She's not a patient. She's a person.

A person with arthritis. She expects

her NSAID to work. To work safely.

She comes to me for my experience.

She trusts me. And that's what

it's all about.

Contraindicated in patients hypersensitive to naproxen, aspirin, or other NSAIDs. As with other NSAIDs, the most frequent adverse events are gastrointestinal. With chronic NSAID therapy, serious GI toxicity such as bleeding, ulceration, and perforation can occur. Rare hepatic and renal reactions have been reported.

keep doing it With NAPROSYN (NAPROXEN) 500 mg tablets

Also available in 375 and 250 mg tablets and in suspension 125 mg/5 mL

Please see brief summary of full prescribing information on adjacent page.

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NAPROSYN[®] Brief Summary:

Centrainelications: Patients who have had allergic reactions to NAPROSYN, ANAPROX or ANAPROX Os or in whom asprin or other NSAIDs induce the syndrome of asthma, filmitis, and massin polyps. Induced the syndrome of asthma, filmitis, and massin polyps, urticaria, and brocerious, question patients for asthma, assai polyps, urticaria, and hypotension associated with NSAIDs before starting therapy. If such symptoms occur, discontinue the fug. Warnings: Serious Sil toxicity such as bededing, ulceration, and perforation can occur at any time, with or without warning symptoms, in patients treated chronically with NSAIDs. Remain alert for ulceration and bleeding in such patients even in the symptoms of the patients treated for one year. Inform patients about the signs and/or symptoms of serious Gil toxicity and what steps to take if they occur. Studies have not identified any subset of patients not at risk of developing peptic ulceration and bleeding. Except for a prior history of serious. Gil events and other irsk alcoholism, smoking, etc., no risk factors (e.g., age, sev) have been associated with increase risk. Elderly not ebiliated patients seem to tolerate ulceration or bleeding less well than others and onest spontaneous reports of tals cill events are in this population. In considering the use of relatively large doses (within the recommended dosage range), sufficient benefit should be anticipated to offset the potential ancreased risk of thorotty. Presentions: Oxfort the potential ancreased risk of thorotty. Presentions: OX (NAPROXEN SOLIUM). SINCE THEY BOTH CIRCULATE IN PLASMA AST HEN ARPROXEN SOLIUM) SINCE THEY BOTH CIRCULATE IN PLASMA AST HEN ARPROXEN SOLIUM, SINCE THEY BOTH CIRCULATE in PLASMA Continued the patients with impared renal function, beart affailure, liver dysfunction, patients with impared renal function in patients with fluid retention, bear of the derivations of the service of the patients. Why they are all patients with fluid retentions of the service of the patients and patien

Incidence of reported reaction 3%-9%. SYNTEX U.S. patent nos. 3.904.682, 3.998.966 and others.

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Rev. 39 September 1990

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ARCHIVES

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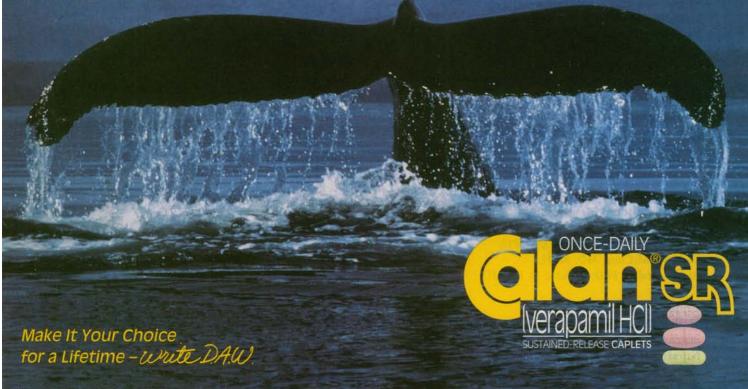
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CALAN® SR FOR HYPERTENSION-A BALANCE OF GENTLENESS AND POWER



The recommended starting dosage for Calan SR is 180 mg once daily. Dose titration will be required in some patients to achieve blood pressure control. A lower starting dosage of 120 mg/day may be warranted in some patients (eg. the elderly, patients of small stature). Dosages above 240 mg daily should be administered in divided doses. Calan SR should be administered with food. Constipation, which is easily managed in most patients, is the most commonly reported side effect of Calan SR.

Contraindications: Severe LV dysfunction (see Warnings), hypotension (systolic pressure < 90 mm Hg) or cardiogenic shock, sick sinus syndrome (if no pacemaker is present), 2nd- or 3rd-degree AV block (if no pacemaker is present), atrial flutter/fibrillation with an accessory bypass tract (eg. WPW or LGL syndromes), hypersensitivity to verapamil.

Warnings: Verapamil should be avoided in patients with severe LV dysfunction (eg. ejection)

fraction < 30%) or moderate to severe symptoms of cardiac failure and in patients with any degree of ventricular dysfunction if they are receiving a beta-blocker. Control milder heart failure with optimum digitalization and/or diuretics before Calan SR is used. Verapamil may occasionally produce hypotension. Elevations of liver enzymes have been reported. Several cases have been demonstrated to be produced by verapamil. Periodic monitoring of liver function in patients on demonstrated to be produced by verapamil. Periodic monitoring of liver function in patients on verapamil is prudent. Some patients with paroxysmal and/or chronic atrial flutter/fibrillation and an accessory AV pathway (eg. WPW or LGL syndromes) have developed an increased antegrade conduction across the accessory pathway bypassing the AV node, producing a very rapid ventricular response or ventricular fibrillation after receiving LV verapamil for digitalis). Because of this risk, oral verapamil is contraindicated in such patients. AV block may occur (2nd- and 3rd-degree, 0.8%). Development of marked 1st-degree block or progression to 2nd- or 3rd-degree block requires reduction in dosage or, rarely, discontinuation and institution of appropriate therapy. Sinus bradycardia, 2nd-degree AV block, sinus arrest, pulmonary edema and/or severe hypoten-sion were seen in some critically ill patients with hypertrophic cardiomyopathy who were treated with veranemil

with verapamil.

Precautions: Verapamil should be given cautiously to patients with impaired hepatic function (in severe dysfunction use about 30% of the normal dose) or impaired renal function, and patients should be monitored for abnormal prolongation of the PR interval or other signs of overdosage. Verapamil may decrease neuromuscular transmission in patients with Duchenne's muscular dysrophy and may prolong recovery from the neuromuscular blocking agent vecuronium. It may be necessary to decrease verapamil dosage in patients with attenuated neuromuscular transmission. Combined therapy with beta-adrenergic blockers and verapamil may result in additive negative effects on heart rate, atrioventricular conduction and/or cardiac contractility; there have been reports of excessive bradycardia and AV block, including complete heart block. The risks of such reports of excessive bradycardia and AV block, including complete heart block. The risks of suct combined therapy may outweigh the benefits. The combination should be used only with caution and close monitoring. Decreased metoprolol and propranolol clearance may occur when either drug is administered concomitantly with verapamil. A variable effect has been seen with combined use of atenolol. Chronic verapamil treatment can increase serum digoxin levels by 50% to 75% to 75%. during the first week of therapy, which can result in digitalis toxicity. In patients with hepatic cirrhosis, verapamil may reduce total body clearance and extrarenal clearance of digitoxin. The digoxin dose should be reduced when verapamil is given, and the patient carefully monitored. Verapamil will usually have an additive effect in patients receiving blood-pressure-lowering agents.

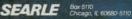
Disopyramide should not be given within 48 hours before or 24 hours after verapamil administration. Concomitant use of flecainide and verapamil may have additive effects on myocardial contractility. AV conduction, and repolarization. Combined verapamil and quinidine therapy in patients with hypertrophic cardiomyopathy should be avoided, since significant hypotension may result. Concomitant use of lithium and verapamil may result in an increased sensitivity to lithium result. Concomitant use of intuiting and verapamil may result in an increased sensitivity to intuiting incurrotoxicity), with either no change or an increase in serum lithium levels, however, it may also result in a lowering of serum lithium levels. Patients receiving both drugs must be monitored carefully. Verapamil may increase carbamazepine concentrations during combined use. Rifampin may reduce verapamil bioavailability. Phenobarbital may increase verapamil clearance. Verapamil may increase serum levels of cyclosporin. Verapamil may inhibit the clearance and increase the plasma levels of theophylline. Concomitant use of inhalation anesthetics and calcium antagonists needs careful titration to avoid excessive cardiovascular depression. Verapamil may potentiate the activity of neuromuscular blocking agents curare-like and depolarizing) dosage reduction may be required. There was no evidence of a carringonemic potential of verapamil agent reduction may be 2 years. A study in rats did not suggest a tumorigenic potential, and verapantil was not mutagenic in the Ames test. Pregnancy Category C. There are no adequate and well-controlled studies in pregnant women. This drug should be used during pregnancy, labor, and delivery only if clearly needed. Verapamil is excreted in breast milk; therefore, nursing should be discontinued during

verapamil use.

Adverse Reactions: Constipation (7.3%), dizziness (3.3%), nausea (2.7%), hypotension (2.5%), headache (2.2%), edema (1.9%), CHF pulmonary edema (1.8%), fatigue (1.7%), dyspnea (1.4%), bradycardia: HR < 50/min (1.4%), AV block total 11,2°,3° (1.2%), 2° and 3° (0.8%), rash (1.2%), flushing (0.6%), elevated liver enzymes, reversible non-obstructive paralytic ileus. The following reactions, reported in 1.0% or less of patients, occurred under conditions where a causal relationship is uncertain: angina pectoris, atrioventricular dissociation, chest pain, claudication, myocardial infarction, palpitations, purpura (vasculitis), syncope, diarrhea, dry mouth, gastrointestinal distress, gingival hyperplasia, ecchymosis or bruising, cerebrovascular accident, confusion, equilibrium disorders, insomnia, muscle cramps, paresthesia, psychotic symptoms, shakiness, somnolence, arthralgia and rash, exanthema, hair loss, hyperkeratosis, macules, sweating, urticaria, Stevens-Johnson syndrome, erythema multiforme, blurred vision, gynecomastia, galactorrhea/hyperprolactinemia, increased urination, spotty menstruation, impotence.

2/13/92 • P92CA7196V

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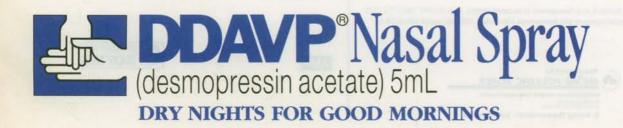


TAKE EFFECTIVE CONTROL OF BED-WETTING



- Rapid response—substantial effect seen in as little as 1 to 3 nights of therapy¹
- A combined 15-year record of successful and safe use in the U.S. and Europe²
- May be used hand in hand with behavior modification

Nighttime fluid intake should be restricted to decrease the potential occurrence of fluid overload; serum electrolytes should be checked at least once when therapy is continued beyond 7 days.



DDAVP®Nasal Spray

(desmopressin acetate) 5mL

Dry Nights For Good Mornings

Brief Summary
CONTRAMDICATION: Known hypersenstivity to DDAVP Nasal Spray.
WARNINGS:
1 For intranasal use only
2 in very young and elderly patients in particular, fluid intake should be adjusted in order to decrease the potential occurrence of water intoxication and hyporateman. Particular attention should be paid to the possibility of the rare occurrence of an extreme decrease in orderand completible not involve in contract.

indoxication and hyporatemial Farticular alterition should be paid to trie possibility of the fare occurrence of an extreme decrease in plasma cambility and resulting sezures.

PRECAUTIONS:
General DDAIP Nasal Spray at high dosage has infrequently produced a slight elevation of blood pressure, which disappeared with a reduction in dosage. The drug should be used with caution in patients with coronary aftery insufficiency and/or hypertensive cardiovascular disease because of possible sen blood pressure.

**DOAIP Nasal Spray should be used with caution in patients with conditions associated with fluid and electrolyte imbalance, such as cys-

DDAP Nasal Soray should be used with caution in patients with conditions associated with fluid and electrolyte imbalance, such as cystic florosis, because these patients are prone to hyporateriam; or other disease may cause entatic, unreliable absorption in which case DDAP Nasal Spray should not be used. For such situations, DDAP injection should be consocied.

Primary Nocturnal Enuresis of changes in the nasal mucosa have occurred probability and be used. For such situations, DDAP injection should be consocied.

Primary Nocturnal Enuresis of changes in the nasal mucosa have occurred unreliable absorption may result. DDAP Nasal Spray should be disconfined until the nasal problems resolve.

Primary Nocturnal Enuresis of changes in the nasal mucosa have occurred before 50 doses of 10 mog each Any solution remaining after 50 doses should be discrated since the amount delivered thereafter may be substantially less than 10 mog of drug. No attempt should be made to transfer remaining solution to another bottle. Patients should be instructed to read accompanying directions on use of the spray pump carefully before use.

Laboratory Tests Laboratory lests for following the patient with central cranal diabetes inspidus or post-surgical or head transma-related polyuna and polytopsa incidule rune volume and ensolution to another bottle. Patients should be instructed to read accompanying directions on use of the spray pump carefully before use.

Laboratory Tests Laboratory lests for following the patient with primary noctural enuress, serum electrolytes should be chacked at least once if therapy is continued beyond 7 days.

Drug Interactions Although the pressor agents should only be done with careful patient monitoring.

Carcinogenesis, Mutageriessis, Impariment of Fertility: Teratology studies in rats have shown no abnormalities. No further information is available.

of DDAPP Nasal Spray with other pressor ageins should only be done with careful patient monitoring.

Cacinogeness, Mulagenesis, Impairment of Fertility: Tetalology studies in rats have shown no abnormalities. No further information is available.

Pagnanory-Calegory & Reproduction studies performed in rats and rabbits with doses up to 12.5 times the human intransasi dose (i.e. about 12.5 times the total adult human dose given systemically) have revealed no evidence of harm to the letus due to desmopressin acetalize. There are several publications of management of debels enspridus in pregnant women with no harm to the letus reported, however, or controlled studies in pregnant women with no harm to the letus reported, however, or controlled studies in pregnant women with no harm to the letus reported, however, or controlled studies in pregnant women with no harm to the letus reported, however, or controlled studies in pregnant women with no harm to the letus reported, however, or controlled studies in pregnant women with no harm to the letus reported, however, or controlled studies in pregnant in a post-partime woman demonstrations or weeking to some pressor, but little fray orchange in easily not pressed in childhood nocturnal enuresis. Short-term (4 is week). DoAMP Nasal Spray in breast misk following an intransasi dose of 10 mog. Pediatric Use: Primary Nocturnal Enuresis: DOAMP Nasal Spray in primary nocturnal enuresis. Short-term (4 is week). DoAMP Nasal Spray has been used in childhood nocturnal enuresis. Short-term (4 is week). The dose should be individually adjusted to achieve the best results.

Central Canala Babetes inspicus: DDAMP Nasal Spray has been used in children with diabetes insipicus. Use in infants and children with require careful fluid make restriction to prevent possible hyporalterina and water influcation. The dose must be influidually adjusted to achieve the best results.

Central Canala Babetes inspicus: DDAMP Nasal Spray has been used in children with diabetes insipicus. Use in infants a

prival study data for hootenial endicate.	PLACEBO (N=59)	20 mcg (N=60)	40 mcg (N-61)
ADVERSE REACTION	<u>%</u>	<u>%</u>	-%
BODY AS A WHOLE	_	_	-
Abdominal Pain	0	2	2
Asthenia	0	0	2
Chills	0	0	2
Headache	0	2	5
Throat Pain	2	0	0
NERVOUS SYSTEM	_		
Depression	2	0	0
Dizziness	0	0	3
RESPIRATORY SYSTEM	•		
Epistaxis	2	3	Ŏ
Nostrii Pain	0 2	2 0	Ů,
Respiratory Infection	2	U 8	ņ
Rhinitis Cardiovascular system	2	8	3
Vasodilation	2	0	0
DIGESTIVE SYSTEM	2	U	U
Gastrointestinal Disorder	0	2	n
Nausea -	ŏ	2	ž
SKIN & APPENDAGES	J	v	٠
Leg Rash	2	0	0
Rash	5	ň	ŏ
SPECIAL SENSES	-	•	•
Conjunctivitis	0	2	0
Edema Eyes	Ŏ	2	Ŏ
Lachrymation Disorder	Ō	Ó	2

OVERDOSAGE: See adverse reactions above. In case of overdosage, the dose should be reduced, frequency of administration decreased, or the drug withdrawn according to the severity of the condition. There is no known specific antidate for DDAVP Nasal Spray. An oral LD_{SO} has not been established. An intravenous dose of 2 mg/kg in mice demonstrated no effect.

HOW SUPPLIED: A 5-mL bottle with spray pump delivering 50 disses of 10 mog (NDC 0075-2450-02). Also available as 2.5 mL per val. packaged with two finnal tube applications per carron (NDC 0075-2450-01). Keep refrigerated at 2*-8*C (36*-46*F). When traveling, product will maintan stability from 16.3 weeks when stored at room temperature, 22*C (72*F). CAUTION: Federal (IU.S.A.) law prohibits dispensing without prescription.

Please see full prescribing information in product circula

References:

- 1. Aladjem M, Wohl R, Boichis H, et al: Desmopressin in nocturnal enuresis. Arch Dis Child 1982;57:137-140.
- 2. Bloom DA: The American experience with desmopressin. Clin Pediatr 1993(July, special edition):28-31.



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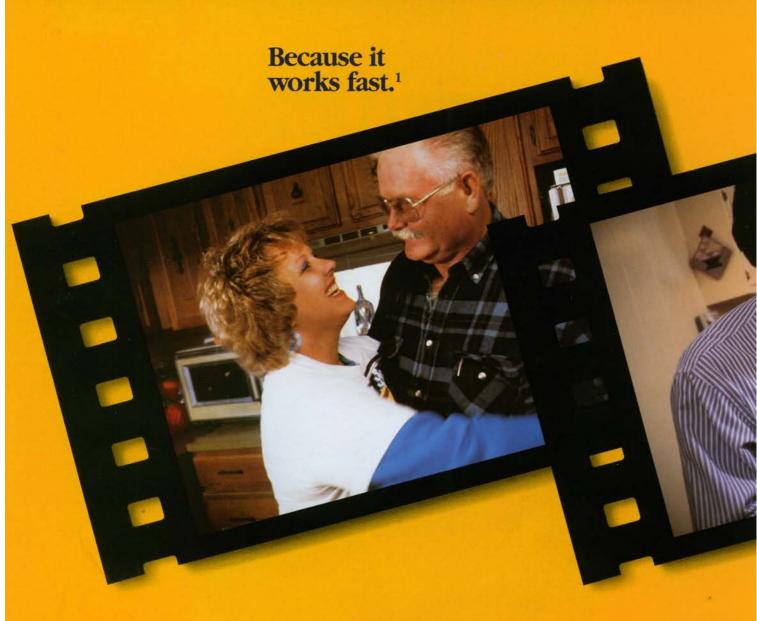
HOW MUCH HAVE YOUR MIGRAINE PATIENTS TOLD YOU LATELY ABOUT THEIR CURRENT TREATMENT?



"My medicine knocks the pain out, but it knocks me out too...

I guess it's probably the best I can hope for."

MORE OF YOUR PATIENTS MAY

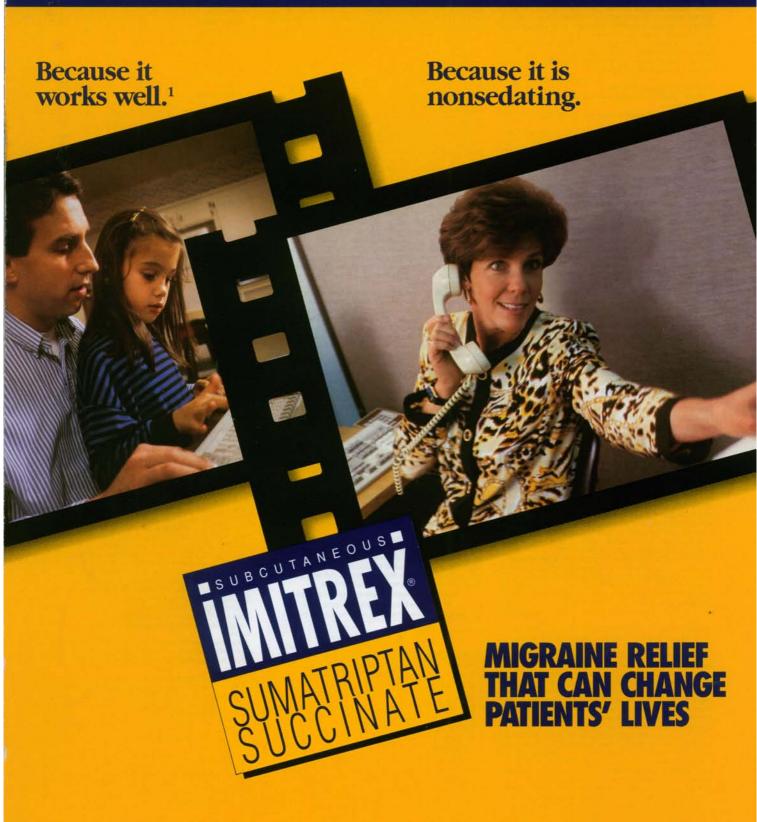


The most frequently reported adverse events associated with IMITREX are injection-site reactions (59%), atypical sensations (e.g., tingling, warm/hot sensation) (42%), and dizziness/vertigo (12%). IMITREX is contraindicated in patients with ischemic heart disease, symptoms or signs consistent with ischemic heart disease, or Prinzmetal's angina because of the potential to cause coronary vasospasm. IMITREX is contraindicated in patients

with uncontrolled hypertension because it can give rise to increases in blood pressure (usually small). IMITREX should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus. (Please see Precautions.) IMITREX should not be administered to patients with basilar or hemiplegic migraine.

Reference: 1. Cady RK, Wendt JK, Kirchner JR, Sargent JD, Rothrock JF, Skaggs H Jr. Treatment of acute migraine with subcutaneous sumatriptan. JAMA. June 1991;265:2831-2835.

BENEFIT FROM IMITREX



Imitrex®(sumatriptan succinate) Injection For Subcutaneous Use Only.

The following is a brief summary only. Before prescribing, see complete prescribing information in Imitrex® Injection product labeling. INDICATIONS AND USAGE: Imitrex® Injection is indicated for the acute treatment of migraine attacks with or without aura

Imitrex Injection is not for use in the management of hemiplegic or basilar migraine (see WARNINGS).

Safety and effectiveness have also not been established for cluster headache, which is present in an older, predominantly male population. CONTRAINDICATIONS: Imitrex* Injection should not be given travenously because of its potential to cause coronary va

For similar reasons, (mitrex Injection should not be given subcutaneously to patients with ischemic heart disease (angina pectoris, history of myocardial infarction, or documented silent ischemia) or to patients with Prinzmetal's angina. Also, patients with symptoms or signs consistent with ischemic heart disease should not receive Imitrex Injection. Because Imitrex Injection can give rise to increases in blood pressure (usually small), it should not be given to patients with uncontrolled hypertension.

Imitrex Injection should not be used concomitantly with ergotamine-containing preparations

Imitrex Injection is contraindicated in patients with hypersensitivity to sumatriptan.

WARNINGS: Imitrex® Injection should not be administered to patients with basilar or hemiplegic migraine

wan ossiar or nemplegic migranie.

Cardiac Events/Coronary Constriction: Serious coronary events following Imitrex Injection can occur but are extremely rare; nonetheless, consideration should be given to administering the object of mitrex Injection in the physician's office to patients in whom unrecognized coronary disease is comparatively likely (postmenopausal programments). women; males over 40; patients with risk factors for CAD, such as hypertension, hypercholesterolemia, obesity, diabetes, smokers, and strong family history). If symptoms consistent with angina occur, electrocardiographic (ECG) evaluation should be carried out to look for ischemic changes.

Sumatriptan may cause coronary vasospasm in patients with a history of coronary artery disease, who are known to be more susceptible than others to coronary artery vasospasm, and, rarely, in patients without prior history suggestive of coronary artery disease. There were eight patients among the more than 1,900 who participated in controlled trials who sustained clinical events during or shortly after receiving subcutaneous sumatriptan that may have reflected coronary vasospasm. Six of these eight patients had ECG changes consisten with transient ischemia, but without symptoms or signs. Of the eight patients, four had some findings suggestive of coronary artery disease prior to treatment. None of these adverse events was associated with a serious clinical outcome

There have been rare reports from countries in which Imitrex Injection has been marketed of serious and/or life-threatening arrhythmias, including atrial fibrillation, ventricular fibrillation, ventricular tachycardia; myocardial infarction; and marked ischemic ST elevations associated with Imitrex Injection. In addition, there have been rare, but more frequent, reports of chest and arm discomfort

thought to represent angina pectoris. Use in Women of Childbearing Potential: (see PRECAUTIONS) PRECAUTIONS:

General: Chest, jaw, or neck tightness is relatively common after Imitrex® Injection, but has only rarely been associated with ischemic ECG changes Imitrex Injection may cause mild, transient elevation of blood

pressure and peripheral vascular resistance.

Imitrex Injection should also be administered with caution to patients with diseases that may alter the absorption, metabolism, or excretion of drugs, such as impaired hepatic or renal function.

As with other acute migraine therapies, before treating headaches in

patients not previously diagnosed as migraineurs and in migraineurs who present with atypical symptoms, care should be taken to exclude other potentially serious neurological conditions. There have been rare reports where patients received sumatriptan for severe headaches that were subsequently shown to have been secondary to an evolving neurological lesion (cerebrovascular accident, subarachnoid hemorrhage). In this regard, it should be noted that migraineurs may be at increased risk of certain cerebrovascular events (e.g., cerebrovascular accident, transient ischemic attack).

Although written instructions are supplied with the autoinjector,

patients who are advised to self-administer Imitrex Injection in medically unsupervised situations should receive instruction on the proper use of the product from the physician or other suitably qualified health care professional prior to doing so for the first time.

Information for Patients: See PATIENT INFORMATION at the end of the product package insert for the text of the separate leaflet provided

Laboratory Tests: No specific laboratory tests are recommended for monitoring patients prior to and/or after treatment with Imitrex Injection.

Drug Interactions: There is no evidence that concomitant use of migraine prophylactic medications has any effect on the efficacy or unwanted effects of sumatriptan. In two Phase III trials in the US, a retrospective analysis of 282 patients who had been using prophylactic drugs (verapamil n=63, amitriptyline n=57, propranolol n=94, for 45 other drugs n=123) were compared to those who had not used prophylaxis (n=452). There were no differences in relief rates at 60 minutes postdose for lmitrex Injection, whether or not prophylactic medications were used. There were also no differences in overall

adverse event rates between the two groups.

Ergot-containing drugs have been reported to cause prolonged vasospastic reactions. Because there is a theoretical basis that these effects <u>may</u> be additive, use of ergotamine and surnatriptan within 24 hours of each other should be avoided (see CONTRAINDICATIONS).

Drug/Laboratory Test Interactions: Imitrex Injection is not known to interfere with commonly employed clinical laboratory tests.

Carcinogenesis, Mutagenesis, Impairment of Fertility: In a 104-week lifetime study in rats given sumatriptan by oral gavage, serum concentrations achieved were dose related, ranging at the low dose from approximately twice the peak concentration of the drug after the recommended human subcutaneous dose of 6 mg to more than 100

times this concentration at the high dose. There was no evidence of an increase in tumors considered to be related to sumatriptan administration.

In a 78-week study in which mice received sumatriptan continuously in drinking water, there was no evidence for an increase in tumors considered to be related to sumatriptan administration. That study, however, did not use the maximum tolerated dose and therefore did not fully explore the carcinogenic potential of Imitrex® (sumatriptan succinate) Injection in the mouse

A Segment I rat fertility study by the subcutaneous route has shown no evidence of impaired fertility

Pregnancy: Pregnancy Category C: Sumatriptan has been shown to be embryolethal in rabbits when given in daily doses producing plasma levels 3-fold higher than those attained following a 5-mg subcutaneous injection (i.e., recommended dose) to humans. There is no evidence that establishes that sumatriptan is a human teratogen; however, there are no adequate and well-controlled studies in pregnant women. Imitrex Injection should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

In assessing this information, the following additional findings

Embryolethality: When given intravenously to pregnant rabbits daily throughout the period of organogenesis, sumatriptan caused embryolethality at doses at or close to those producing maternal toxicity. The mechanism of the embryolethality is not known. At these doses, peak concentrations of drug in plasma were more than 3-fold higher than the range observed in humans after the recommended subcutaneous dose of 6 mg.

The intravenous administration of sumatriptan to pregnant rats throughout organogenesis at doses producing plasma concentrations more than 50 times those seen after the recommended subcutaneous human dose did not cause embryolethality. In a study of pregnant rats given subcutaneous sumatriptan daily prior to and throughout pregnancy, there was no evidence of increased embryo/fetal lethality.

Teratogenicity: Term fetuses from Dutch Stride rabbits treated during organogenesis with oral sumatriptan exhibited an increased incidence of cervicothoracic vascular defects and minor skeletal abnormalities. The functional significance of these abnormalities is not known.

In a study in rats dosed daily with subcutaneous sumatriptan prior

to and throughout pregnancy, there was no evidence of teratogenicity. Studies in rats and rabbits evaluating the teratogenic potential of sumatriptan administered subcutaneously only during organogenesis (standard Segment II studies) have not been performed.

Nursing Mothers: Sumatriptan is excreted in breast milk in animals No data exist in humans. Therefore, caution should be exercised when considering the administration of Imitrex Injection to a nursing woman. Pediatric Use: Safety and effectiveness of Imitrex Injection in children have not been established.

Use in the Elderly: The safety and effectiveness of Imitrex Injection in individuals over age 65 have not been systematically evaluated. However, the pharmacokinetic disposition of Imitrex Injection in the elderly is similar to that seen in younger adults. No unusual adverse, age-related phenomena have been identified in patients over the age of 60 who participated in clinical trials with Imitrex Injection.

ADVERSE REACTIONS: (see also PRECAUTIONS) Sumatriptan may

cause coronary vasospasm in patients with a history of coronary artery disease, known to be susceptible to coronary artery vasospasm, and

very rarely, without prior history suggestive of coronary artery disease.

There have been rare reports from countries in which Imitrex^a Injection has been marketed of serious and/or life-threatening arrhythmias, including atrial fibrillation, ventricular fibrillation, ventricular tachycardia; myocardial infarction; and marked ischemic ST elevations associated with Imitrex Injection (see WARNINGS). More often, there has been chest discomfort that appeared to represent angina pectoris.

Other untoward clinical events associated with the use of subcutaneous lmitrex Injection are: pain or redness at the injection site, atypical sensations (such as sensations of warmth, cold, tingling or paresthesia, pressure, burning, numbness, tightness, all of which may be localized or generalized), flushing, chest symptoms (pressure, pain, or tightness), fatigue, dizziness, and drowsiness. All these untoward effects are usually transient, although they may be severe in some patients. Transient rises in blood pressure soon after treatment have been recorded

Among patients in clinical trials of subcutaneous Imitrex Injection (n=6,218), up to 3.5% of patients withdrew for reasons related to adverse events

Incidence in Controlled Clinical Trials: The following Table lists adverse events that occurred in two large US, Phase III, placebo-controlled clinical trials following either a single dose of Imitrex Injection or placebo. Only events that occurred at a frequency of 1% or more in Imitrex Injection treatment groups and were at least as frequent as in the placebo group are included in Table.

Treatment-Emergent Adverse Experience Incidence in Two Large Placebo-Controlled Clinical Trials: Events Reported by at Least 1% of Imitrex Injection Patients

	Percent of Patients Reporting		
	Imitrex Injection		
	6 mg SC	Placebo	
Adverse Event Type	n=547	n=370	
Atypical sensations	42.0	9.2	
Tingling	13.5	3.0	
Warm/hot sensation	10.8	3.5	
Burning sensation	7.5	0.3	
Feeling of heaviness	7.3	1.1	
Pressure sensation	7.1	1.6	
Feeling of tightness	5.1	0.3	
Numbness	4.6	2.2	
Feeling strange	2.2	0.3	
Tight feeling in head	2.2	0.3	
Cold sensation	1.1 0.5		
Cardiovascular			
Flushing	6.6	2.4	
Chest discomfort	4.5	1.4	
Tightness in chest	2.7	0.5	
Pressure in chest	1.8	0.3	

	r		
	Percent of Patients Reporting		
	Imitrex Injection		
l	6 mg SC	Placebo	
Adverse Event Type	n=547	n=370	
Ear, nose, and throat			
Throat discomfort	3.3	0.5	
Discomfort: nasal cavity/sinuses	2.2	0.3	
Eye			
Vision alterations	1,1	0.0	
Gastrointestina!			
Abdominal discomfort	1.3	0.8	
Dysphagia	1.1	0.0	
Injection site reaction	58.7	23.8	
Miscellaneous			
Jaw discomfort	1.8	0.0	
Mouth and teeth			
Discomfort of mouth/tongue	4.9	4.6	
Musculoskeletal			
Weakness	4.9	0.3	
Neck pain/stiffness	4.8	0.5	
Myalgia	1.8	0.5	
Muscle cramp(s)	1.1	0.0	
Neurological			
Dizziness/vertigo	11.9	4.3	
Drowsiness/sedation	2.7	2.2	
Headache	2.2	0.3	
Anxiety	1.1	0.5	
Malaise/fatigue	1.1	8.0	
Skin			
Sweating	1.6	1,1	

The sum of the percentages cited is greater than 100% because patients may experience more than one type of adverse event. Only events that occurred at a frequency of 1% or more in Imitrex® (sumatriptan succinate) Injection treatment groups and were at least

as frequent as in the placebo groups are included.

Other Events Observed in Association With the Administration of Imitrex Injection: In the paragraphs that follow, the frequencies of less commonly reported adverse clinical events are presented. Because the reports cite events observed in open and uncontrolled studies, the role of Imitrex Injection in their causation cannot be reliably determined. Furthermore, variability associated with reporting requirements, the terminology used to describe adverse events, etc., limit the value of the quantitative frequency estimates provided.

Event frequencies are calculated as the number of patients reporting

an event divided by the total number of patients (n=6,218) exposed to subcutaneous Imitrex Injection. Given their imprecision, frequencies for specific adverse event occurrences are defined as follows "infrequent" indicates a frequency estimated as falling between 1/1,000 and 1/100; "rare," a frequency less than 1/1,000.

Cardiovascular: Infrequent were hypertension, hypotension, bradycardia, tachycardia, palpitations, pulsating sensations, various transient ECG changes (nonspecific ST or T wave changes, prolongation of PR or QTc intervals, sinus arrhythmia, nonsustained ventricular premature beats, isolated junctional ectopic beats, atrial ectopic beats, delayed activation of the right ventricle), and syncope Rare were pallor, arrhythmia, abnormal pulse, vasodilatation, and Raynaud's syndrome.

Endocrine and Metabolic: Infrequent was thirst. Rare were polydipsia and dehydration.

Eye: Infrequent was irritation of the eye.

Gastrointestinal: Infrequent were gastroesophageal reflux, diarrhea, and disturbances of liver function tests. Rare were peptic ulcer, retching, flatulence/eructation, and gallstones.

Musculoskeletal: Infrequent were various joint disturbances (pain

stiffness, swelling, ache). Rare were muscle stiffness, need to flex calf muscles, backache, muscle tiredness, and swelling of the extremities.

Neurological: Infrequent were mental confusion, euphoria, agitation,

Neurological: Intrequent were mental confusion, euphoria, agitation, relaxation, chills, sensation of lightness, tremor, shivering, disturbances of taste, prickling sensations, paresthesia, stinging sensations, headaches, facial pain, photophobia, and lacrimation. Rare were transient hemiplegia, hysteria, globus hystericus, intoxication, depression, myoclonia, monoplegia/diplegia, sleep disturbance, difficulties in concentration, disturbances of smell, hyperesthesia, dysesthesia, simultaneous hot and cold sensations, tickling sensations, twenther includes and the hyperesthesia.

bysestnesia, similarities in an uord serisations, licking serisations, dysarthria, yawning, reduced appetite, hunger, and dystonia. *Respiratory*: Infrequent was dyspnea. Rare were influenza, diseases of the lower respiratory tract, and hiccoughs. *Dermatological*: Infrequent were erythema, pruritus, and skin rashes and eruptions. Rare was skin tenderness.

Urogenital: Rare were dysuria, frequency, dysmenorrhea, and renal

Miscellaneous: Infrequent were miscellaneous laboratory abnormalities, including minor disturbances in liver function tests, "serotonin agonist effect," and hypersensitivity to various agents. Rare

Postmarketing Experience: Frequency and causality for sumatriptan are not established for many of the following reports, which come from worldwide postmarketing experience: Episodes of Prinzmetal's angina, myocardial infarction, acute renal failure, seizure, cerebrovascular accident, dysphasia, subarachnoid hemorrhage, and arrhythmias (atrial fibrillation, ventricular fibrillation, and ventricular tachycardia). Hypersensitivity to Imitrex Injection has been reported, including anaphylactoid reactions, rash, urticaria, pruritus, erythema, and shortness of breath

DRUG ABUSE AND DEPENDENCE: The abuse potential of Imitrex® Injection cannot be fully delineated in advance of extensive marketing experience. One clinical study enrolling 12 patients with a history of substance abuse failed to induce subjective behavior and/or physiologic response ordinarily associated with drugs that have an established potential for abuse

CERENEX

January 1994 RL-091 SUC9 owskow of GLAXO MC. Research Triangle Park, NC 27709 IMX605R0 March 1994 Printed in USA

LOZOLIZOS INDAPAMDE TABLETS

Antihypertensive Efficacy Equivalent to 2.5 mg^{1*}

With the benefits of a lower once-daily dose

Favorable metabolic profile[†]—no adverse effect on lipids; only 2% incidence of clinical hypokalemia[‡]

Safe and effective for step-down therapy

Side-effect profile compatible with other antihypertensive agents

LOZOL 1.25 mg once daily is now the recommended starting dose for indapamide



LOZOL 1.25 MG. A LITTLE MEANS A LOT.

- * In a controlled clinical trial at 16 weeks, the changes in supine diastolic and systolic BPs with 1.25 mg of indapamide were not statistically different from LOZOL 2.5 mg.
- † Because of the diuretic effects of LOZOL 1.25, changes in certain electrolytes and blood chemistries can occur. Serum electrolytes and blood chemistries should therefore be monitored.
- ‡ 19.6% of patients had values less than 3.4 mEq/L. Only 7.5% had potassium levels below 3.2 mEq/L and less than 1% fell below 3.0 mEq/L Metabolic changes at higher doses of indapamide may be greater.

Please see brief summary of prescribing information on this page.

LOZOL® (indapamide) 1.25 mg and 2.5 mg tablets BRIEF SUMMARY

INDICATIONS: LOZOL (indapamide) is indicated for the treatment of hyperte alone or in combination with other antihypertensive drugs, and for the treatment of salt and fluid retention associated with congestive heart failure. Usage in Pregnancy: See PRECAUTIONS

CONTRAINDICATIONS: Anuria, hypersensitivity to indapamide or other

WARNINGS: Infrequent cases of severe hyponatremia, accompanied by hypokalema, have been reported with 2.5 mg and 5.0 mg indapamide primarily in elderly females. Symptoms were reversed by electrolyte replenishment hyponatremia considered possibly clinically significant (<125 mEg/L) has not been observed in clinical trials with the 1.25 mg dosage (see PRECAUTIONS). Hypokalemia occurs commonly with diuretics (see ADVERSE REACTIONS.) hypokalemia), and electrolyte monitoring is essential. In general, diuretics should

PRECAUTIONS: Perform serum electrolyte determinations at appropriate intervals expecially in patients who are vointing excessively or receiving parenteral fluids, in patients subject to electrolyte imbalance, or in patients on a salf-restricted diet. In addition, patients should be observed for clinical signs of fluid or electrolyte imbalance, such as hyponatremia, hypochloremic alkalosis, or hypokalema. The nisk of hypokalemia secondary to diuress and natiruresis is increased with larger doses, with brisk diuresis, with severe cirribosis, and with concomitant use of corticosteroids of CTL licenses with electrost salf licenses.

with brisk duresis, with severe ormosis, and with concentrant use of confocisterois or ACTH. Interference with adequate oral intake of electrolytes will also contribute to hypokalemia. Hypokalemia can sensitize or exaggerate the response of the heart to the toxic effects of digitalis, such as increased verificular irritability. Dutkoral hyponatremia may occur in edematous patients, appropriate treatment is usually water restriction. In actual sall depletion, appropriate replacement is the treatment of choice. Chloride deficit is usually mild, not requiring specific treatment except in extraordinary circumstances (liver, renal disease). Thazade-like duretics have been shown to increase the urinary excretion of magnesium; this may result in hypomagnesemia.

Hyperuncemia may occur, and frank gout may be precipitated in certain patients receiving indapamide. Serum concentrations of uric acid should be monitored

Describing the control of the contro

hepatic coma

Latent diabetes may become manifest and insulin requirements in diabetic patients may be altered during thiazide administration. A mean increase in glucose of 6.47 mgidt, was observed in patients treated with independed 1.25 mg, which was not considered clinically significant in these trials. Serum concentrations of glucose should be monitored routinely drung treatment with indepande. Calcium excretion is decreased by diuretics pharmacologically related to indepande. After six to eight weeks of indepandie 1.25 mg treatment and in long-term studies of hypertensive patients with higher doses of indepandie, however, serum concentrations of calcium increased only slightly with indepandie Indepande may decrease serum PBI levels without signs of thyroid disturbance. Complications of hyperparathyroidism have not been seen. Discontinue before tests of parathyroid function are performed. Thiazides have exacerbated or activated systemic lupus erythematosus. Consider this possibility with indepandie.

this possibility with indapamide

DRUG INTERACTIONS: LOZOL may add to or potentiate the action of other antihypertensive drugs. The antihypertensive effect of the drug may be enhanced in the postsympathectomized patient. Indapamide may decrease arterial responsiveness to norepinephrine, but this does not preclude the use of norepinephrine

In mouse and rat lifetime carcinogenicity studies, there were no significant differences in the incidence of tumors between the indapamide-treated animals and

billiethics in the indicated will unlike server in a supparative read a minus and in the control groups. Pregnancy Category B: Diuretics cross the placental berrier and appear in cord blood. Indapamide should be used during pregnancy only if clearly needed. Use may be associated with fetal or neonatal jaundice, thrombocytopenia, and possibly other adverse effects that have occurred in adults. It is not known whether this drug is excreted in human milk. If use of this drug is deemed essential, the patient should

ADVERSE REACTIONS: Most adverse effects have been mild and transient. From Phase I/I/II placeto-controlled studies with indapamide 1.25 mg, adverse reactions with ≥5% cumulative incidence: headache, infection, pain, back pain, dizziness, with 15% cumulative inoidence: headache, infection, pain, back pain, dizzines, shimists, 45% cumulative inoidence astheria, th syndrome, abdomiani pain, dizzines, phyceronia, coogh, pharyoglis, sinustis, conjunctivits. All other clinical adverse reactions occurred at an inoidence of 41% in controlled clinicis this of six to eight weeks in duration, 20% of patients receiving indapamide 1.25 mg, 61% of patients receiving indapamide 1.25 mg, 61% of patients receiving indapamide 1.25 mg group, about 40% of those patients who reported hypokalemia as a laboratory adverse event returned to normal serum potassium values without intervention. Hypokalemia with concomitant clinical signs or symptoms occurred in 2% of patients receiving indapamide 1.25 mg. From Phase II placebo-controlled studies and long-term controlled clinical thals with LOZOL 2.5 mg or 5.0 mg, adverse reactions with ≥ 5% cumulative incidence: headache, dizziness, fatigue, weakness, loss of energy, lettragy, firedness or malaise, musde cramps or spam or numbness of the extremities, nervousness, tension, anxiety, irritability or agitation, 55% cumulative incidence: lighthreadethess, drowsiness, vertigo, insommis, depression, blurred vision, constipation, nausea, vomiting, diarrhea, gastric irritation, abdominal pain or cramps, anorexia, orthostatic hypotension, premature vertificular contractions, irregular heart beat, patifiations, frequency of unnation, nocturia, polyuria, rash, hives, pruntus, vasculfis, impotence or reduced libido, rhinorthea, libaring, hyperincieriae, hypocotheremia, hypocotheremia, hypocotheremia, hypocotheremia, noctunia, polyunia rash; hives, pruntus vasculifis, impotence or reduced libido, hinorrhiea, flushing, hyperunicemia, hyperglycemia, hyponaltermia, hypochloremia, increase in serum BUN or creatinine; glycosuna, weight loss, dry mouth, lingling of extremities. Hypokalemia with concomitant clinical signs or symptoms occurred in 3% of patients receiving indapamide 2.5 mg q.d. and 7% of patients receiving indapamide 5 mg, q.d. In long-term controlled clinical trials comparing the hypokalemic effects of daily doses of indapamide and hydrochrorthiazide, however, 47% of patients receiving indapamide 2.5 mg, 27% of patients receiving indapamide 5 mg, and 44% of patients receiving hydrochlorothiazide 50 mg had at least one potassium value (out of a total of 11 taken during the study) below 3.5 mEq.L. In the indapamide 2.5 mg group, over 50% of those patients returned to normal serum potassium values without intervention. Other adverse reactions reported with antihyportensive/diuretics are intrahepate; cholestatic iaundice. To ramia serum poussum values wirzou intervention. Other adverse reactions reported with antihypertensivediuretics are intrahepatic cholestatic, juindice, sialadentiis, xanthopsia, photosensitivity, purpura, bullous eruptions. Stevens-Johnson syndrome, necrotizing angilisis, lever, respiratory distress (including pneumonitis), anaphylactic reactions, agranulocytosis, leukopenia, thrombocytopenia, aplastic anemia.

CAUTION: Federal (U.S.A.) law prohibits dispensing without prescription. Keep tightly closed. Store at controlled room temperature. 15°-30°C (59°-86°F). Avoid excessive heat. Dispense in tight containers as defined in USP. See product circular for full prescribing information. Revised: 5/93

Reference: 1. Data on file, Rhône-Poulenc Rorer Pharmaceuticals Inc.



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Extra Strength, 400 mg, for the Pain and Inflammation of Osteoarthritis

Simple B.I.D. Choice*

Favorable Tolerability Profile[†]

- •LODINE is contraindicated in patients who have previously shown hypersensitivity to it.
- LODINE should not be given to patients in whom LODINE, aspirin, or other NSAIDs induce asthma, rhinitis, urticaria, or other allergic reactions. Fatal asthmatic reactions have been reported in such patients receiving NSAIDs.
- The most frequent type of adverse reaction occurring with LODINE is gastrointestinal.
- Serious GI toxicity, such as bleeding, ulceration, and perforation, can occur. Patients should be selected accordingly.
- Serious renal and hepatic reactions have been reported rarely.
- *Recommended starting dosage in OA is 800 mg to 1,200 mg/day in divided doses.
- [†] The most frequent complaints relate to the GI tract. Serious GI toxicity, such as perforation, ulceration, and bleeding, can occur in patients treated chronically with NSAID therapy.



More Strength To Live With Osteoarthritis

Lodine® (etodolac) Tablets/Capsules

Brief Summary

Indications and Usage: Lodine is indicated for acute and long-term use in the management of signs and symptoms of osteoarthritis. Lodine is also indicated for the management of pain. Contraindications: Hypersensitivity to Lodine. Patients in whom Lodine, aspirin, or other NSAIDs induce asthma, rhinitis, urticaria, or other allergic reactions. Fatal asthmatic reactions have been reported in such patients receiving NSAIDs. Warnings: Serious GI toxicity, such as bleeding, ulceration, and perforation, can occur at any time, with or without warning symptoms, in patients treated chronically with NSAIDs. Remain alert for ulceration and bleeding in such patients even in the absence of previous GI-tract symptoms. In clinical trials, symptomatic upper GI ulcers, gross bleeding or perforation appear to occur in approximately 1% of patients treated for 3-6 months and in about 2-4% of patients treated for 1 year. Inform patients about the signs and/or symptoms of serious GI toxicity and what steps to take if they occur. Studies have not identified any subset of patients not at risk of developing peptic ulceration and bleeding. Except for a prior history of serious GI events and other risk factors known to be associated with peptic ulcer disease, such as alcoholism, smoking, etc., no risk factors (e.g., age, sex) have been associated with increased risk. Elderly or debilitated patients seem to tolerate ulceration or bleeding less well than others and most spontaneous reports of fatal GI events are in this population. In considering the use of relatively large doses (within the recommended dosage range), sufficient benefit should be anticipated to offset the potential increased risk of GI toxicity. Precautions: Patients with impaired renal function, heart failure, liver dysfunction, those taking diuretics, and the elderly are at greater risk of overt renal decompensation. If this occurs, discontinue the drug. With NSAIDs, borderline elevations of liver tests may occur in up to 15% of patients. They may disappear, remain unchanged, or progress with continued therapy. Elevations of ALT or AST (approximately three or more times the upper limit of normal) have been reported in approximately 1% of patients. A patient with symptoms and/or signs suggesting liver dysfunction, or in whom an abnormal liver test has occurred, should be evaluated for the development of a more severe hepatic reaction. Although such reactions are rare, if abnormal liver tests persist or worsen, if liver disease develops or it systemic manifestations occur (e.g., eosinophilia, rash, etc.), discontinue therapy. Anemia is sometimes seen, which may be due to fluid retention, Gl blood loss, or an incompletely described effect upon erythropoiesis. Patients should have their hemoglobin or hematocrit checked if they develop signs or symptoms of anemia. Fluid retention and edema have been observed in some patients: therefore, use with caution in those with fluid retention, hypertension, or heart failure. Information for Patients: NSAID side effects can cause discomfort and, rarely, may be serious, such as GI bleeding that may result in hospitalization and even fatal outcomes. Physicians may wish to discuss with patients the potential risks and likely benefits of Lodine treatment, particularly when it may be used for less serious conditions in which treatment without Lodine may be an acceptable alternative. Laboratory Tests: Because serious GI-tract ulceration and bleeding can occur without warning symptoms, follow chronically treated patients for signs and symptoms of these and inform them of the importance of this follow-up. Drug Interactions: Use caution when giving concomitantly with antacids, aspirin, warfarin, phenytoin, glyburide, diuretics, cyclosporine, digoxin, lithium, or methotrexate. Coadministration of Lodine and phenylbutazone not recommended. **Drug/Laboratory Test Interactions:** Falsepositive for urinary bifirubin and/or urinary ketone. Teratogenic Effects: Pregnancy Category C: Lodine should be used during pregnancy only if the potential benefits justify the potential risk to the fetus. Avoid use during late pregnancy, Labor and Delivery: Lodine is not recommended. Nursing Mothers: Safety has not been established. Caution should be exercised if Lodine is administered to a nursing woman. Pediatric Use: Safety and effectiveness in children have not been established. Geriatric Population: No dosage adjustment is generally necessary, nevertheless caution should be exercised.

Adverse Reactions: Incidence greater than or equal to 1%—probably causally related: Body as a whole: chills and fever. Digestive system: dyspepsia (10%), abdominal pain*, diarrhea*, flatulence*, nausea*, constipation, gastritis, melena, vomiting. Nervous system: asthenia/malaise*, dizziness*, depression nervousness. Skin and appendages: pruritus, rash. Special senses: blurred vision, tinnitus. Urogenital system: dysuria, urinary frequency.* Drug-related patient complaints occurring in 3-9% of patients. Drug-related patient complaints occurring in fewer than 3%, but more than 1%, are unmarked. **Incidence less** than 1%—probably causally related: (Reactions not seen in clinical trials are rarer and are italicized). Cardiovascular system: hypertension, congestive heart failure, flushing, palpitations, syncope. Digestive system: thirst, dry mouth, ulcerative stornalitis, anorexia, eructation, elevated liver enzymes. *cholestatic hepatitis*, hepatitis, *cholestatic jaundice*, *pub* (i. e., peptic ulcer with or without bleeding and/or perforation), *pancreatitis*. Hemic and lymphatic system: ecchymosis, anemia, thrombocytopenia, bleeding time increased, agranulocytosis, hemolytic anemia, neutropenia, pancytopenia. Metabolic and nutritional: edema. serum creatinine increase, hyperglycemia in previously controlled diabetic patients. Nervous system: insomnia, somnolence. Respiratory system: asthma. Skin and appendages: angioedema, sweating, urticaria, vesiculobullous rash, cutaneous vasculitis with purpura, Stevens-Johnson Syndrome, hyperpigmentation, erythema multiforme. Special senses: photophobia, transient visual disturbances. Urogenital system: elevated BUN, renal failure, renal insufficiency, renal papillary necrosis. Incidence less than 1%—causal relationship unknown: Body as a whole: infection. Cardiovascular system: arrhythmias, myocardial infarction. Digestive system: esophagitis with or without stricture or cardiospasm, colitis. Hemic and lymphatic system: leukopenia. Metabolic and nutritional: change in weight. Nervous system: paresthesia, confusion. Respiratory system: bronchitis, dyspnea, pharyngitis, rhinitis, sinusitis. Skin and appendages maculopapular rash, alopecia, skin peeling, photosensitivity. Special senses: conjunctivitis, deafness, taste perversion. Urogenital system: cystitis, hematuria, leukorrhea, renal calculus, interstitial nephritis, uterine bleeding irregularities. Drug Abuse and Dependence: Lodine has no addiction potential in humans. **Overdosage:** May develop lethargy, drowsiness, nausea, vomiting, epigastric pain, Gl bleeding, coma, or anaphylactoid reaction. Hypertension, acute renal failure, and respiratory depression are rare. Empty stomach and use usual supportive measures. See package insert for full prescribing information.



June 15, 1993

CI 4000-6





Extra Strength, 400 mg Simple B.I.D. Choice



*Recommended starting dosage in OA is 800 mg to 1,200 mg/day in divided doses. LODINE is contraindicated in patients who have previously shown hypersensitivity to it. LODINE should not be given to patients in whom LODINE, aspirin, or other NSAIDs induce asthma, rhinitis, urticaria, or other allergic reactions.

Fatal asthmatic reactions have been reported in such patients receiving NSAIDs.

The most frequent complaints relate to the GI tract.

Serious GI toxicity, such as perforation, ulceration, and bleeding, can occur in patients treated chronically with NSAID therapy.

NOW FOR ANGINA

CARDIZEM® CD (diltiazem HCI) 120-, 180-, 240-, 300-mg Capsules



PROVEN 24-HOUR CONTROL OF BOTH ANGINA AND HYPERTENSION^{1,2}

Please see brief summary of prescribing information on adjacent page.

@1993, Marion Merrell Dow Inc. CCDAK302/A8539 0115A



ONCE-A-DAY CARDIZEM® CD

(diltiazem HCI)

24-HOUR CONTROL OF BOTH ANGINA AND HYPERTENSION

Brief Summary of ion as of October 1992 (2)

CARDIZEM® CD (diltiazem HCI)

Cansules CONTRAINDICATIONS

CARDIZEM is contraindicated in (1) patients with sick sinus syndrome except in the presence of a functioning ventricular pacemaker, (2) patients with second- or third-degree AV block except in the presence of a functioning ventricular pacemaker, (3) patients with hypotension (less than 90 mm Hg systolic), (4) patients who have demonstrated hypersensitivity to the drug, and (5) patients with acute myocardial infarction and pulmonary congestion by x-ray on admission

CARDIZEM prolongs AV node retractory periods without significantly prolonging sinus node recovery time, except in patients with sick sinus syndrome. This effect may rarely result in abnormally slow heart rates (particularly in patients with sick sinus syndrome) or second- or third-degree AV block (13 of 3,290 patients or 0,40%). Concomitant use of dilitiazem with beta-blockers or digitalis may result in additive effects on cardiac conduction. A atient with Prinzmetal's angina developed periods of asystole (2 to 5 seconds) after a single dose of 60 mg of diltiazen

Congestive Heart Failure. Although diltiazem has a negative inotropic effect in isolated animal tissue preparations, hemodynamic studies in humans with normal ventricular function have not shown a reduction in cardiac index nor consistent negative effects on contractifity (dp/dt). An acute study of oral diltiazem in patients with impaired ventricular function (ejection fraction 24% ±6%) showed improvement in indices of ventricular function without significant decrease in contractile function (dp/dt). Worsening of congestive heart failure has been reported in patients with preexisting impairment of ventricular function. Experience with the use of CARDIZEM (diffizem hydrochloride) in combination with beta-blockers in patients with impaired ventricular function is limited. Caution should be exercised when using this combination.

Hypotension. Decreases in blood pressure associated with CARDIZEM therapy may occasionally result in symptomatic hypotension

Acute Hepatic Injury Mild elevations of transaminases with and without concomitant elevation in alkaline phosphatase and bilinubin have been observed in clinical studies. Such elevations were usually transient and frequently resolved even with continued dilitiazem treatment. In rare instances, significant elevations in enzymes such as alkaline phosphatase. LDH. SGOT, SGPT, and other phenomena consistent with acute hepatic injury have been noted. These reactions tended to occur early after therapy initiation (1 to 8 weeks) and have been reversible upon discontinuation of drug therapy. The relation-ship to CARDIZEM is uncertain in some cases, but probable in some. (See PRECAUTIONS.)

General

CARDIZEM (dilitazem hydrochloride) is extensively metabolized by the liver and excreted by the kidneys and in bile. As with any drug given over prolonged periods, laboratory parameters of renal and hepatic function should be monitored at regular intervals. The drug should be used with caution in patients with impaired renal or hepatic function. In subacute and chronic dog and rat studies designed to produce toxicity, high doses of dilltazem were associated with hepatic damage. In special subacute hepatic studies, oral doses of 125 mg/kg and higher in rats were associated with histological changes in the liver which were reversible when the drug was discontinued. In dogs, doses of 20 mg/kg were also associated with hepatic changes, however,

Deematological events (see ADVERSE REACTIONS section) may be transient and may disappear despite continued use of CARDIZEM. However, skin eruptions progressing to envihema multiforme and/or extoliative dermatitis have also been infrequently reported. Should a dermatologic reaction persist. the drug should be discontinued.

Drug Interactions

these changes were reversible with continued dosing

Due to the potential for additive effects, caution and careful filtration are warranted bue to the potential not addrive elects, cathori and careful milation are warranged in patients receiving CARDIZEM concomitantly with any agents known to affect cardiac contractility and/or conduction. (See WARNINGS.) Pharmacologic studies indicate that there may be additive effects in profonging AV conduction when using beta-blockers or digitalis concomitantly with CARDIZEM. (See WARNINGS.)

As with all drugs, care should be exercised when treating patients with multiple medications CARDIZEM undergoes biotransformation by cytochrome P-450 mixed function oxidase. Coadministration of CARDIZEM with other agents which follow the same route of biotransformation may result in the competitive inhibition of metabolism. Dosages of similarly metabolized drugs such as cyclosporin, particularly those of low therapeutic ratio or in patients with renal and/or hepatic impairment, may require adjustment when starting or stopping concomitantly administered CARDIZEM to maintain optimum therapeutic blood

Beta-blockers. Controlled and uncontrolled domestic studies suggest that concomitant use of CARDIZEM and beta-blockers is usually well tolerated, but available data are not sufficient to predict the effects of concomitant treatment in patients with left ventricular dysfunction or cardiac conduction abnormalities.

Administration of CARDIZEM (diltiazem hydrochloride) concomitantly with propranolel in five normal volunteers resulted in increased propranolol levels in all subjects and bioavailability of propranolol was increased approximately 50%. In vitro, propranolol appears to be displaced from its binding sites by diffi-azem. If combination therapy is initiated or withdrawn in conjunction with propranolol, an adjustment in the propranolol dose may be warranted. (See WARNINGS.

Cimetidine. A study in six healthy volunteers has shown a significant increase in peak dilitiazem plasma levels (58%) and area-under-the-curve (53%) after a 1-week course of cimetidine at 1200 mg per day and a single dose of dilitiazem 60 mg. Ranitidine produced smaller, nonsignificant increases. The effect may be mediated by cimelitine's known inhibition of hepatic cytochrome P-450, the enzyme system responsible for the first-pass metabolism of dilitiazem. Patients currently receiving dilitiazem therapy should be carefully monitored for a change in pharmacological effect when initiating and discontinuing therapy with cimelidine. An nt in the dilliazem dose may be warranted.

adjustment in the diffusern dose may be warranned.

Digitatis: Administration of CARD/ZEM with digoxin in 24 healthy male subjects increased plasme digoxin concentrations approximately 20%. Another investigator found no increase in digoxin levels in 12 patients with coronary aftery disease. Since there have been conflicting results regarding the effect of digoxin levels in its recommended that digoxin levels be monitored when initiating, adjusting, and discontinuing CARDIZEM therapy to avoid possible over- or under-digitalization. (See WARNINGS.)

Anesthetics. The depression of cardiac contractifity, conductivity, and automaticity as well as the vascular distributions are proceeded with sensethatics was the noteristated for earlier planned blookers. When used con-

lar dilation associated with anesthetics may be potentiated by calcium channel blockers. When used concomitantly, anesthetics and calcium blockers should be titrated carefully

Carcinogenesis, Mutagenesis, Impairment of Fertility

A 24-month study in rats at oral dosage levels of up to 100 mg/kg/day and a 21-month study in mice at oral dosage levels of up to 30 mg/kg/day showed no evidence of carcinogenicity. There was also no mutagenic response in vitro or in vivo in mammalian cell assays or in vitro in bacte ria. No evidence of impaired fertility was observed in a study performed in male and female rats at oral dosages of up to 100 mg/kg/day.

Pregnancy.

Reproduction studies have been conducted in mice, rats, and rabbits Administration of doses ranging from five to ten times greater (on a mg/kg basis) than the daily recommended therapeutic dose has resulted in embryo and fetal lethality. These doses, in some studies, have been reported to cause skeletal abnormalities. In the perinatal/postnatal studies, there was an increased incidence of stillbirths at doses of 20 times the human dose or greater

There are no well-controlled studies in pregnant women; therefore, use CARDIZEM in pregnant women only if the potential benefit justifies the potential risk to the fetus.

Nursing Mothers. Dilitiazem is excreted in human milk. One report suggests that concentrations in breast milk may approximate serum levels. If use of CARDIZEM is deemed essential, an alternative method of infant feeding should be instituted.

Pediatric Use: Safety and effectiveness in children have not been established.

ADVERSE REACTIONS

Serious adverse reactions have been rare in studies carried out to date, but it should be recognized that patients with impaired ventricular function and cardiac conduction abnormalities have usually been excluded from these studies.

The following table presents the most common adverse reactions reported in placebo-controlled angina and hypertension trials in patients receiving CARDIZEM CD up to 360 mg with rates in placebo patients shown for comparison

Adverse Reaction	CARDIZEM CD N=607	Placebo N=301
Headache	5.4%	5.0%
Dizziness	3.0%	3.0%
Bradycardia	3.3%	1.3%
AV Block First Degree	3.3%	0.0%
Ederna	2.6%	1.3%
ECG Abnormality	1.6%	2.3%
Asthenia	1.8%	1.7%

In clinical trials of CARDIZEM CD Capsules, CARDIZEM Tablets, and CARDIZEM SR Capsules involving over 3200 patients, the most common events (ie, greater than 1%) were edema (4.6%), headache (4.6%), dizziness (3.5%), asthenia (2.6%), first-degree AV block (2.4%), bradycardia (1.7%), flushing (1.4%), nausea (1.4%), and rash (1.2%).

In addition, the following events were reported infrequently (less than 1%) in angina or hyperten-

Cardiovascular. Angina, arrhythmia, AV block (second- or third-degree), bundle branch block, congestive heart failure, ECG abnormalities, hypotension, palpitations, syncope, tachycardia, ventricular extrasystoles

Nervous System: Abnormal dreams, amnesia, depression, gait abnormality, hallucina-tions, insomnia nervousness, paresthesia, personality change, somnolence, tinnibus, tremor Gastrointestinal: Anorexia, constipation, diarrhea, dry mouth, dysgeusia, dyspepsia, mild elevations of SGOT, SGPT, LDH, and alkaline phosphatase (see hepatic warnings), thirst, vomiting, weight increase

Dermatological Petechiae, photosensitivity, pruritus, urticaria
Other Amblyopia, CPK increase, dyspnea, epistaxis, eye irritation, hyperglycemia, hyperuricemia, impotence, muscle cramps, nasal congestion, nocturia, osteoarticular pain, polyuria, sexual difficulties

The following postmarketing events have been reported infrequently in patients receiving CARDIZEM: alopecia, erythema multiforme, exfoliative dermatitis, extrapyramidal symptoms, gingival hyperplasia, hemolytic anemia, increased bleeding filme, leukopenia, purpura, * retinopathy, and thrombocytopenia. In addition, events such as myocardial infarction have been observed which are not readily distinguishable from the natural history of the disease in these patients. A number of well-documented cases of generalized rash, characterized as leukocytoclastic vasculitis, have been reported.

However, a definitive cause and effect relationship between these events and CARDIZEM therapy is yet to be established.

Prescribing Information as of October 1992 (2)

Marion Merrell Dow Inc Kansas City, MO 64114

ccdb1092(2)a

References: 1. Data on file, Marion Merrell Dow Inc. 2. Massie BM, Der E. Herman TS, Topolski P, Park GD, Stewart WH. Clin Cardiol. 1992:15:365-368



Available as Once-A-Day

120-mg capsules



capsule daily



The First in a New Chemical Class of Non-benzodiazepine Z Z Z Sleep Agents



- AMBIEN—an imidazopyridine, chemically unrelated to benzodiazepines or any other sleep agent
- AMBIEN—indicated for short-term management of insomnia (generally limited to 7 to 10 days)
- A low incidence of adverse events

In short-term treatment (up to 10 nights) with AMBIEN at doses \leq 10 mg, the adverse events seen at statistically significant differences from placebo were: drowsiness (2%), dizziness (1%), and diarrhea (1%); and in longer-term treatment (28 to 35 nights): dizziness (5%) and drugged feelings (3%).

- Extensive clinical experience—over 500 million doses prescribed throughout Europe¹
- Generally preserves normal sleep physiology (clinical significance unknown)
- A short half-life mean 2.5 hours, with no active metabolites

1. Data on file.

Please see adjacent page for brief summary of prescribing information.

(zolpidem tartrate)

BRIEF SUMMARY

INDICATIONS AND USAGE

Ambien (zolpidem tartrate) is indicated for the short-term treatment of insomnia. Hypnotics should generally be limited to 7 to 10 days of use, and reevaluation of the patient is recommended if they are to be taken for more than 2 to 3

Ambien should not be prescribed in quantities exceeding a 1-month supply

CONTRAINDICATIONS

WARNINGS

Since sleep disturbances may be the presenting manifestation of a physical and/or psychiatric disorder, symptomatic treatment of insommia should be initiated only after a careful evaluation of the patient. The failure of insommia to remit after 7 to 10 days of treatment may indicate the presence of a primary psychiatric and/or medical illness which should be evaluated. Worsening of insomnia or the emergence of new thinking or behavior abnormalities may be the consequence of an unrecognized psychiatric or physical disorder. Such findings have emerged during the course of treatment with sedative/hypnotic drugs, including Ambien. Because some of the important adverse effects of Ambien appear to be dose related (see Precautions and Dosage and Administration), it is important to use the smallest possible effective dose, especially in the elderly.

A variety of abnormal thinking and behavior change have been especially. Since sleep disturbances may be the presenting manifestation of a physica

Ambien appear to be dose related user recourtors and busage and naturalization), it is important to use the smallest possible effective dose, especially in the elderly. A variety of abnormal thinking and behavior changes have been reported to occur in association with the use of sedative/hypnotics. Some of these changes may be characterized by decreased inhibition (eg. aggressiveness and extrosion that seemed out of character), similar to effects produced by alcohol and other ONS depressants. Other reported behavioral changes have included bizarre behavior, agitation, hallochations, and depersonalization. Amnesia and other neuropsychiatric symptoms may occur unpredictably. In primarily depressed patients, worsening of depression, including suicidal thinking, has been reported in association with the use of sedative/hypnotics. It can rarely be determined with certainty whether a particular instance of the abnormal behaviors listed above are drug induced, spontaneous in origin, or a result of an underlying psychiatric or physical disorder. Nontheless, the emergence of any new behavioral sign or symptom of concern requires careful and immediate evaluation. Following the rapid dose decrease or abrupt discontinuation of sedative/hypnotics, there have been reports of signs and symptoms similar to those associated with withdrawal from other CNS-depressant drugs (see *Drug Abuse and Dependence*).

and Dependence).

Ambien, like other sedative/hypnotic drugs, has CNS-depressant effects.
Due to the rapid onset of action, Ambien should only be ingested immediately
prior to going to bed. Patients should be cautioned against engaging in
hazardous occupations requiring complete mental alertness or motor coordination such as operating machinery or driving a motor vehicle after ingesting
the drug, including potential impairment of the performance of such activities
that may occur the day following ingestion of Ambien. Ambien showed additive
effects when combined with alcohol and should not be taken with alcohol.
Patients should also be cautioned about possible combined effects with other
CNS-depressard drugs. Dosage adjustments may be necessary when Ambien
is administered with such agents because of the potentially additive effects.

PERCALITIONS

PRECAUTIONS

tise in the elderly and/or debilitated patients: Impaired motor and/or cognitive ose in the electry and the transcent patents. Investigation to the control to cognitive performance after repeated exposure or unusual sensitivity to sedative /hyphotic drugs is a concern in the treatment of elderly and/or debilitated patients. Therefore, the recommended Ambien dosage is 5 mg in such patients (see Dosage and Administration) to decrease the possibility of side effects. These patients should be closely monitored.

patients should be closely monitored. Use in patients with concomitant Illness: Clinical experience with Ambien in patients with concomitant systemic illness is limited. Caution is advisable in using Ambien in patients with diseases or conditions that could affect metabolism or hemodynamic responses. Although preliminary studies did not reveal respiratory depressant effects at hypnotic doses of Ambien in normals, precautions should be observed if Ambien is prescribed to patients with compromised respiratory function, since sedative/hypnotics have the capacity to depress respiratory drive. Data in end-stage renal failure patients repeatedly treated with Ambien did not demonstrate drug accumulation or alterations in pharmacokinetic parameters. No dosage adjustment in renalty impaired patients is required, however, these patients should be closely monitored (see Pharmacokinetics). A study in subjects with hepatic impairment did reveal prolonged

is required; however, these patients should be closely monitored (see Pharmacokinetics). A study in subjects with hepatic impariment did reveal protoged elimination in this group; therefore, treatment should be initiated with 5 mg in patients with hepatic compromise; and they should be closely monitored. Use in depression: As with other sedative/hypnotic drugs, Ambien should be administered with caution to patients exhibiting signs or symptoms of depression. Suicidal tendencies may be present in such patients and protective measures may be required. Intentional overdosage is more common in this group of patients; therefore, the least amount of drug that is feasible should be prescribed for the patient at any one time.

Information for patients: Patient information is printed in the complete prescribing information and is available in pads for distribution to patients.

Laboratory tests: There are no specific laboratory tests recommended Orug interactions

Drug interactions
CNS-active drugs: Ambien was evaluated in healthy volunteers in single-dose interaction studies for several CNS drugs. A study involving haloperidol and zolpidem revealed no effect of haloperidol and the pharmacokinetics or pharmacokinetics or combination with zolpidem produced no inparmacokinetic interaction other than a 20% decrease in peak levels of imparatine but there was an additive effect of decreased alertness. Similarly, chlopromazine in combination with zolpidem produced no pharmacokinetic interaction, but there was an additive effect of decreased alertness and psychomotor performance. The lack of a drug interaction following single-dose administration does not predict a lack following chronic administration. An additive effect on psychomotor performance between alcohol and zolpidem was demonstrated.

An additive effect on psychomotor performance between alcohological states and support and

with CNS-depressant effects of colopidem.

Other drugs: A study involving cimetidine/zolpidem and ranitidine/zolpidem combinations revealed no effect of either drug on the pharmacokynamics of zolpidem zolpidem had no effect on digoxin kinetics and did not affect prothrombin time when given with warfarn in normal subjects. Zolpidem's sedative/hypnotic effect was reversed by flumazeni; however, no significant alterations in zolpidem pharmacokinetics were found.

Drug/Laboratory test interactions: Zolpidem is not known to interfere with commonly employed clinical laboratory tests.

Carcinogenesis: Zolpidem was administered to rats and mice for 2 years at dietary dosages of 4, 18, and 80 mg/kg/day, 1 mice, these doses are 26 to 520 times or 2 to 35 times the maximum 10-mg human dose on a mg/kg or mg/m² basis, respectively. In rats these doses are 43 to 876 times or 6 to 15 times the maximum 10-mg human dose on a mg/kg or mg/m² basis, respectively. No evidence of carcinogenic potential was observed in mice. Renal lipoxarcomas were seen in 4/100 rats (3 males. 1 female) receiving 80 mg/kg/day and a renal lipoma was observed in one male rat at the 18 mg/kg/day dose. Incidence rates of lipoma and liposarcoma for zolpidem were

comparable to those seen in historical controls and the tumor findings are thought to be a spontaneous occurrence

Mutagenesis: Zolpidem did not have mutagenic activity in several tests including mulagenesss: zolphoein did not have indiagenic activity in several tests incloung the Ames test, genotoxicity in mouse lymphoma cells in vitro, chromosomal aberrations in cultured human lymphocytes, unscheduled DNA synthesis in rat hepatocytes in vitro, and the micronucleus test in mice.

Impairment of fertility: In a rat reproduction study, the high dose (100 mg haser/kg) of zolpidem resulted in irregular estrus cycles and prolonged precoltal intervals, but there was no effect on male or female fertility after daily oral coses of 4 to 100 mg baser/kg or 5 to 130 times the recommended human dose in mg/m². No effects on any other fertility parameters were noted.

Category B. Studies to assess the effects of zolpidem on human reproduction and development have not been conducted. Teratology studies were conducted in rats and rabbits. In rats, adverse maternal and fetal effects occurred at 20 and 100 mg base/

kg and included dose-related maternal lethargy and alaxa and a dose-related trend to incomplete ossification of fetal skull bone. In about 1,000 per lethargy and alaxa and a dose-related trend to incomplete ossification of fetal skull bone in rabbits, dose-related maternal sedation and decreased weight gain occurred at all doses tested. At the high dose, 16 mg base-fly, there was an increase in postimplantation fetal loss and underossification of stemebrae in viable

This drug should be used during pregnancy only if clearly needed

Nonlaratogenic effects: Studies to assess the effects on children whose mothers took zolpidem during pregnancy have not been conducted. However, children born of mothers taking sedative/hypnotic drugs may be at some risk for withdrawal symptoms from the drug during the postnatal period. In addition, neonatal flaccidity has been reported in infants born of mothers who received details the processors. sedative/hypnotic drugs during pregnancy.

Section 2. Cabor and delivery: Ambien has no established use in labor and delivery.

Nursing mothers: Studies in lactating mothers indicate that between 0.004 and 0.019% of the total administered dose is excreted into milk, but the effect of zolpidem on the infant is unknown.

The use of Ambien in nursing mothers is not recommended.

Safety and effectiveness in children below the age of 18 have not been

ADVERSE REACTIONS

ADVERSE REACTIONS

Associated with discontinuation of treatment: Approximately 4% of 1,701 patients who received zolpidem at all doses (1.25 to 90 mg) in U.S. premarketing clinical trials discontinued treatment because of an adverse clinical event. Events most commonly associated with discontinuation from U.S. trials were daytime drowsiness (0.5%), dizziness (0.4%), headache (0.5%), nausea (0.6%), adventing of 10.5%.

daytime drowsiness (0.5%), dizziness (0.4%), neadacne (0.5%), nausea (0.5%), and vomiting (0.5%).

Approximately 6% of 1,320 patients who received zolpidem at all doses (5 to 50 mg) in similar foreign trials discontinued treatment because of an adverse event. Events most commonly associated with discontinuation from these trials were daytime drowsiness (1.6%), amnesia (0.6%), dizziness (0.6%), headache

(0.6%), and nausea (0.6%).
Incidence in controlled clinical trials

Most cammonly observed adverse events in controlled trials: During short-term treatment (up to 10 nights) with Ambien at doses up to 10 mg, the most commonly observed adverse events associated with the use of zolpidem and commonly observed adverse events associated with the use of zolpidem and seen at statistically significant differences from placebo-treated patients were drowsiness (reported by 2% of zolpidem patients), dizziness (1%), and diarrhea (1%). During longe-term treatment (28 to 35 nights) with zolpidem at dosse up to 10 mg, the most commonly observed adverse events associated with the use of zolpidem and seen at statistically significant differences from placebo-treated patients were dizziness (5%) and drugged feelings (3%).

Incidence of Treatment-Emergent Adverse Experiences in Short-term Placebo-Controlled Clinical Trials (Percentage of patients reporting)

Body System/ Adverse Event*	Zolpidem (≤10 mg) (N=685)	Placebo (N=473)
Central and Peripheral Nervous System		
Headache	. 7	6
Drowsiness	2	-
Dizziness	1	-
Gastrointestinal System		
Nausea	2	3
Diarrhea	1	-
Musculoskeletal System		
Myalgía	1	2

*Events reported by at least 1% of Ambien patients are included

Incidence of Treatment-Emergent Adverse Experient Long-term Placebo-Controlled Clinical Trials (Percentage of patients reporting)

Body System/ Adverse Event*	Zolpidem (≤10 mg) (N=152)	Placebo (N=161)
Autonomic Nervous System		
Dry mouth	3	1
Body as a Whole		
Allergy	4	1
Back pain	3 2 1	2
Influenza-like symptoms	2	-
Chest pain	1	-
Fatigue	1	2
Cardiovascular System		
Palpitation	2	-
Central and Peripheral Nervous System		
Headache	19	22
Drowsiness	8	5
Dizziness	8 5 3 2 2 1 1 1	5 1 1
Lethargy	3	1
Drugged feeling	3	-
Lightheadedness	2	1
Depression	2	1
Abnormal dreams	1	-
Amnesia	1	-
Anxiety	1	1
Nervousness	1	3
Sleep disorder	1	+
Gastrointestinal System		
Nausea	6	6
Dyspepsia	5	6
Diarrhea	3	2
Abdominal pain	6 5 3 2 2	6 2 2 1
Constipation	2	1
Anorexia		1
Vomiting	1	1
Immunologic System		
Infection	1	1

Incidence of Treatment-Emergent Adverse Experiences in Long-term Placebo-Controlled Clinical Trials (Cont'd) (Percentage of patients reporting)

Body System/ Adverse Event*	Zolpidem (≤10 mg) (N=152)	Placebo (N=161)
Musculoskeletal System		
Myalgia	7	7
Arthralgia	4	4
Respiratory System		
Upper respiratory infection	5	6
Sinusitis	4	2
Pharyngitis	3	1
Rhinitis	1	3
Skin and Appendages		
Rash	2	1
Urogenital System	_	
Urinary tract infection	2	2

*Events reported by at least 1% of patients treated with Ambien

There is evidence from dose comparison trials suggesting a dose relationship for many of the adverse events associated with zolpidem use, particularly for certain CNS and gastrointestinal adverse events.

Adverse events are further classified and enumerated in order of decreasing

frequency using the following definitions: frequent adverse events are defined as those occurring in greater than 1/100 subjects; infrequent adverse events are are those occurring in 1/100 to 1/1,000 patients; rare events are those occurring in less than 1/1,000 patients.

occurring in less than 1/1,000 patients

Frequent abdominal pain, amnesis, ataxia, confusion, depression, diarrhea, diplopia, dizziness, dreaming abnormal, drowsiness, drugged feeling, dry mouth, dysepesia, euphoria, tatigue, headache, insomnia, lethargy, lightheadedness, myaliga, nausea, upper respiratory infection, vertigo, vision abnormal, vominia, Infrequent: agitation, allergy, anorexia, anxiety, arthralgia, arthritis, asthenia, back pain, bronchilis, cerebrovascular disorder, chest pain, constipation, coughing, cystitis, decreased cognition, detached, difficulty concentrating, dysarthria, dyspangia, dysopana, edema emotional lability, eye irritation, falling, fever, flatulence, gastroenteritis, hallucination, hiccup, hyperglycemia, hypertension, hypoasshessa, infection, influenza-like symptoms, malaise, menstual disorder, ingraine, nervousness, pain, paiptation, paresthesia, pharyngitis, postural hypotension, pruntus, rash, rhinitis, scleritis, SGPT increased, simustis, sleep disorder, sleeping (after daylime dosing), stupor, sweating increased, tachycardia, taste perversion, tinnitus, tooth disorder, trauma, tremor, urinary incontinence, urinary tract infection, vaginitis.

ula, taste pervension, infinitis, toolin disorder, italiama, tremoi, unimary incontine-ence, urinary tract infection, vaginitis.

Rare: abdominal body sensation, abscess, acne, acute renal failure, aggressive reaction, allergic reaction, allergy aggravated, anaphylactic shock, anemia, appetite increased arrhythmic, arteritis, arthrosis, bilinubiermia, breast fibroad-enosis, breast neoplasm, breast pain female, bronchospasm, bullous eruption, appetie incleased in infiniting, at institus, attribusts, or indicate incleases indual enosis, breast neoplasm, breast pain fernale, bronchospasm, bullous eruption, BUN increased, circulatory failure, conneal ucleration, delusion, dementia, depersonalization, dermattias, dysphasia dysuria, edema penorbata, entertits, epistaxis, eructation, esophagospasm, ESR increased, extrasystoles, eye pain, tace edema, teeling strange, flushing, furunculosis, gastrifits, glaucoma, gout, hemorrhoids, hepatic function abnormal, herpes simplex, herpes zoster, hot lashes, hyperchoelssterenia, hyperthemogloniermia, hypertipidemia, hypertension aggravated, hypotension, hypotonia, hypoxia, hysteria, illusion, impotence, injection site inflammation, intestinal obstruction, intoxicated feeling, lacrimation abnormal, laryngitis, leg cramps, leukopenia, libido decreased, lymphadenopathy, macrocytic anemia, manic reaction, micrutinol frequency, muscle weakness, myocardial infarction, neuralgia, neuritis, neuropathy, neurosis, otitis externa, otitis media, pain, panic attack, paresis, personalty disorder, phieblitis, photopsia, photosenstitivity reaction, pneumonia, polyuria, pulmonary embolism, purpura, pyelenephritis, rectal hemorrhage, renal pain, restless legs, rigors, saliva altered, scialica, SGOT increased, somnambulism, sucided attemot, synope, tendinitis tenesmus, tetany, thinking ahormal, thirst, tolerance increased, tooth caries, urinary retention, urticaria, varioose veins, ventricular tachycardia, weight decrease, yawning.

DRUG ABUSE AND DEPENBENCE

behalter included in John Carlos (with a work) returned in the controlled substance: Schedule IV.

Abuse and dependence: Studies of abuse potential in former drug abusers found that the effects of single doses of zolpidem tartrate 40 mg were similar, but not identical, to diazepam 20 mg, while zolpidem tartrate 10 mg was difficult to distinguish from placebo.

Sedative/hypnotics have produced withdrawal signs and symptoms following abrupt discontinuation. These reported symptoms range from millid dysphoria and insomnia to a withdrawal syndrome that may include abdominal and muscle cramps, vomiting, sweating, tremors, and convulsions. The U.S. clinical raid experience from zolpidem does not reveal any clear evidence for withdrawal syndrome. Nevertheless, the following adverse events included in DSM-III-R criteria for uncomplicated sedative/hypnotic withdrawal were reported at an incidence of ≤1% during U.S. clinical trials following placebo substitution occurring within 48 hours following last zolpidem treatment: fatigue, nausea, flushing, lightheadedness, uncontrolled crying, emesis, stomach cramps, panic attack, nervousness, and abdominal discomfort.

Individuals with a history of addiction to, or abuse of, drugs or alcohol are at risk of habituation and dependence; they should be under careful surveillance

OVERDOSAGE

Signs and symptoms: In European postmarketing reports of overdose with zolgidem alone, impairment of consciousness has ranged from somnolence to light coma, with one case each of cardiovascular and respiratory compromise. Individuals have fully recovered from zolpidem tarrate overdoses up to 400 mg (40 times the maximum recommended dose). Overdose cases involving multiple CNS-depressant agents, including zolpidem, have resulted in more severe symptomatology, including fatal outcomes. Recommended treatment. General symptomatic and supportive measures should be used along with immediate gastric lavage where appropriate. Intravenous fluids should be darministered as needed. Flumarenil may be usuall. Respiration, pulse, blood pressure, and other appropriate signs should be monitored and general supportive measures employed. Sedating drugs should be withheld following zolpidem overdosage. Zolpidem is not dialyzable. The possibility of multiple drug ingestion should be considered. Caution: Federal law prohibits dispensing without prescription.

Caution: Federal law prohibits dispensing without prescription.

Manufactured and distributed by G.D. Searle & Co. Chicago, IL 60680 by agreement with Lorex Pharmaceuticals Skokie. IL

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5/27/93

Handle with care.

The value of treating hypertension in older patients has been clearly established.* Today, the prevalence of hypertension in people over 60 is greater than 60%.²

Often, PLENDIL represents a good choice for older patients with hypertension.

With a simple once-daily dosage regimen, PLENDIL provides a gradual onset of action with continuous 24-hour control. Generally, PLENDIL is well tolerated when administered in recommended doses.

Usual dosage range is 5 mg to 10 mg daily. But, patients over 65 may have elevated plasma concentrations of felodipine, and may therefore respond to lower doses of PLENDIL.

PLENDIL. A considerate choice for patients who deserve "special handling."

- *The ability of calcium channel blockers to reduce morbidity or mortality has not been established.
- Patients over 65, and those with impaired liver function, should have their blood pressure monitored closely during adjustment of PLENDIL and should rarely require closes above 10 mg. (See CLINICAL PHARMACOLOGY and DOSAGE AND ADMINISTRATION in the Prescribing Information.)
- Peripheral edema, generally mild, is the most common adverse experience. PLENDIL is contraindicated in patients who are hypersensitive to this product.



Plendil

(felodipine) Tablets, 5 mg, 10 mg

Because you consider the whole patient.

Please see brief summary of Prescribing Information on page following next page.



References

- The Fifth Report of the Joint National Committee on Detection, Evaluation, and Treatment of High Blood Pressure. Bethesda, MD: National Heart, Lung, and Blood Institute: 1993. NIH Publication No. 93-1088.
- Derived from NHANES III, unpublished data, provided by the Centers for Disease Control, National Center for Health Statistics, as reported in The Fifth Report of the Joint National Committee on Detection, Evaluation and Treatment of High Blood Pressure.

BRIEF SUMMARY

TABLETS
PLENDIL®
(FELODIPINE)
EXTENDED, DELEAS

EXTENDED-RELEASE TABLETS

INDICATIONS AND USAGE

PLENDIL* is indicated for the treatment of hypertension. PLENDIL may be used alone or concomitantly with other antihypertensive agents.

CONTRAINDICATIONS

PLENDIL is contraindicated in patients who are hypersensitive to this product.

PRECAUTIONS

General

Hypotension: Felodipine, like other calcium antagonists, may occasionally precipitate significant hypotension and rarely syncope. It may lead to reflex tachycardia which in susceptible individuals may precipitate angina pectoris. (See ADVERSE REACTIONS.)

Heart Failure: Although acute hemodynamic studies in a small number of patients with NYHA Class II or III heart failure treated with felodipine have not demonstrated negative inotropic effects, safety in patients with heart failure has not been established. Caution therefore should be exercised when using PLENDII. in patients with heart failure or compromised ventricular function, particularly in combination with a beta blocker.

Elderly Patients or Patients with Impaired Liver Function: Patients over 65 years of age or patients with impaired liver function may have elevated plasma concentrations of felodipine and may therefore respond to lower doses of PLENDIL. These patients should have their blood pressure monitored closely during dosage adjustment of PLENDIL and should rarely require doses above 10 mg. (See CLINICAL PHARMACOLOGY and DOSAGE AND ADMINISTRATION sections of complete Prescribing Information.)

Peripheral Edema: Peripheral edema, generally mild and not associated with generalized fluid retention, was the most common adverse event in the clinical trials. The incidence of peripheral edema was both dose- and age-dependent. Frequency of peripheral edema ranged from about 10 percent in patients under 50 years of age taking 5 mg daily to about 30 percent in those over 60 years of age taking 20 mg daily. This adverse effect generally occurs within 2-3 weeks of the initiation of treatment.

. Information for Patients

Patients should be instructed to take PLENDIL whole and not to crush or chew the tablets. They should be told that mild gingival hyperplasia (gum swelling) has been reported. Good dental hygiene decreases its incidence and severity.

NOTE: As with many other drugs, certain advice to patients being treated with PLENDIL is warranted. This information is intended to aid in the safe and effective use of this medication. It is not a disclosure of all possible adverse or intended effects.

Drug Interactions

Beta-Blocking Agents: A pharmacokinetic study of felodipine in conjunction with metoprolol demonstrated no significant effects on the pharmacokinetics of felodipine. The AUC and C_{max} of metoprolol, however, were increased approximately 31 and 38 percent, respectively. In controlled clinical trials, however, beta blockers including metoprolol were concurrently administered with felodipine and were well tolerated.

Cimetidine: In healthy subjects pharmacokinetic studies showed an approximately 50 percent increase in the area under the plasma concentration time curve (AUC) as well as the C_{max} of felodipine when given concomitantly with cimetidine. It is anticipated that a clinically significant interaction may occur in some hypertensive patients. Therefore, it is recommended that low doses of PLENDIL be used when given concomitantly with cimetidine.

Digoxin: When given concomitantly with felodipine the peak plasma concentration of digoxin was significantly increased. There was, however, no significant change in the AUC of digoxin.

Anticonvulsants: In a pharmacokinetic study, maximum plasma concentrations of felodipine were considerably lower in epileptic patients on long-term anticonvulsant therapy (e.g., phenytoin, carbamazepine, or phenobarbital) than in healthy volunteers. In such patients, the mean area under the felodipine plasma concentration-time curve was also reduced to approximately six percent of that observed in healthy volunteers. Since a clinically significant interaction may be anticipated, alternative antihypertensive therapy should be considered in these patients.

Other Concomitant Therapy: In healthy subjects there were no clinically significant interactions when felodipine was given concomitantly with indomethacin or spironolactone.

Interaction with Food: See CLINICAL PHARMACOLOGY, Pharmacokinetics and Metabolism section of complete Prescribing Information.

Carcinogenesis, Mutagenesis, Impairment of Fertility

In a two-year carcinogenicity study in rats fed felodipine at doses of 7.7, 23.1 or 69.3 mg/kg/day (up to 28 times' the maximum recommended human dose on a mg/m' basis), a dose related increase in the incidence of benign interstitial cell tumors of the testes (Leydig cell tumors) was observed in treated male rats. These tumors were not observed in a similar study in mice at doses up to 138.6 mg/kg/day (28 times' the maximum recommended human dose on a mg/m' basis). Felodipine, at the doses employed in the two-year rat study, has been shown to lower testicular testosterone and to produce a corresponding increase in serum luteinizing formone in rats. The Leydig cell tumor development is possibly secondary to these hormonal effects which have not been observed in man.

In this same rat study a dose-related increase in the incidence of focal

esophageal groove of male and female rats in all dose groups. No other drug-related esophageal or gastric pathology was observed in the rats or with chronic administration in mice and dogs. The latter species, like man, has no anatomical structure comparable to the esophageal groove.

Felodipine was not carcinogenic when fed to mice at doses of up to 138.6

squamous cell hyperplasia compared to control was observed in the

Felodipine was not carcinogenic when fed to mice at doses of up to 138.6 mg/kg/day (28 times' the maximum recommended human dose on a mg/m² basis) for periods of up to 80 weeks in males and 99 weeks in females.

Felodipine did not display any mutagenic activity *in vitro* in the Ames microbial mutagenicity test or in the mouse lymphoma forward mutation assay. No dastogenic potential was seen *in vivo* in the mouse micronucle-us test at oral doses up to 2500 mg/kg (506 times) the maximum recommended human dose on a mg/m² basis) or *in vitro* in a human lymphocyte chromosome aberration assay.

A fertility study in which male and female rats were administered doses of 3.8, 9.6 or 26.9 mg/kg/day showed no significant effect of felodipine on reproductive performance.

Pregnancy

Pregnancy Category C

Teratogenic Effects: Studies in pregnant rabbits administered doses of 0.46, 1.2, 2.3 and 4.6 mg/kg/day (from 0.4 to 4 times' the maximum recommended human dose on a mg/m' basis) showed digital anomalies consisting of reduction in size and degree of ossification of the terminal phalanges in the fetuses. The frequency and severity of the changes appeared dose-related and were noted even at the lowest dose. These changes have been shown to occur with other members of the dihydropyridine class and are possibly a result of compromised uterine blood flow. Similar fetal anomalies were not observed in rats given felodipine.

In a teratology study in cynomolgus monkeys no reduction in the size of the terminal phalanges was observed but an abnormal position of the distal phalanges was noted in about 40 percent of the fetuses.

Nonteratogenic Effects: A prolongation of parturition with difficult labor and an increased frequency of fetal and early postnatal deaths were observed in rats administered doses of 9.6 mg/kg/day (4 times' the maximum human dose on a mg/m² basis) and above.

Significant enlargement of the mammary glands in excess of the normal enlargement for pregnant rabbits was found with doses greater than or equal to 1.2 mg/kg/day (equal to the maximum human dose on a mg/m² basis). This effect occurred only in pregnant rabbits and regressed during lactation. Similar changes in the mammary glands were not observed in rats or monkeys.

There are no adequate and well-controlled studies in pregnant women. If felodipine is used during pregnancy, or if the patient becomes pregnant while taking this drug, she should be apprised of the potential hazard to the fetus, possible digital anomalies of the infant, and the potential effects of felodipine on labor and delivery, and on the mammary glands of pregnant females.

Nursing Mothers

It is not known whether this drug is secreted in human milk and because of the potential for serious adverse reactions from felodipine in the infant, a decision should be made whether to discontinue nursing or to discontinue the drug, taking into account the importance of the drug to the mother.

Politatric lise

Safety and effectiveness in children have not been established

ADVERSE REACTIONS

In controlled studies in the United States and overseas approximately 3000 patients were treated with felodipine as either the extended-release or the immediate-release formulation.

The most common clinical adverse experiences reported with PLENDIL® (Felodipine) administered as monotherapy in all settings and with all dosage forms of felodipine were peripheral edema and headache. Peripheral edema was generally mild, but it was age- and dose-related and resulted in discontinuation of therapy in about 4 percent of the enrolled patients. Discontinuation of therapy due to any clinical adverse experience occurred in about 9 percent of the patients receiving PLENDIL, principally for peripheral edema, headache, or flushing.

Adverse experiences that occurred with an incidence of 1.5 percent or greater during monotherapy with PLENDIL without regard to causality are compared to placebo in the table below.

Percent of Patients with Adverse Effects in Controlled Trials of PLENDIL as Monotherapy (incidence of discontinuations shown in parentheses)

Adverse Effect	PLENDIL% N = 730		Placebo % N = 283
Peripheral Edema	22.3	(4.2)	3.5
Headache	18.6	(2.1)	10.6
Flushing	6.4	(1.0)	1.1
Dizziness	5.8	(8.0)	3.2
Upper Respiratory			
Infection	5.5	(0.1)	1.1
Asthenia	4.7	(0.1)	2.8
Cough	2.9	(0.0)	0.4
Paresthesia	2.5	(0.1)	1.8
Dyspepsia	2.3	(0.0)	1.4
Chest Pain	2.1	(0.1)	1.4
Nausea	1.9	(0.8)	1.1
Muscle Cramps	1.9	(0.0)	1.1
Palpitation	1.8	(0.5)	2.5
Abdominal Pain	1.8	(0.3)	1.1
Constipation	1.6	(0.1)	1.1
Diarrhea	1.6	(0.1)	1.1
Pharyngitis	1.6	(0.0)	0.4
Rhinorrhea	1.6	(0.0)	0.0
Back Pain	1.6	(0.0)	1.1
Rash	1.5	(0.1)	1.1

In the two dose response studies using PLENDIL as monotherapy, the following table describes the incidence (percent) of adverse experiences that were dose-related. The incidence of discontinuations due to these adverse experiences are shown in parentheses.

Adverse Effect	Placebo N = 121	2.5 mg N = 71	5.0 mg N = 72	10.0 mg N = 123	20 mg N = 50
Peripheral					
Edema	2.5 (1.6)	1.4 (0.0)	13.9 (2.8)	19.5 (2.4)	36.0 (10.0)
Palpitation	0.8 (0.8)	1.4 (0.0)	0.0 (0.0)	2.4 (0.8)	12.0 (8.0)
Headache	12.4 (0.0)	11.3 (1.4)	11.1 (0.0)	18.7 (4.1)	28.0 (18.0)
Flushing	0.0 (0.0)	4.2 (0.0)	2.8 (0.0)	8.1 (0.8)	20.0 (8.0)

In addition, adverse experiences that occurred in 0.5 up to 1.5 percent of patients who received PLENDIL® (Felodipine) in all controlled chinical studies (listed in order of decreasing severity within each category) and serious adverse events that occurred at a lower rate or were found during marketing experience (those lower rate events are in italics) were. Body as a Whole: Facial edema, warm sensation; Cardiovascular: Tachycardia, myocardial infarction, hypotension, syncope, angina pectoris, arrhythmia, Digestive: Vomiting, dry mouth, flatulence; Hematologic: Anemia; Musculoskeletal: Arthralgia, arm pain, knee pain, leg pain, foot pain, hip pain, myalgia: Nervous/Psychiatric: Depression, arviety disorders, insomnia, irritability, nervousness, somnolence; Respiratory: Bronchitis, influenza, sinustits, dyspnea, epistaxis, respiratory infection, sneezing; Skin: Contusion, erythema, urticaria; Urogenital: Decreased libido, impotence, urinary frequency, urinary urgency, dysuria.

Felodipine, as an immediate release formulation, has also been studied as monotherapy in 680 patients with hypertension in U.S. and overseas controlled clinical studies. Other adverse experiences not listed above and with an incidence of 0.5 percent or greater include. Body as a Whole: Fatigue, Digestive: Gastrointestinal pain; Musculoskeletal: Arthritis, local weakness, neck pain, shoulder pain, ankle pain; Nervous/Psychiatric: Tremor; Respiratoy: Rhinitis; Skin: Hyperhidrosis, pruritus; Special Senses: Blurred vision, tinnitus; Uragenital: Nocturia.

Gingival Hyperplasia: Gingival hyperplasia, usually mild, occurred in <0.5 percent of patients in controlled studies. This condition may be avoided or may regress with improved dental hygiene. (See PRECAUTIONS, Information for Patients.)

Clinical Laboratory Test Findings

Serum Electrolytés: No significant effects on serum electrolytes were observed during short- and long-term therapy.

Serum Glucose: No significant effects on fasting serum glucose were

Serum Glucose: No significant effects on fasting serum glucose were observed in patients treated with PLENDIL in the U.S. controlled study.

Liver Enzymes: One of two episodes of elevated serum transaminases decreased once drug was discontinued in clinical studies; no follow-up was available for the other patient.

OVERDOSAGE

Oral doses of 240 mg/kg and 264 mg/kg in male and female mice, respectively and 2390 mg/kg and 2250 mg/kg in male and female rats, respectively, caused significant lethality.

In a suicide attempt, one patient took 150 mg felodipine together with 15 tablets each of atenolol and spironolactone and 20 tablets of nitrazepam. The patient's blood pressure and heart rate were normal on admission to hospital; he subsequently recovered without significant sequelae.

Overdosage might be expected to cause excessive peripheral vasodilation with marked hypotension and possibly bradycardia.

If severe hypotension occurs, symptomatic treatment should be instituted. The patient should be placed supine with the legs elevated. The administration of intravenous fluids may be useful to treat hypotension due to overdosage with calcium antagonists. In case of accompanying bradycardia, atropine (0.5-1 mg) should be administered intravenously. Sympathomimetic drugs may also be given if the physician feels they are warranted.

It has not been established whether felodipine can be removed from the circulation by hemodialysis.

DOSAGE AND ADMINISTRATION

The recommended initial dose is 5 mg once a day. Therapy should be adjusted individually according to patient response, generally at intervals of not less than two weeks. The usual dosage range is 5-10 mg once daily. The maximum recommended daily dose is 20 mg once a day. That dose in clinical trials showed an increased blood pressure response but a large increase in the rate of peripheral edema and other vasodilatory adverse events (see ADVERSE REACTIONS). Modification of the recommended dosage is usually not required in patients with renal impairment.

PLENDIL should be swallowed whole and not crushed or chewed.

Use in the Elderly or Patients with Impaired Liver Function: Patients over 65 years of age or patients with impaired liver function, because they may develop higher plasma concentrations of felodipine, should have their blood pressure monitored closely during dosage adjustment (see PRECAUTIONS). In general, doses above 10 mg should not be considered in these patients.

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For more detailed information, consult your Astra/Merck Specialist or see complete Prescribing Information. Astra/Merck Group of Merck & Co., Inc. 725 Chesterbrook Boulevard, Wayne, PA 19087

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30mg, 60mg & 90mg

Real Value for Real People with Hypertension

Real Therapeutic Value

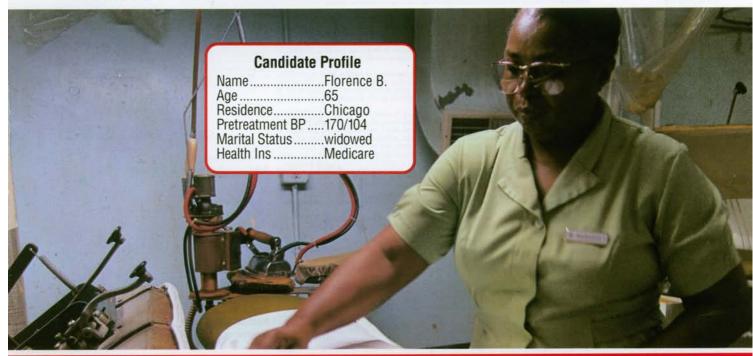
 The benefits of long-acting nifedipine therapy for hypertension*¹

Real Human Value

- · Convenient, well-tolerated therapy
- Peripheral edema and headache were the most common dose-related adverse events reported; flushing/heat sensation, dizziness, and fatigue/asthenia were all reported at an incidence of 4%

Real Economic Value

- Lower price (AWP) than Procardia XL® 30 mg, 60 mg and 90 mg—potential 25% savings⁺²
- *Not indicated for angina. Take on an empty stomach. Careful titration may be necessary when switching between Procardia XL* and Adalat* CC. Procardia XL is a registered trademark of Pfizer Labs Division, Pfizer Inc.
- †Calculations based on suggested Average Wholesale Price (AWP). Please see brief summary of Prescribing Information on back of this page.



"Save up to \$192 a year? That's Sunday clothes for the grandkids."

Once-A-Day



30mg, 60mg & 90mg

Start with*

Ŗ

30mg once daily

Titrate, if necessary*

Ιķ

Adalat CC 60mz once daily

*Please see DOSAGE AND ADMINISTRATION section in brief summary of Prescribing Information below.

BRIEF SUMMARY CONSULT PACKAGE INSERT FOR FULL PRESCRIBING INFORMATION For Oral Use

P7100744BS

INDICATION AND USAGE: ADALAT (C is indicated for the treatment of hypertension. It may be used alone or in combination with other antihypertensive agent CONTRAINDICATIONS: Known hypersensitivity to nifedipine.

CONTRAINDICATIONS: Known hypersensitivity to nifedipine.

WARNINGS: Excessive Hypotensien: Although in most polients the hypotensive effect of nifedipine is modest and well tolerated, occasional patients have had excessive and poorly tolerated hypotension. These responses have usually occurred during initial titration or at the time of subsequent upward dosage adjustment, and may be more likely in potients using concomition theto-blockers.

Severe hypotension and/or increased fluid volume requirements have been reported in patients who received immediate release capsules tagether with a beta-blocking agent and who underwent coronary orterly byposs surgery using high dose fentanyl anesthesia. The interaction with high dose fentanyl appears to be due to the combination of infedipine and a beta-blocker, but the possibility that it may occur with nifedipine alone, with low doses of fentanyl, in other surgical procedures, or with other narcotic analgesics cannot be ruled out. In infedipine-treated patients where surgery using high dose fentanyl anesthesia is contemplated, the physician should be aware of these potential problems and, if the patient's condition permits, sufficient time (at least 36 hours) should be considered in fine for infedipine to be washed out of the body prior to surgery.

the body prior to surgery.

Increased Angina and/or Myocardial

Interesses angine and/or myocardial Inferences. Inferences rearry, patients, particularly those who have severe obstructive coronary artery disease, have developed well documented increased frequency, duration and/or severity of angine or acute myocardial inferction upon starting nifedipine or at the time of dosage increase. The mechanism of this effect is not established.

Beta-Blocker Withdrawal: When discontinuing a beta-blocker it is important to

taper its dose, if possible, rather than stopping abruptly before beginning infedigine. Patients recently withdrawn from beta blackers may develop a withdrawal syndrome with increased anging, probably related to increased sensitivity to catecholomines. Initiation of nifedigine treatment will not prevent this occurrence and on occasion has en reported to increase it.

neen reporter to interester it.

Congestive Heart Failure: Rarely, patients (usually while receiving a beta-blocker) have developed heart failure after beginning infedigine. Patients with light aortic stensiss may be at greater risk for such an event, as the unloading effect of infedigine would be expected to be of less benefit to these patients, owing to their fixed impedance to

now actors ine unit varieve.

PRECAUTIONS: General - Hypotension: Because nifedipine decreases peripheral vascular resistance, careful monitoring of blood pressure during the initial administration and litration of ADALAT CC is suggested. Close observation is especially recommended for potents already taking medications that are known to lower blood pressure (See

WARNINGS).

Peripheral Edema: Mild to moderate peripheral edema occurs in a dose dependent monner with ADALAT CC. The placebo subtracted rate is approximately 8% at 30 mg, 12% at 60 mg and 19% at 90 mg daily. This edema is a localized phenomenon, thought to be associated with vasodilation of dependent rateriales and small blood vessels and not due to left ventricular dysfunction or generalized fluid retention. With patients whose hypertension is complicated by congestive heart failure, are should be taken to differentiate this peripheral edema from the effects of increasing left ventricular dysfunction. Information for Patients: ADALAT Ct. san extended release tablet and should be scallowed which and taken an an empty stamont. It should as the administered with

Information for Patients: ADALAT CC is an extended release tablet and should be swallowed whole and taken on an empty stamach. It should not be administered with food. Do not thew, divide or crush tablets.

Laboratory Tests: Rare, usually transient, but occasionally significant elevations of eazymes such os alkaline phosphotates, CPK, LDH, SGOT, and SGPT have been noted. The relationship to nifedipine therapy is uncertain in most cases, but probable in some. These laboratory abnormalities have rarely been associated with clinical symptoms; however, cholestosis with or without joundities have been reported. A small increase (<5%) in mean alkaline phosphotase was noted in potients treated with ADALAT CC This was an isolated finding and it rarely resulted in values which fell outside the normal range. Rare instances of allergic hepatitis have been reported with nifedipine treatment. In controlled stadies, ADALAT CC did not adversely affect serum unit acid, glucose, cholesterol or potassium. lesterol or potassium

lesteral or patasium. Mifedipine, like other calcium channel blockers, decreases platelet aggregation in vitro. Limited clinical studies have demonstrated a moderate but statistically significant decrease in platelet aggregation and increase in bleeding time in some nitedipine patients. This is thought to be a function of inhibition of calcium transport across the platelet membrane. No clinical significance for these findings has been demonstrated. Positive direct (aams): test with or without hemolytic anemia has been reported but a causal relationship between reliedipine administration and positivity of this laboratory test, including hemolysis, could not be determined.

Although nifedipine has been used safely in patients with renal dysfunction and has been reported to exert a beneficial effect in certain cases, rare reversible elevations in BUN and serum creatinine have been reported in patients with pre-existing chronic renal insufficiency. The relationship to nifedipine therapy is uncertain in most cases but probable in same.

probable in some.

Drug Interactions: Beta-adrening to including agents: (See WARNINGS).

ADALAT (C was well tolerated when administered in combination with a beta blocker in 187 hypertensive patients in a placebo controlled dinical trial. However, there have been accessional literature reports suggesting that the combination of indicipine and beta-adrenergic blocking drugs may increase the likelihood of congestive heart failure, severe hypotension, or exacerbation of angina in patients with cardiovascular disease. Digitalis: Since there have been isolated reports of patients with elevated digoxin levels, and there is a possible interaction between digoxin and ADALAT (C, it is recommended that digoxin levels be monitored when initiating, adjusting, and discontinuing ADALAT (C to avoid possible overs or under-digitalization. Coumarin Anticoagulants: There have been rare reports of increased prothrombin time in patients taking coumerin anticoagulants to whom infedigine was administered. However, the relationship to infedigine therapy is uncertain.

Quinidine: There have been rare reports of an interaction between quinidine and infedigine (with a decreased plasma level of quinidine).

Real People, Real Needs, Real Value

Body as a Whole/Systemic: thest poin, leg pain Central Nervous System: paresthesia, vertigo Dermatologic: rosh Gastrointestinal: canstipation Musculoskeletal: leg cramps Respiratory: epistaxis, rhinitis Urogenital: impotence, urinary frequency

Other adverse events reported with an incidence of less than 1.0% were

Cither odverse events reported with an incidence of less than 1.0% were:

Body as a Whole / Systemic; cellulitis, chills, facial edema, neck pain, pelvix pain, pain Cardiovascular; atriol fibrillation, bradycardia, cardiac arrest, extrasystole, hypotension, palpitations, phlebitis, postural hypotension, tachycardia, cutaneous angiectases Central Nervous System: anxiety, confusion, decreased libido, depression, hyportonia, insomnia, somnolence Dermatologic: pruritus, sweating Gastrointestinal: abdominal pain, diarrhea, dry mouth, dyspepsia, esophagitis, flatulence, gastrointestinal hemorrhage, vomiting Hematologic; tymphadenopathy Metabolic; agout, weight loss Musculoskeletal: arthralgia, arthritis, mylagia Respiratory: dyspnea, increased cough, roles, pharynqitis Special Senses: abnormal vision, amblyopia, carpiuntiviis, diplopia, innitus Urogenital/Reproductive: kidney calculus, nocturia, breast engargement

The following adverse events have been reported rorely in patients given nifedipine in other formulations: allergenic hepatitis, ladopsia, anemia, arthritis with ANA (+), depression, erythromelolgia, extolictive dermatitis, fever, gingival hyperplasia, gynecomastia, leukopenia, mood changes, muscle cramps, nervousness, paranoid syndrome, purpura, shokkness, sleep disturbances, syncape, taste perversion, thrombotytopenia, transient blindness at the peak plasma level, tremor and urticaria.

tremor and articaria DOSAGE AND ADMINISTRATION:

DOSAGE AND ADMINISTRATION:
Dosage should be adjusted according to each
patient's needs. It is recommended that
ADALAT CC be administered orally once daily
an an empty stomach. ADALAT CC is a an
extended release dosage form and tablets
should be swallowed whole, not bitten or divided. In general, litration should proceed
over a 7-14 day period starting with 30 mg once daily. Upward litration should be
based on therapeutic efficacy and safety. The usual maintenance dose is 30 mg to 60
mg once daily. Litration to doses above 90 mg daily is not recommended.
If discontinuation of ADALAT CC is necessary, sound dinical practice suggests that the
dosage should be decreased gradually with close physician supervision.
Care should be token when dispensing ADALAT CC to assure that the extended release
dosage form has been prescribed.

dosage form has been prescribed

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References:

1. Data on file, Miles Inc.

2. Redbook Update. Montvale, NJ, Medical Economics Data, Inc., October 1993:p. 34.

Gimetidine: Both the peak plasma level of nifedipine and the AUC may increase in the presence of cimetidine. Ranitidine produces smaller non-significant increases. This effect of cimetidine may be mediated by its known inhibition of hepatic cytochrome P-450, the enzyme system probably responsible for the first-pass metabolism of nifedipine. It nifedipine therappy is initiated in a patient currently receiving cimetidine, cautious titration is advised

non's avoysea. Carcinagenesis, Impairment of Fertility: Nifedipine was adminis-tered orally to rats for two years and was not shown to be carcinagenic. When given to rats prior to mating, nifedipine caused reduced fertility of a dose approximately 30 times the maximum recommended human dose. In vivo mutagenicity studies were neg-

ative. Pregnancy: Pregnancy Category C. In rodents, rabbits and monkeys, nifedipine has been shown to have a variety of embryatoxic, placentotoxic and fetatoxic effects, including stunted fetuses (rats, mice and rabbits), digital anomalies (rats and rabbits), and deformities fimite, lettip loade (mice), smill placentos and underdeveloped chrinoinic villi (monkeys), embryonic and fetal deaths (rats, mice and rabbits), prolonged pregnancy (rats, not evaluated in other species). On a mg/kg or mg/m² bosis, some of the doses associated with these various effects are higher than the maximum recommended human dose and some release; but a lar withing an order of magnitude of it.

these various effects are higher than the maximum recommended human dose and some are lower, but of lar evithin an order of magnitude of it. The digital anomalies seen in nifedipine-exposed robbit pups are strikingly similar to those seen in pups exposed to phenytoin, and these are in turn similar to the pha-langed deformities that are the most common malformation seen in human children with in utera exposure to phenytoin. There are no adequate and well-controlled studies in pregnant women. ADALAT CC should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Nursing Mothers: Nifedigine is excreted in human milk. Therefore, a decision should be made to discontinue nursing or to discontinue the drug, taking into account the importance of the drug to the mother. ADVERSE EXPERIENCES: The incidence of adverse events during treatment with

ADVERSE EXPERIENCES: The incidence of adverse events during treatment with ADALAT CC in doses up to 90 mg daily were derived from multi-center placebo-controlled clinical triols in 370 hypertensive patients. Atenolal 50 mg once daily was used concomitantly in 187 of the 370 patients on ADALAT CC and in 64 of the 126 patients on placebo. All adverse events reported during ADALAT CC therapy were trobulated independently of their causal relationship to medication.

The most common adverse event reported with ADALAT CC so peripheral edema. The most common adverse event reported with ADALAT CC 30 mg daily, 22% on ADALAT CC 50 mg daily versus 10% on placebo. Other common adverse events reported in the above placebo-controlled trials include: Headache (19%, versus 13% placebo incidence); Flushing/heat sensation (4% versus 0% placebo incidence); Dizziness (4%, versus 2% placebo incidence); Trailing/eat sensation (4% versus 0% placebo incidence); Nausea (2%, versus 1% placebo incidence); Constitution (1%, versus 0% docebo incidence); Constitution (1%, versus 0% docebo incidence);

Constitution (1%, versus 0% placebo incidence).

Where the frequency of adverse events with ADALAT (C and placebo is similar, causal relationship cannot be established.

The following adverse events were reported with an incidence of 3% or less in daily doses up to 90 mg:



Pharmaceutical Division

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Remember ///

How much of the information you share with your patients really registers with them? After all, they may be worried . . . preoccupied. They listen to what you have to say, but do they hear you? By the time they arrive home, they may remember less than you'd like about their medical condition and the treatment you've prescribed for them.

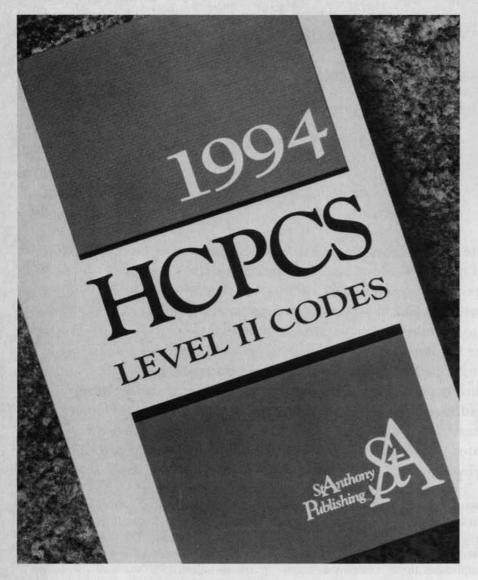
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