp are resistant to cefaclor. When tested by in vitro methods, staphylococci exhibit cross-resistance between cefactor and methicillin-type antibiotics. Cefactor is not active against Morganella morganii, Proteus vulgaris, and

Disk Susceptibility Tests

Quantitative methods that require measurement of zone diameters give the most precise estimates of antibiotic susceptibility. One such procedure has been recommended for use with disks for testing susceptibility to cephalothin currently accented zone diameter interpretative criteria for the cephalothin disk are appropriate for determining bacte susceptibility to defactor. With this procedure a report from the laboratory of "resistant" indicates that the infecting organism is not likely to respond to therapy. A report of "intermediate susceptibility" suggests that the organism would be susceptible if the infection is confined to tissues and fluids (eg, urine) in which high antibiotic levels can be obtained or if high dosage is used.

Pharmacokinetics Cefactor is well absorbed after oral administration to fasting subjects. Total absorption is the same whether the drug is given with or without food; however, the presence of food may delay the absorption. About 25% is bound to plasma proteins Cefaclor appears to be widely distributed in the body; crosses the placenta and is excreted in low concentration in

Approximately 60% to 85% of the drug is excreted unchanged in the urine within 8 hours, the greater portion being excreted in the first 2 hours. The serum half-life in normal subjects is 0.6 to 0.9 hour. In patients with reduced renal function, the serur half-life of cefacior is slightly prolonged. In those with complete absence of renal function, the plasma half-life of the intact molecule is 2.3 to 2.8 hours. Excretion pathways in atients with markedly impaired renal function have not been determined. Haemodialysis shortens the half-life by 25% to

Indications

Solicion Oral Suspension is indicated in the treatment of the following infections when caused by susceptible strains of the microorganisms

Otitis media: caused by S. pneumoniae, H. Influenzae, staphylocci, S. pyogenes (group A B-hemolytic streptococci), and M. catarrhalis.

Lower respiratory tract infections, including pneumonia, caused by S. pneumoniae, H. Influenzae, S. pyogenes (group A B-hemolytic streptococci), and M. catarnalis. Upper respiratory tract infections; including pharyngitis and

tonsiliitis, caused by *S. pyogenes* (group A *B*-hemolytic streptococci), and *M. catarrhalis*.

Note: Penicillin is usually the drug of choice in the treatment

and prevention of streptococcal infections, including the prophylaxis of rheumatic fever, Amoxycillin has been recommended by the American Heart Association as the standard regimen for the prophylaxis of bacterial endocarditis for dental, oral and upper respiratory tract procedures, with penicillin V a rational and acceptable alternative in the prophylaxis against α-hemolytic streptococcal bacterema in this setting. Cefacior is generally effective in the eradication of this setting. Celacior is generally effective in the eradication of streptococci from the nasopharynx; however, substantial data establishing the efficacy of celactor in the subsequent prevention of either rheumatic fever or bacterial endocarditis are not available at present.

Urinary tract infections, including pyelonephritis and cystitis, caused by E. coli, P. mirabilis, Klebsiella sp., and coagulase-

negative staphylococci. Note: Cefaclor has been found to be effective in both acute

Note: Celabor in seven involved to be elective in both acute and chronic urinary tract infections.

Skin and skin structures infections, caused by
Staphylococcus aureus and S. pyogenes (group A B-

hemolytic strentococcus). Appropriate culture and susceptibility studies should be performed to determine the susceptibility of the causative organism to cefactor

Dosage and Administration

iclor is administered orally To reconstitute: Shake to loosen powder. Add water and shake vigorously to disperse powder. Add water to the 60 ml mark and shake well.

Adults: The usual adult dosage is 250 mg every 8 hours. For bronchitis and pneumonia, the dosage is 250 mg administered 3 times daily. A dosage of 250 mg administered 3 times daily for 10 days is recommended for sinusitis. For more severe infections (such as pneumonia) or those caused by susceptible organisms, doses may be doubled. Doses of 4g/day have been administered safely to normal subjects for 28 days, but the total daily dosage should not exceed this

For the treatment of acute gonococcal urethritis in males and females, a single dose of 3g combined with probenecid, 1g. is given

Children: The usual daily recommended dosage for children is 20mg/kg/day in divided doses every 8 hours. For bronchitis and pneumonia, the dosage is 20mg/kg/day in divided doses

In more serious infections, otitis media, and infections caused by less susceptible organisms, 40mg/kg/day in divided doses are recommended, with a maximum dosage of 1g/day.

For Soliclor Oral Suspension 125mg/5ml Child's weight (kg) 20mg/kg/day 40mg/kg/day 5 ml t.i.d.

18 5 ml t.i.d. 10 ml t.i.d. B.I.D. Treatment option; for the treatment of Otitis Media and pharyngitis, the total daily dosage may be divided and administered every 12 hours.

Soficior may be administered in the presence of impaired renal function. Under such a condition, the dosage is usually

In the treatment of 8-hemolytic streptococcal infections, a therapeutic dosage of Soficior should be administered for at least 10 days.

Contraindication

oficior is contraindicated in patients with known allergy to the cephalosporin group of antibiotics.

Adverse Effects

effects considered related to therapy with Cefaclor are listed below-

Hypersensitivity reactions have been reported in about 1.5% natients and include morbilliform eruptions (Lin 100) Prunitus, urticaria, and positive Coombs' tests each occur in less than 1 in 200 patients

Cases of serum-sickness-like reactions have been reported with the use of Cetaclor. These are characterized by findings of erythema multiforme, rashes, and other skin manifestation accompanied by arthritis/arthralgia, with of without fever, and differ from classic serum sickness in that there is infrequently associated lympadenopathy and proteinuria, no circulating immune complexes, and no evidence to date of sequelae of the reaction. While further investigation is ongoing, serum sickness-like reactions appear to be due to hypersensitivity and more often occur during or following a second (or subsequent) course of therapy with Cefacior.

Such reactions have been reported more frequently in children than in adults with an overall occurrence ranging from 1 in 200 (0.5%) in one focused trial to 2 in 8,346 (0.024%) in overall finical trials (with an incidence in children in clinical trials of 0.055%) to 1 in 38,000 (0.003%) in spontaneous event reports Signs and symptoms usually occur a few days after initiation of therapy and subside within a few days after cessation of therapy. Antihistamines and glucocorticoids appear to enhance resolution of the signs and symptoms. No serious sequelae have been reported.

More severe hypersensitivity reactions, including Stevens Johnson syndrome, toxic epidermal necrolysis, and anaphylavis, have been reporter rarely. Anaphylavis may be more common in patients with a history of penic Gastrointestinal symptoms occur in about 25% of patients and include diarrhea (1 in 70). Symptoms of pseudomembranous colitis may appear either during or after antibiotic treatment. Nausea and vomiting have been reported rarely. As with some penicillins and some other cephalosporins, transient hepatitis and cholestatic jaundice have been reported rarely

Other effects considered related to therapy included eosinophilia (1 in 50 patients), genital pruritus or vaginitis (less in 100 patients), and, rarely, thrombocytopenia or reversible interstitial nephritis

Causal Relationship Uncertain

CNS - Rarely, reversible hyperactivity, nervousness, insomnia, confusion, hypertonia, dizziness, hallucinations, and somnolence have been reported

Transitory abnormalities in clinical laboratory test results have been reported. Although they were of uncertain etiology, they are listed below to serve as alerting information for the physician

Hepatic -Slight elevations of AST (SGOT), ALT (SGPT), or alkaline phosphatase values (1 in 40)... Hematopoietic -As has also been reported with other B-lactam

antibiotics, transient lymphocytosis, leukopenia, and, rarely, hemolytic anemia and reversible neutropenia of possible clinical significance. There have been rare reports of increased prothrombin time with or without clinical bleeding in patients receiving cefaclor and coumadin concomitantly Renal-Slight elevations in BUN or serum creatinine (less than

1 in 500) or abnormal urinalysis (less than I in 200).

Precautions / Warnings

Warnings:

Penicillin-sensitive patients, cephalosporin antibiotics should be administered cauliously. There is clinical and laboratory evidence of partial cross-allergenicity of the penicillins and the cephalosporins and there is instances in which patients have had reactions, including anaphylaxis, to both drug classes.

Antibiotics, including cefaclor, should be administered cautiously to any patient who has demonstrated some form of

allergy, particularly to drugs. Pseudomembranous colitis has been reported with virtually all broad-spectrum antibiotics (including macrolides, semisynthetic penicillins, and cephalosporins); therefore, it is important to consider its diagnosis in patients who develop diarrhea in association with the use of antibiotics. Such colitis

may range in severity from mild to life threatening. Treatment with broad-spectrum antibiotics alters the normal flora of the colon and may permit overgrowth of clostridia. Studies indicate that a toxin produced by Clostridium difficile is a primary cause of antibiotic associated colitis. Mild cases of pseudomembranous colitis usually respond to drug discontinuance alone. In moderate to severe cases. discontinuance alone. In moderate to severe cases, management should include sigmoidoscopy, appropriate bacteriologic studies, and fluid, electrolyte, and protein supplementation. When the collis does not improve after the drug has been discontinued, or when it is severe, oral vancomycin is the drug of choice for antibiotic-associated pseudomembranous colitis produced by C. difficile. Other causes of colitis should be ruled out. Serious and occasionally fatal hypersensitive reactions (including

anaphylactoid and severe cutaneous adverse reactions) have been reported in patients receiving therapy with beta-lactams. Before initiating therapy with Soficior, careful inquiry should be made concerning previous hypersensitivity reactions to penicillins cephalosporins, carbapenems or other beta-lactam agents. If an allergic reaction occurs. Soficior must be discontinued immediately and appropriate alternative therapy instituted.

General - If an allergic reaction to cefactor occurs, the drug should be discontinued, and, if necessary, the patient should be treated with appropriate agents, eg, pressor amines, antihistamines or corticosteroids

Prolonged use of cetaclor may result in the overgrowth of non-susceptible organisms. Careful observation of the patient is essential. If superinfection occurs during therapy, appropriate measures should be taken

Positive direct Coombs' tests have been reported during treatment with the cephalosporin antibiotics. In hematolog studies or in transfusion cross-matching procedures when antiglobulin tests are performed on the minor side or in Coombs' testing of newborns whose mothers have received cephalosporin antibiotics before parturition, it should be recognized that a positive Coombs' test might be due to the

Cefaclor should be administered with caution in the presence of markedly impaired renal function. Since the half-life of cefaclor in anuna is 2.3 to 2.8 hours, dosage adjustments for patients with moderate or severe renal impairment are usually not required. Clinical experience with cefaclor under such conditions is limited: therefore, careful clinical observation and

laboratory studies should be made.
As a result of administration of cefaclor, a false-positive reaction for glucose in the urine may occur. This has been observed with Benedict's and Fehling's solutions and also with Clinitest^R tablets but not with Tes-Tape^R (Glucose Enzymatic

Broad-enactrum antihintics should be prescribed with caution individuals with a history of gastrointestinal disease, particularly colitis

Pregnancy - Pregnant Category B - Reproduction studies have been performed in mice and rats at doses up to 12 times the human dose and in ferrets given 3 times the maximum human dose and have revealed no evidence of impaired fertility or harm to the fetus due to Cefacior. There are, however, no adequate and well-controlled studies in pregnant women. Because animal reproduction studies are not always predictive of human response, this drug should be used during pregnancy only if clearly needed

ouring pregrams, only it clearly needed celacior, have been detected in mother's milk following administration of single 500-mg doses, Trace amounts were detected at 1 hour. The effect on nursing infants is not known. Caution should be exercised when Celacior is administered to a nursing woman. Pediatric Use. Safety and effectiveness of this product for use in infants less than I month of age have not been established.

Drug Interactions

There have been rare reports of increased anticoagulant effect when cefactor and oral anticoagulants were administered concomitantly. As with other &lactam antibiotics, the renal excretion of cefaclor is inhibited by probenecid.

Symptoms and Treatment of Overdosage

Signs and Symptoms -The toxic symptoms following an overdose of cefactor may include nausea, vomiting, epigastric distress, and diarrhea. The severity of the epigastric distress and the diarrhea are dose related. If other symptoms are present, it is probable that they are secondary to an underlying disease state, an allergic reaction, or the effects of other intoxication

Treatment - In managing overdosage, consider the possibility of multiple drug overdoses, interaction among drugs, and isual drug kinetics in your patient Unless 5 times the normal dose of celacior has been indested

intestinal decontamination will not be necessary gastointestant occordantal and support ventilation and perfusion. Meticulously monitor and maintain, within acceptable limits, the patient's vital signs, blood gases, serum electrolytes, etc. Absorption of drugs from the gastrointestinal tract may be decreased by giving activated charcoal, which, in many cases, is more effective than emesis or lavage; consider charcoal instead of or in addition to gastric emptying peated doses of charcoal over time may hasten elimi

of some drugs that have been absorbed. Safeguard the

patient's airway when employing gastric emptying or charcoal Forced diuresis, periloneal dialysis, haemodialysis, or charcoal haemoperfusion have not been established as beneficial for an overdose of cefaclor

Description

Before reconstitution: White or slightly yellow colour, free flowing powder with strawberry odor.

After reconstitution: Yellowish-white to yellow colour, strawberry flavoured suspension.

Dry powder may be white or slightly yellow solely due to the nature of cefaclor. The quality and efficacy of the product are not affected

Packing

60 ml packing in plastic bottles.

Shelf-life

The expiry date is indicated on the packaging.

Storage

Store at controlled room temperature, in a cool dry place below 25°C. After reconstitution, store in a refrigerator and discard unused portion after 7 days.

Friendly advice to parents:

- Shake the constituted suspension well before giving it to your child
- Complete the antibiotic course
- When you miss a dose, take the medicine as soon
- Take plenty of fluid such as water and milk
- Avoid hard/solid food when having sore throat Have plenty of rest

CONTROLLED MEDICINE KEEP OUT OF REACH OF CHILDREN

JAUHI DARI KANAK-KANAK Revision Date: 23-May-2019



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