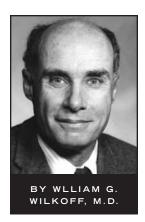
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LETTERS FROM MAINE

Location, Location, Location

the garage door creaked over my head, the rain promised for the afternoon began falling on the

driveway in large heavy plops a good 5 hours ahead of schedule.

I muttered my favorite expletive and walked my old red bicycle back to her resting place against the trash cans. Returning to the mud room, I fumbled in the dark reaches of the sports-paraphernalia closet for an umbrella and then headed to work on foot. This minor meteorologic miscalculation would triple my commute time to 12 minutes, but I would still arrive well before our office's promised 8:30 call-in

As I strolled through the middle-class neighborhoods that border the office, I reflected on the group-wide provider meeting of the previous night. Some of the physicians clearly were discontented. Surprisingly, no one complained about the flatness of their income curves. Instead, time dominated their concerns. Did the group really need to continue offering evening and weekend office hours? The "less-contents" felt that office commitments were gobbling up the time they had hoped to spend with their families.

Splashing around and occasionally through the rapidly expanding puddles, I pondered the factors that sorted out the contents from the less-contents. One seemed to be commuting time. If I visualized a graph that plotted discontent against distance from the office, the relationship was almost linear. The longer a provider's commute, the less content he or she seemed to be.

Although many of us complain about our trips to and from work, I am surprised how few commuters accurately estimate the negative impact that travel time has on their lives and their families. A long commute at the end of the day often triggers a cascade of unfortunate dominos that can include a late dinner, an inadequate or nonexistent period of family reconnection, and an unhealthfully late bedtime for both child and parent.

The vicious cycle continues in the morning, when the sleep-deprived commuter must arise early enough to make it back to work on time. The relationship between sleep deprivation and accidents has received a bit more media attention recently, but sleeplessness continues to be a vastly underappreciated contributor to depression, headaches, and behavior problems, such as attention deficit hyperactivity disorder.

A physician who lives "only" 35 minutes from her office has an hour less each day to spend with her young children than I did. That adds up to an entire 24-hour day each month. In addition, she probably doesn't have the opportunity to zip home at lunch time to play with her toddlers before they go down for a nap the way I did. Those little noontime reconnections can make evening office hours much more palatable.

Unlike lawyers, who seem to be able to bill for their travel time, those of us in primary care have trouble making our commutes productive. Walking or bicycling to work can be counted as fitness maintenance time, and listening to educational tapes can earn us a few CME credits, but, for the most part, trips to and from the office feel like a waste of time.

Finding a place to live close to one's office can be difficult, and for those who choose to serve seriously underprivileged families, it may be impossible, but I wish that more of us would reconsider the advantages of shortening our commutes. No one is going to step forward and give us more time with our families. We have to make that time, and that may require renegotiating some of the compromises we have made with ourselves about where we live.

You can make any house a home, but you have to be there to do it. Regardless of how nice the house is when you finally arrive, it's hard to turn a long commute into anything but an exercise in frustration. ■

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BRIEF SUMMARY CONSULT PACKAGE INSERT FOR FULL PRESCRIBING INFORMATION

Omnicef® (cefdinir) capsules Omnicef® (cefdinir) for oral suspension

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 bacteria.

CONTRAINDICATIONS

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

WARNINGS

WARNINGS
BEFORE THERAPY WITH OMNICEF (CEFDINIR) IS INSTITUTED,
CAREFUL INQUIRY SHOULD BE MADE TO DETERMINE WHETHER THE
PATIENT HAS HAD PREVIOUS HYPERSENSITIVITY REACTIONS TO
CEFDINIR, OTHER CEPHALOSPORINS, PENICILLINS, OR OTHER
DRUGS. IF CEFDINIR IS TO BE GIVEN TO PENICILLINS, OR OTHER
PATIENTS, CAUTION SHOULD BE EXERCISED BECAUSE CROSSHYPERSENSITIVITY AMONG \$\text{B-LACTAM}\$ ANTIBIOTICS HAS BEEN
CLEARLY DOCUMENTED AND MAY OCCUR IN UP TO 10% OF PATIENTS
WITH A HISTORY OF PENICILLIN ALLERGY. IF AN ALLERGIC REACTION
TO CEFDINIR OCCURS, THE DRUG SHOULD BE DISCONTINUED.
SERIOUS ACUTE HYPERSENSITIVITY REACTIONS MAY REQUIRE
TREATMENT WITH EPINEPHRINE AND OTHER EMERGENCY MEASURES. TREATMENT WITH EPINEPHRINE AND OTHER EMERGENCY MEASURES, INCLUDING OXYGEN, INTRAVENOUS FLUIDS, IMTRAVENOUS ANTIHISTAMINES, CONTICOSTEROIDS, PRESSOR AMINES, AND AIRWAY MANAGEMENT, AS CLINICALLY INDICATED.

Pseudomembranous colitis has been reported with nearly all antibacterial agents, including celdinir, and may range in severity from mild- to life-threatening. Therefore, it is important to consider this diagnosis in patients who present with diarrhea subsequent to the administration of antibacterial agents.

Treatment with antibacterial agents 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-

produced by Clostridium difficile is a primary cause of "antibiotic-associated colitis."

After the diagnosis of pseudomembranous colitis has been established, appropriate therapeutic measures should be initiated. Mild cases of pseudomembranous colitis usually respond to drug discontinuation alone. In moderate to severe cases, consideration should be given to management with fluids and electrolytes, protein supplementation, and treatment with an antibacterial drug clinically effective against Clostridium difficile.

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

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

observation or the patient is essential. In superimetation occurs during therapy, appropriate alternative therapy should be administered. Cefdinir, as with other broad-spectrum antimicrobials (antibiotics), should be prescribed with caution in individuals with a history of colitis. In patients with transient or persistent renal insufficiency (creatinine clearance additional clearance and In/min), the total daily dose of OMNICEF should be reduced because high and prolonged plasma concentrations of cefdinir

can result following recom

Patients should be counseled that antibacterial drugs including OMNICEF should only be used to treat bacterial infections. They do not treat viral infections (e.g., the common cold). When OMNICEF is prescribed to treat infections (e.g., the common cold). When OMNICEF is prescribed to treat a bacterial infection, patients should be told that although it is common to feel better early in the course of therapy, the medication should be taken exactly as directed. Skipping doses or not completing the full course of therapy may (1) decrease the effectiveness of the immediate treatment and (2) increase the likelihood that bacteria will develop resistance and will not be treatable by OMNICEF or other antibacterial drugs in the future. Antacids containing magnesium or aluminum interfere with the absorption of cefdinir. If this type of antacid is required during OMNICEF therapy, OMNICEF should be taken at least 2 hours before or after the antacid

Iron supplements, including multivitamins that contain iron, interfere with the absorption of cefdinir. If iron supplements are required during OMNICEF therapy, OMNICEF should be taken at least 2 hours before or

Tron-fortified infant formula does not significantly interfere with the absorption of cefdinir. Therefore, OMNICEF for Oral Suspension can be administered with iron-fortified infant formula.

Diabetic patients and caregivers should be aware that the oral suspension contains 2.86 g of sucrose per teaspoon.

Antacids: (aluminum- or magnesium-containing): Concomitant administration of 300-mg cefdinir capsules with 30 ml Maalox® TC suspension reduces the rate (C_{max}) and extent (AUC) of absorption by approximately 40%. Time to reach C_{max} is also prolonged by 1 hour. There are no significant effects on cerdinir pharmacokinetics if the antacid is administered 2 hours before or 2 hours after cefdinir. If antacids are required during <code>OMMICEF</code> therapy, <code>OMMICEF</code> should be taken at least 2 hours before or after the antacid.

Probenecid: As with other β -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 $t_{1/2}$. Iron Supplements and Foods Fortified With Iron: Concomitant administration of cefdinir with a therapeutic iron supplement containing 60 mg of elemental iron (as FeSO₄) or vitamins supplemented with 10 mg of elemental iron reduced extent of absorption by 80% and 31% respectively. If iron supplements are required during OMNICEF therapy OMNICEF therapy OMNICEF the supplement. The effect of foods highly fortified with elemental iron (primarily ironfortified breakfast cereals) on cefdinir absorption has not been studied. Concomitantly administered iron-fortified infant formula (2.2 mg elemental iron/6 oz) has no significant effect on cefdinir pharmaco-kinetics. Therefore, OMNICEF for Oral Suspension can be administered with iron-fortified infant formula.

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

Drug/Laboratory Test Interactions A false-positive reaction for ketones in the urine may occur with tests A late-positive reaction for Accident the those using nitroferricyanide. The administration of cefdinir may result in a false-positive reaction for glucose in urine using Clinitest[®], Benedict's solution, or Fehling's solution. It is recommended that glucose tests based on enzymati glucose oxidase reactions (such as Clinistix® or Tes-Tape®) be used Cephalosporins are known to occasionally induce a positive direct

Carcinogenesis, Mutagenesis, Impairment of Fertility

The carcinogenic potential of cefdinir has not been evaluated. No mutagenic effects were seen in the bacterial reverse mutation assay (Ames) or point mutation assay at the hypoxanthine-guanine phosphoribosytransferase locus (HGPRT) in V79 Chinese hamster lung cells. No clastogenic effects were observed *in vitro* in the structural chromosome aberration assay in V79 Chinese hamster lung cells or *in* vivo in the micronucleus assay in mouse bone marrow. In rats, fertility and reproductive performance were not affected by cefdinir at oral dose up to 1000 mg/kg/day (70 times the human dose based on mg/kg/day, 11 times based on mg/m²/day).

times based on mg/m²/day).

Pregnancy - Teratogenic Effects

Pregnancy Category B: Cefdinir was not teratogenic in rats at oral doses up to 1000 mg/kg/day, 70 times the human dose based on mg/kg/day, 11 times based on mg/m²/day) or in rabbits at oral doses up to 10 mg/kg/day (0.7 times the human dose based on mg/kg/day, 0.23 times based on mg/m²/day). Waternal traciple dead weight caip) was mg/m²/day). Maternal toxicity (decreased body weight gain) was observed in rabbits at the maximum tolerated dose of 10 mg/kg/day without adverse effects on offspring. Decreased body weight occurred in rat fetuses at ±100 mg/kg/day, and in rat offspring at ±32 mg/kg/day. No effects were observed on maternal reproductive parameters or offspring survival, development, behavior, or reproductive function.

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

Labor and Delivery Cefdinir has not been studied for use during labor and delivery.

Nursing Mothers
Following administration of single 600-mg doses, cefdinir was not detected in human breast milk.

Pediatric Use

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

Geriatric Use

Efficacy is comparable in geriatric patients and younger adults. While cefdinir has been well-tolerated in all age groups, in clinical trials geriatric patients experienced a lower rate of adverse events, including diarrhea than younger adults. Dose adjustment in elderly patients is not necessary unless renal function is markedly compromis

ADVERSE EVENTS

Clinical Trials - OMNICEF Capsules (Adult and Adolescent Patients):
In clinical trials, 5093 adult and adolescent patients (3841 US and 1252 non-US) were treated with the recommended dose of cefdinir capsules (600 mg/day). Most adverse events were mild and self-limiting. No deaths or permanent disabilities were attributed to cerdinir. One hundred forty-seven of 5093 (3%) patients discontinued medication due to adverse events thought by the investigators to be possibly probably, or definitely associated with cerdinir therapy. The discontinuations were primarily for gastrointestinal disturbances, usually diarrhea or nausea. Nineteen o 5093 (0.4%) patients were discontinued due to rash thought related to

5093 (0.4%) patients were discontinued due to rash mought related to cefdinir administration. In the US, the following adverse events were thought by investigators to be possibly, probably, or definitely related to cefdinir capsules in multipledose clinical trials (N = 3841 cefdini-treated patients):

ADVERSE EVENTS ASSOCIATED WITH CEFDINIR CAPSULES US TRIALS IN

ADULT AND ADOLESCHT PATIENTS (N=3841): Incidence ≥1%. Diarrhea 15%, Vaginal moniliasis 4% of women, Nausea 3%, Headache 2%, Abdominal pain 1%, Vaginitis 1% of women, Incidence <1% but >0.1%, Rash 0.9%, Dyspepsia 0.7%, Fatulence 0.7%, Vorniting 0.7%, Abnormal Dry mouth 0.3%, Asthenia 0.2%, Insomnia 0.2%, Leukorrhea 0.2% of women, Monilais 0.2%, Pruritus 0.2%, Somnolence 0.2%, a 1733 males, 2108 females.

The following laboratory value changes of possible clinical significance irrespective of relationship to therapy with cefdinin, were seen during clinical trials conducted in the US: LABORATORY VALUE CHANGES OBSERVED WITH CEFDINIR CAPSULES US TRIALS IN ADULT AND ADOLESCENT PATIENTS (N=3841): Incidence ≥1%, ↑Urine leukocytes ↑Urine protein 2%, ↑Gamma-↓glutamyltransferasea 1% 2%, Türine protein 2%, TGamma-Jglutamyltransferasea 1%, Lymphocytes, TLymphocytes 1%, 0.2%, TMicrohematuria 1%, Incidence <1% but >0.1% TGlucose 0.9%, Türine glucose 0.9%, TWhite blood cells, JWhite blood cells 0.9%, 0.7% TAlanine aminotransferase (ALT) 0.7%, TEosinophils 0.7%, Türine specific gravity, Jürine specific gravity 0.6%, 0.2%, JBicarbonate 0.6%, Phosphorus, JPhosphorus 0.6%, 0.3%, TAspartate aminotransferase (AST) 0.4%, TAlkaline phosphatase 0.3%, TBlood urea nitrogen (BUN) 0.3%, JHemoglobin 0.3%, TPolymorphonuclear (PMNs), JPMNs 0.3%, 0.2%, TPotassium³ 0.2%, Tucatate dehydrogenase³ 0.2%, TPlatelets 0.3% JHaffor these parameters ^a N <3841 for these parameters

Clinical Trials - OMNICEF for Oral Suspension (Pediatric Patients):

Clinical Irials. 2289 pediatric patients (1783 US and 506 non-US) were treated with the recommended dose of cefdinir suspension (14 mg/kg/day). Most adverse events were mild and self-limiting. No deaths or permanent disabilities were attributed to cefdinir. Forty of 2289 (2%) patients discontinued medication due to adverse events considered by the investigators to be possibly, probably, or definitely associated with cefdinir heavy. Discontinued medication are to the proposition of the constraints of the proposition of th therapy. Discontinuations were primarily for gastrointestinal disturbances, usually diarrhea. Five of 2289 (0.2%) patients were discontinued due to rash thought related to cefdinir administration.

In the US, the following adverse events were thought by investigators to

be possibly, probably, or definitely related to cefdinir suspension in multiple-dose clinical trials (N=1783 cefdinir-treated patients)

ADVERSE EVENTS ASSOCIATED WITH CEFDINIR SUSPENSION US TRIALS IN PEDIATRIC PATIENTS (N=1783)s Incidence ≥1%, Diarrheas 8%, Rash 3%, Vomiting 1%, Incidence <1% but >0.1%, Cutaneous moniliasis 0.9%, Abdominal pain 0.8%, Leukopenia 0.3%, Vaginal monillasis 0.3% of girls, Vaginitis 0.3% of girls, Abnormal stools 0.2% Dyspepsia 0.2%, Hyperkinesia 0.2%, Increased AST® 0.2% Maculopapular rash 0.2%, Nausea 0.2%, '977 males, 806 females,' Laboratory changes were occasionally reported as adverse events.

NOTE: In both cefdinir- and control-treated patients, rates of diarrhea and rash were higher in the youngest pediatric patients. The incidence of diarrhea in cefdinir-treated patients <2 years of age was 17% (95/557) compared with 4% (51/1226) in those >2 years old. The incidence of rash (primarily diaper rash in the younger patients) was 8% (43/557) in patients ≤2 years of age compared with 1% (8/1226) in those >2 years odd. The following laboratory value changes of possible clinical significance, irrespective of relationship to therapy with cefdinir, were seen during

clinical trials conducted in the US:

LABORATORY VALUE CHANGES OF POSSIBLE CLINICAL SIGNIFICANCE LABORATORY VALUE CHANGES OF POSSIBLE CLINICAL SIGNIFICANCE OBSERVED WITH CEFDINIR SUSPENSION US TRIALS IN PEDIATRIC PATIENTS (N=1783): Incidence >1% Tlymphocytes, 2% 0.8%, \$\pm\$, \$\pm\$ (n=1783): Incidence >1% Tlymphocytes, 2% 0.8%, \$\pm\$ (possible properties) 1%, \$\pm\$ (Platelets 1

Postmarketing Experience

The following adverse experiences and altered laboratory tests, regardless of their relationship to celdinir, have been reported during extensive postmarketing experience. Beginning with approval in Japan in 1991: Stevens-Johnson syndrome, toxic epidermal necrolysis, exfoliative dermatitis, erythema multiforme, erythema nodosum, conjunctivitis, stomatitis, acute hepatitis, cholestasis, fulminant hepatitis, hepatic failure, jaundice, increased amylase, shock, anaphylaxis, facial and failure, jaundice, increased amylase, shock, anaphylaxis, facial and laryngeal edema, feeling of suffocation, acute enterocolitis, bloody diarrhea, hemorrhagic colitis, melena, pseudomembranous colitis, pancytopenia, granulocytopenia, leukopenia, hrombocytopenia, idiopathic thrombocytopenic purpura, hemolytic anemia, acute respiratory failure, asthmatic attack, drug-induced pneumonia, eosinophilic pneumonia, idiopathic interstitial pneumonia, fever, acute renal failure, nephropathy, bleeding tendency, coagulation disorder, clieus, loss of consciousness, allergic vasculitis, possible celdinirdicolonac interaction, cardiac failure, chest pain, myocardial infarction, hypoetnesion, involuntary movements, and rhabdomyodysis. 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: Allergic reactions, anaphylaxis, Stevens-Johnson syndrome, erythema multiforme, toxic epidermal necrolysis, renal dysfunction, toxic nephropathy, hepatic dysfunction including cholestasis, aplastic anemia hemolytic anemia, hemorrhage, false-positive test for urinary glucose, neutropenia, pancytopenia, and agranulocytosis. Pseudomembranous colitis symptoms may begin during or after antibiotic treatment (see WARNINGS).

Several cephalosporins have been implicated in triggering seizures particularly in patients with renal impairment when the dosage was not particularly in patients with relatingament with the ubsage was not reduced (see **OVERDOSAGE**). If seizures associated with drug therapy occur, the drug should be discontinued. Anticonvulsant therapy can be given if clinically indicated.

OVERDOSAGE

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 adverse enects. Took sights and syntholis notwing overleasage with other β-lactam antibiotics have included nausea, vomitting, epigastric distress, diarrhea, 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 compromised.

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