





# FOR TYPE II DIABETICS LIFE IS DEMANDING ENOUGH...







# TODAY'S LIFE DEMANDS INSULIN ON DEMAND

**GLUCOTROL®** (glipizide) provides patients with insulin when needed, responding on demand to meals and rising blood sugar.<sup>1</sup>

GLUCOTROL, with

insulin on demand, controls blood sugar quickly and effectively—all day and all night.<sup>1</sup>

# **GLUCOTROL** works

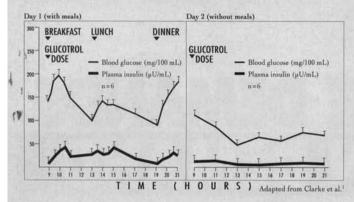
in response to meals; returning insulin to near-normal levels once the meal challenge subsides.<sup>1,2</sup>

When diet alone fails in NIDDM ... \*





## INSULINION DEMAND RESPONDS TO MEALS-AND REMAINS AT BASAL LEVELS DURING FASTING



The effect of fasting on mean blood sugar and plasma insulin levels was measured in a 2-day sludy of six NIDDM patients whose blood sugar levels had been controlled by a single daily dose of 5 to 10 mg of GLUCOTROL. On the first day, patients were served three meals. On the second, they received no food. Patients received their usual dose of GLUCOTROL at the start of each day !

REFERENCES: 1. Clarke BF, Corrall RJM, Azzopandi J, Bhalla IP, Fraser DM, Duncan LJP, Clinical observations on plipitole: efficacy, duration of activity, and safety. In: *Glipitole: A Worldwide Review*. Princeton, NJ: Excerpta Medica; 1984-234-247. **2**, Goebol R, Leb G. Effects of plytunide and glipitole on levels of immunoreactive insulin and blood sager. In: *Glipitole: A Worldwide Review*. Princeton, NJ: Excerpta Medica; 1984-9-15.

#### Brief Summary of Prescribing Information

INDICATIONS AND USAGE: GLUCOTROL is indicated as an adjunct to diet for the control of hyperghycemia in patients with noninsulin-dependent diabetes mellitus (NIDOM, type II) after an adequate trial of dietary therapy heap roved unsatisfactory. CONTRAININGATIONS: GLUCOTROL is constrained with a strategies with diabeted and the strategies and diabeted and the strategies a

CONTRAINDICATIONS: GLUCOTROL is contraindicated in patients with known hypersensitivity to the drug or with diabetic katoacidosis, with or without coma, which should be treated with insulin.

SPECIAL WARNING ON INCREASED RISK OF CARDIOVASCULAR MORTALITY: The administration of oral hypoglycemic drugs has been reported to be associated with increased cardiovascular mortality as compared to freatment with diet alone or diet plus insulin. This warning is based on the study conducted by the University Group Diabetes Program (UGDP), a long-term prospective clinical trial designed to evaluate the effectiveness of glucose-lowering drugs in preventing or delaying vascular complications in patients with non-insulin-dependent diabetes. The study involved 323 aatients who were randomiv assimed to one of four treatment groups (*Jiabete* 19, sung. 2747-881, 1970).

223 patients who were randomly assigned to one of four treatment groups (Diabetes, 19, supp. 2:747-830, 1970). UGDP reported that patients treated for 5 to 8 years with diet plus a fixed dose of tolbutamide (1.5 grams per day) had a rate of cardiovascular mortality approximately 2½ times that of patients treated with diet alone. A significant increase in total mortality was not observed, but the use of tolbutamide (1.5 grams per day) that a rate of cardiovascular mortality approximately 2½ times that of patients treated with diet alone. A significant increase in total mortality, hus limiting the opportunity for the study to show an increase in overall mortality. Despite controversy regarding the interpretation of these results, the findings of the UGDP study provide an adequate basis for this warning. The patient should be informed of the potential risks and advantages of GLUCOTROL and of alternative modes of therapy. Although only one drug in the suffonyturea class (tolbutamide) was included in this study, it is prudent from a safety standpoint to consider that this warning may also apply to other or al hypoglycemic drugs in this class, in view of their close similarities in mode of action and chemical structure.

PRECAUTIONS: Renal and Hepatic Disease: The metabolism and excretion of GLUCOTROL may be slowed in patients with Impaired renal and/or hepatic function. Hypoglycemia may be protonged in such patients should it occur. Hypoglycemia: All sulforylureas are capable of producing severe hypoglycemia. Proper patient selection, dosage, and instructions are

rypogreenine. An supprovement are capture to producing severe hypogreenine, hypogreenine, hypogreenine, and hypogreenine calcins. Eldery, debilitilated or important to avoid hypogreenine calcins. Eldery, debilitilated or malnourished patients and these with adrenal or pituliary insufficiency are particularly susceptible to the hypogreenic action of glucoselowering drugs. Hypogreenia may be difficult to recognize in the elderly or people taking beta-adrenergic blocking drugs. Hypogreenia is more likely to occur when calcric intake is deficient, after severe or prolonged exercise, when alcohol is ingested, or when more than one plucose-lowering drug is used.

Loss of Control of Blood Glucose: A loss of control may occur in diabetic patients exposed to stress such as lever, trauma, intection of surgery. It may then be necessary to discontinue GLUCOTROL and administer insulin.

Laboratory Tests: Blood and wine glucose should be informed periodically. Measurement of glycosylated hemoglobin may be useful. Information for Patients: Patients should be informed of the potential risks and advantages of GLUCOTROL, of alternative modes of therapy, as well as the importance of atthering to dietary instructions, of a regular exercise program, and of regular testing of urnle and/or blood glucose. The risks of hypoglycemia, its symptoms and treatment, and conditions that predispose to its development should be explained to patients and responsible tamily members. Primary and secondary failure should also be explained. Orug Interactions: The hypoglycemic action of sulfornylureas may be potentiated by certain drugs including nonsteroidal anti-

**Grug Interactions:** The hypoglycemic action of sulfory/ureas may be potentiated by certain drugs including nonsteroidal antiinflammatory agents, some azoles, and other drugs that are highly protein bound, salicylates, sulfonamides, chloramphenicol, probenecid, courrains, monoamine oxidase inhibitors, and beta-adrenergic blocking agents. *In vitro* studies indicate that IGLUOTROL binds differently than toltautamide and does not interact with salicylate or dicumarol. However, caution must be exercised in extrapolating these findings to a clinical situation. Certain drugs tend to produce hyperglycemia and may lead to loss of contol, including the thia:des and dher diurefice, corticosterolos, phenothiazines, thyroid products, estrogens, oral contraceptives, phenytoin, nicotinic azid, sympathomimetics, calcium channet blocking drugs, and isoniazid. A potential interaction between oral miconazole and oral hypoglycemic agents lesding to server hypoglycemia has been reported. Whether this interaction also occurs with the intravenous, topical, or vaginal preparations of miconazole is not known. The effect of concomitant administration of DIFLUGAN (flucomazole) and GLUCOTROL has been demonstrated in a placebo-controlled crossover study in normal voluntees: All subjects necleted GLUCOTROL alone and following treatment with 100 mg of DIFLUGAN as a single daily oral dose for 7 days. The mean percentage increase in the GLUCOTROL AUC after fluconazole administration was 56.9% (range: 35 to 81). Carcinogenesis, **Mutagenesis, Impairment of Fertility**: A20-month study in rats and an 18-month study in mice at doses up to

Carcinogenesis, Mutagenesis, Impairment of Fertilliy: A 20-month study in rats and an 18-month study in mice at doses up to 75 times the maximum human dose revealed no evidences of drug-related carcinogenicity, Bacterial and *in vivo* mutagenicity tests were uniformly resultive. Studies in rats of both sexes at doses up to 25 times the human dose showed no effects on fertility.

uniformly negative. Studies in rats of both seves at doses up to 75 times the human dose showed no effects on fertility. **Pregnancy:** Pregnancy: CalLOOTROL (glipicide) was found to be mildly letotoxic in rat reproductive studies at all dose levels (5-50 mg/kg). This fetotoxicity has been similarly noted with other satisfuryureas, such as tobloatmide and tolazamide. The effect is perinatal and believed to be directly related to the pharmacologic (hypoglycemic) action of GLUCOTROL. In studies in rats and rabbits no tratogenic effects were found. There are no adequate and well-controlled studies in pregnant women. GLUCOTROL should be used during pregnancy only (the potential benefit justifies the potential risk to the fetca.

# FOR TYPE II DIABETES, TODAY'S LIFE DEMANDS INSULIN ON DEMAND



When diet alone fails in NIDDM...



Because recent information suggests that abnormal blood glucose levels during pregnancy are associated with a higher incidence of congenital abnormalities, many experts recommend that insulin be used during pregnancy to maintain blood glucose levels as close to normal as oscibile.

Nonteratogenic Effects: Prolonged severe hypoglycemia has been reported in neonates born to mothers who were receiving a sulforhylurea drug at the time of delivery. This has been reported more frequently with the use of agents with prolonged half-lives. GULOOFROL should be discontinue at least one month before the expected delivey date.

GLOUCTING, should be descommuted at least one month before the expected delivery date. Nursing Mothers: Since some sulfonyturea drugs are known to be excreted in human milk, insulin therapy should be considered if musing is to be continued.

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

ADVERSE REACTIONS: In controlled studies, the frequency of serious adverse reactions reported was very low. Df 702 patients, 11.8% reported adverse reactions and in only 1.5% was GLUCOTROL discontinued.

Hypoglycemia: See PRECAUTIONS and OVERDOSAGE sections.

Gastrointestinal: Gastrointestinal disturbances, the most common, were reported with the following approximate incidence: nausea and diarrhae, one in 70; constipation and gastraligia, one in 100. They appear to be dose-related and may disappear on division or reduction of dosage. Cholestatic jaundice may occur rarely with sultonylureas: GLUCOTROL should be discontinued if this occurs. Dermalologic: Allergic skin reactions including explema, morbilliom or maculopapular eruptions, unitiaria, pruntus, and eczema have

Dermatologic: Allergic skin reactions including erythema, morbillitorm or maculopapular eruptions, urticaria, prunitus, and eczema have been reported in about one in 70 patients. These may be transient and may disappear despite continued use of GLUC0TRDL: if skin. reactions persist, the drug should be discontinued. Porphyria cutanea tarda and photosensitivity reactions have been reported with sufforwares.

Hematologic: Leukopenia, agranulocytosis; thrombocytopenia, hemolytic anemia, aplastic anemia, and pancytopenia have been reported with sulforylureas.

Metabolic: Hepatic porphytia and disulfiram-like alcohol reactions have been reported with suifonylureas. Clinical experience to date has shown that GLUCOTROL has an extremely low incidence of disulfiram-like reactions.

Endocrine Reactions: Cases of hyponatremia and the syndrome of inappropriate antidiuretic hormone (SIADH) secretion have been reported with this and other sulforylureas.

Miscellaneous: Dizziness, drowsiness, and headache have each been reported in about one in fifty patients treated with GLUCOTROL. They are usually transient and seldom require discontinuance of therapy.

OVERDOSAGE: Overdosage of sulfonytureas including GLUCOTROL can produce hypoglycemia. If hypoglycemic coma is diagnosed or suspected, the patient should be given a rapid intravenous injection of concentrated (50%) glucose solution. This should be followed by a continuous instainant of a more diffuel (10%) glucose solution at a rate that will mainlish the blood glucose at a level above 100 mg/dL. Patients should be closely monitored for a minimum of 24 to 48 hours since hypoglycemia may recur after apparent clinical recovery. Clearance of GLUCOTROL from plasma would be protonged in persons with liver disease. Because of the extensive protein binding of GLUCOTROL from to be of benefit.

DOSAGE AND ADMINISTRATION: There is no fixed dosage regimen for the management of diabetes mellitus with GLUCOTROL; in general, it should be given approximately 30 minutes before a meal to achieve the greatest reduction in postparated hyperglycemia. Initial Ose: The recommended starting dose is 5 mg before breaksts. Geniting puellents or those with hiver disease may be started on

Immar uses: the recommences saming does is 5 mg better breaktast, semanc patients or mose win river disease may be started on 2.5 mg. Dosage adjustments should ordinarily be in increments of 2.5-5 mg, as determined by blood glucose response. At least several days should elapse between thation steps.

Maximum Dose: The maximum recommended total daily dose is 40 mg

Maintenance: Some patients may be effectively controlled on a once-a-day regimen, while others show better response with divided dosing. Total daily doses above 15 mg should ordinarily be divided.

HOW SUPPLIED: GLUCOTROL tablets are white, dye-free, scored, diamond-shaped, and imprinted as follows: 5 mg—Pfizer 411; 10 mg—Pfizer 412. 5 mg Bottles: 100's (NDC 0049-4110-66), (NDC 59012-411-66); 500's (NDC 0049-4110-73), (NDC 59012-411-73); Unit Dose 100's

5 mg bolins: 1005 (NDC 0494-110-60), (NDC 59012-411-66); 5005 (NDC 0494-4110-73), (NDC 59012-411-73); Unit bose 1005 (NDC 0494-4110-73), (NDC 59012-412-411-41); Unit bose 1005 (NDC 0494-4120-41); (NDC 59012-412-41); Unit bose 1005 (NDC 0494-4120-66); (NDC 59012-412-66); S005 (NDC 0494-4120-73), (NDC 59012-412-73); Unit bose 1005 (NDC 0494-4120-66); (NDC 59012-412-66); S005 (NDC 0494-4120-73); (NDC 59012-412-73); Unit bose 1005 (NDC 59012-412-66); S005 (NDC 59012-412-73); Unit bose 1005 (NDC 59012-412-73); Unit bose 1005 (NDC 59012-412-66); S005 (NDC 59012-412-73); Unit bose 1005 (NDC 59012-412-73); Unit bose 1005

100's (NDC 0049-4120-41), (NDC 59012-412-41)

CAUTION: Federal law prohibits dispending without prescription.

More detailed professional information available on request.

Revised Jan. 1993



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Less patient discontinuation than with placebo

Side-effect profile compatible with other antihypertensive agents

Please see brief summary of prescribing information on this page.

#### LOZOL® (indepamide) 1.25 mg and 2.5 mg tablets

INDICATIONS: LOZOL (indepartide) is indicated for the treatment of hyperte alone or in combination with other anthyperfersive during and for the treatment or inplicities. and fluid retention associated with concessive hear failure. Usage in Pregnancy: See PEECAUTIONS CONTRAINCICATIONS: Anuna, hypersensitivity to indepamide or other sulforamide-

Lisage in Photpanor, See PHECAUTIONS. CONTRANNICATIONS: Anuita, hypesensitivity to indigamide or other sufforamide-derived drugs. WARNINGS: Infraquent cases of severe hyporatemia, accompanied by hypokalemia. have been reported with 2.5 mg and 5.0 mg indigamide primarity in elderly transits. Symptoms were reversed by electrolytic replensitiment. Hyponatemia considered possibly cincilarly significant (2.5 mg CL) has not been observed in crinical traits with the 1.5 mg dosage (see PHECAUTIONS). Hypokalemia occurs commonly with diartets (see ADVERSE REACTIONS), Hypokalemia, and electrolyte monitoring is essential. In general, durintos should not be given with ithium. PRECAUTIONS: Perform server in electrolyte differentiation at a supportiate intervais, especially in patients who are vorniting excessively or receiving parenteral fluids, in patients should be observed for clinical signs of fluid or electrolyte imbains, especially in patients who are vorniting excessively or receiving parenteral indix, in patients should be observed for clinical signs of fluid or electrolyte imbains, such as hyponaterima, hypochloremic alitalosis, or hypokalemia. The risk of hypokalemia excording to durises and nativesis is noresade with larger doses, with brisk dimesis, with severe critics, and with concomitant use of controsteroids or ACTH. Interference with adoptate rain attack of electrolyte imbains. Dividional hyponaterim can sensitize or exaggerate the response of the heart to the pocalerima. Hypokalemia can sensitize to reaggerate the response of the heart to the visually water restriction. In actual said dejetion, appropriate realment is usually water restriction. In actual said dejetion, appropriate realment is usually water restriction. In actual said dejetion, appropriate realment is usually water restriction. In actual said dejetion, appropriate realment is usually water restriction. In actual said dejetion, appropriate realment is usually water restriction. In actual said dejetion periodiate in certain patients receiving

Decomposition of the second second

be performed periodically. Use with cauton in patients with impaired hepatic function or progressive liver disease, since minor alteriations of fluid and electrolyte balance may precipitally hepatic coma. Latert disabeles may become manifest and insulin requirements in diabetic patients may be altered during thiazde administration. A mean increase in glucose of 6.47 mg/dL was observed in patients treated with indeparticle 12 smg, which was not considered dimically significant in these traits. Serum concentrations of glucose should be monitored counted juding treatment with indeparticle. Calcium excretion is decreased by diuretics pharmacologically related to indeparticle.

After six to eight weeks of indepandie 1.25 mg treatment and in long-term studies of hypertensive patients with higher closes of indepandie, however, serum concentrations of calcium moreased only sightly with indepandie, indepandie may decrease serum PBI levels without signs of thyroid disturbance. Complications of hyperparathyroidsm there not been seed on bisomitive before lesis of parathyroid function are performed. Thiaddes have exacertated or activated systemic Ligus erythematosus. Consider this resolution with interaments.

possibility with indegenide. DRUG INTERACTIONS: LOZOL may add to or potentiale the action of other anthprefersive drugs. The anthypertensive effect of the drug may be enhanced in the postsympathectomized galent. Indegenide may decrease anternal responsiveness to norgeneprine, but its does not previoue the use of norgineprinerine. In mouse and nat lifetime carcinogenicity studies, there were no significant differences in the incidence of tumors between the indepamde-treated animals and the control

groups. Pergrany Category & Duretics cross the placental barrier and appear in cord blood Indapamide should be used during pregnancy only if clearly needed. Use may be associated with fetal or neoratal junicle, thrombocytopenia, and possibly offer 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 stop

nussio ADVERSE REACTIONS: Most adverse effects have been mild and transent. From Phase IVIII placebo-controlled studies with indepartide 1.25 mg, adverse reactions with 25% cumulative incidence: headache, intection, pain, back pain, dizziness, filmitis, <5% Phase IIIII piazobo-comited subas with mapping 1.2 mg, soverse reactors with 25% cumulative incidence: asthema, flut syndhome, abdominal pain, chest pain, constpation, diamtea, dyspepsia, nausea, perpheral edema, nervousness, typerfornia, cough pharyngis, smastis, comunchrist. Al other cinical adverse reactors occurred at an incidence of .4%. In controlled cinical tails of so to egitt weeks in duration. 20% of patients receiving indigamide 1.25 mg. 61% of patients receiving indigamide 5.0 mg, and 80% of patients neoking indigamide 10.0 mg had at least ore potassium value below 3.4 mg/s, in the ndigamide 1.25 mg. 01% of patients receiving indigamide 5.0 mg, and 80% of patients neoking indigamide 120 mg group, about 40% of three patients wind reported hypotalemia as a laboratory adverse event returned to normal serum potassium values windou riterevento. Hypoklemia with oncomitant cinical signs or symptoms occurred in 21% of patients neoking indigamide 1.25 mg. From Phase II pisebo-controlled studies and long-tem controlled inicial tails with 1.020(1.25 mg of 5.0 mg, adverse reactions with 2.5% cumulative incidence: headache, dizzness, tratique wealines, loss of energy, lethargy, tredness or mailaise, muscle crangs or spatient or numbness of the externities, nonsess, tension, anxiety, initiabily or agatation; -5% cumulative incidence lighteadedness, drawnase, writing, damtae, gastre initiation, addominal pain or cramps, ancreake, dritosatat hybotension, prenature vertinucal contractors, mguair heart bada, patiators, flequency of unation, contain, ployta- hyberutoemia, hypergiveemia, hyponatremia, increase in serum BUM or creatinine, glycosuna, weight loss, dry mouth, linging of externities. Hypokalema with concomitant clinical signs or symptoms occurred in 3% of patients necesing independie 2.5 mg q.d. and 7% of patients necesiving indepandie 5 mg q.d. In forg-term controlled clinical traits comparing the hypokalemic effects of daily doese of indepandie and hydrochiorothiazide, however. 47% of patients receiving indepandie 2.5 mg, 72% of patients receiving indepandie 5 mg, and 44% of patients receiving indepandie and hydrochiorothiazide, however. 47% of patients receiving indepandie 2.5 mg, 72% of patients receiving indepandie 2.5 mg group, ver 50% of froes patients returned to normal serum potassium values windou intervention. Other adverse reactions reported with anthrupertensivelituretics are intrahepatic cholestatic patients, subjective and the indepandie 2.5 mg group, ver 50% of froes jaundice, saladente, xanthropei, photosensthilty, pupure, Jubius engloris, Stevers-Johnson syndrume, necrotizing anglitis, lever, respiratory distress (including preumontis), anghylactor reactors, agranutorytoss, levikopena, thrombocytopena, ajatest aremine.

aplastic anemia. CAUTION: Federa (U.S.A.) law prohibits dispensing without prescription. Keep topty, closed. Store at controlled room temperature, 15:30°C (59'-86'F). Avoid excessive feat. Dispense in tight containers as defined in USP. See product circular for full prescribing information. Revised: April 1993

In a controlled clinical trial, at 8 weeks the change in supine diastolic BP with 5 mg of indepartide was -10.8 mm Hg vs. -8.8 mm Hg with LOZOL 1.25 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 potas-sium 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. Reference: 1. Data on file, Rhône-Poulenc Rorer Pharmaceuticals Inc.

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Now, for allergic rhinitis...

ONCE DAILY FOR RELIEF

Once daily for convenience

Once daily for comfort<sup>1,2</sup>

Once daily for unsurpassed safety<sup>35</sup>



Turns patient complaints...Into patient compliance

Please see brief summary of prescribing information on adjacent page.



Turns patient complaints...Into patient compliance



For Intranasal Use Only Shake Well Before Using

#### BRIEF SUMMARY

CONTRAINDICATIONS: Hypersensitivity to any of the ingredients of this preparation

contraindicates in sue. **WARNINGS:** The replacement of a systemic corticosteroid with a topical corticoid can be accompanied by signs of adrenal insufficiency and, in addition, some patients may experience symptoms of withdrawal, e.g., joint and/or muscular pain, lassitude and depression. Patients previously treated for prolonged periods with systemic corticosteroids and transferred to topical corticoids should be carefully monitored for acute adrenal insufficiency in response to stress. In those patients who have asthma or other clinical conditions requiring long-term systemic corticosteroid treatment, too rapid a decrease in systemic corticosteroids and y cause a severe exacerbation of their symptoms.

Children who are on immunosuppressant drugs are more susceptible to infections than healthy children. Chickenpox and measles, for example, can have a more serious or even fatal course in children on immunosuppressant doese of corticosteroids. In such children, or in adults who have not had these diseases, particular care should be taken to avoid exposure. If exposed, therapy with varcella zoster immune globulin (VZIG) or pooled intravenous immunoglobulin (IVIG) as appropriate, may be indicated. If chickenpox develops, treatment with antiviral agents may be indicated. may be considered.

The use of Nasacort Nasal inhaler with alternate-day systemic prednisone could increase the likelihood of hypothalamic-pituitary-adrenal (HPA) suppression compared to a therapeutic dose of either one alone. Therefore, Nasacort Nasal Inhaler should be used with caution in patients already receiving alternate-day prednisone treatment for any disease.

Aready receiving anternate-back preclation in the any disease. PRECAUTIONS General: In clinical studies with triamcinolone acetonide administered intranasally, the development of localized infections of the nose and pharynx with *Candida albicans* has rarely occurred. When such an infection develops it may require treatment with appropriate local therapy and discontinuance of treatment with Nasacort Nasal Inhaler.

Triamcinolone acetonide administered intranasally has been shown to be absorbed into the systemic circulation in humans. Patients with active rhinitis showed absorption similar to that found in normal volunteers. Nasacort at 440 mcg/day for 42 days did not measurably affect adrenal response to a six hour cosyntropin test. In the same study prednisone 10 mg/day significantly reduced adrenal response to ACTH over the same period (see CLINICAL TRIALS section).

Nasacort Nasal Inhaler should be used with caution, if at all, in patients with active or quiescent tuberculous infections of the respiratory tract or in patients with untreated fungal, bacterial, or systemic viral infections or ocular herpes simplex. Because of the inhibitory effect of corticosteroids on wound healing in patients who have experienced recent nasal septal ulcers, nasal surgery or trauma, a corticosteroid should be used with caution until healing has occurred.

When used at excessive doses, systemic conticosteroid effects such as hyperconticism and adrenal suppression may appear. If such changes occur, Nasacort Nasal Inhaler should be discontinued slowly, consistent with accepted procedures for discontinuing oral steroid therapy Information for Patients: Patients being treated with Nasacort Nasal Inhaler should receive the following information and instructions.

Patients who are on immunosuppressant doses of corticosteroids should be warned to avoid exposure to chickenpox or measles and, if exposed, to obtain medical advice.

Patients should use Nasacort Nasal Inhaler at regular intervals since its effectiveness depends on its regular use. A decrease in symptoms may occur as soon as 12 hours after starting steroid therapy and generally can be expected to occur within a few days of initiating therapy in allergic rhinits. The patient should take the medication as directed and should not exceed the prescribed dosage. The patient should contact the physician if symptoms do not improve after three weeks, or if the condition worsens. Nasal imitation and/or burning or stinging after use of the spray occur only rarely with this product. The patient should contact the physician if they occur. occur

For the proper use of this unit and to attain maximum improvement, the patient should read and follow the accompanying patient instructions carefully. Because the amount dispensed per puff may not be consistent, it is important to shake the canister well. Also, the canister should be discarded after 100 actuations.

Carcinogenesis, Mutagenesis: Animal studies of triamcinolone acetonide to test its carcinogenic potential are underway.

Impairment of Fertility: Male and female rats which were administered oral triamcinolone acetonide at doses as high as 15 mcg/kg/day (110 mcg/m²/day, as calculated on a surface area basis) exhibited no evidence of impaired fertility. The maximum human dose, for comparison, is 6.3 mcg/kg/day (240 mcg/m²/day). However, a few female rats which received maternality floxic doses of 8 or 15 mcg/kg/day (6) mcg/m²/day or 110 mcg/m²/day, respectively, as calculated on a surface area basis) exhibited dystocia and prolonged delivery.

Developmental toxicity, which included increases in fetal resorptions and stillbirths and decreases in pup body weight and survival, also occurred at the maternally toxic doses (2.5 - 15.0 mcg/kg/day or 20 - 110 mcg/m²/day, as calculated on a surface area basis). Reproductive performance of female ratis and effects on fetuses and offspring were comparable between groups that received placebo and non-toxic or marginally toxic doses (0.5 and 1.0 mcg/ kg/day or 3.8 mcg/m²/day and 7.0 mcg/m²/day).

kg/day or 3.8 mcg/m²/day and 7.0 mcg/m²/day). **Pregnancy:** Pregnancy Category C. Like other conticoids, triamcinolone acetonide has been shown to be teratogenic in rats and rabbits. Teratogenic effects, which occurred in both species at 0.02, 0.04 and 0.08 m/g/kg/day (approximately 135, 270 and 540 mcg/m²/day in the rat and 320, 640 and 1280 mcg/m²/day in the rabbit, as calculated on a surface area basis), included a low incidence of cleft palate and/or internal hydrocephaly and axial skeletal defects. Teratogenic effects, including CNS and cranial matformations, have also been observed in non-human primates at 0.5 mg/kg/day (approximately 6.7 mg/m²/day). The doses of 0.02, 0.04, 0.08, and 0.5 mg/kg/day used in these toxicology studies are approximately 128, 255, 51, and 318.7 times the minimum recommended dose of 110 mcg of Nasacort per day and 32, 64.127, and 80 times the maximum recommended dose of 440 mcg of Nasacort per day based on a patient body weight of 70 kg. Administration of aerosol by initiation to pregnant rats and rabbits produced embryotoxic and fetotoxic effects which were comparable to those produced by administration by other routes. There are no adequate and well-controlled studies in pregnant women. Triamcinolone acetonide should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Experience with oral conticoids since their introduction in pharmacologic as opposed to physiologic doses suggests that rodents are more prone to teratogenic effects from corticoids than humans. In addition, because there is a natural increase in glucocorticoid production during pregnancy, most women will require a lower exogenous steroid dose and many will not need corticoid treatment during pregnancy.

Nonteratogenic Effects: Hypoatrenalism may occur in infants born of mothers receiving corticosteroids during pregnancy. Such infants should be carefully observed.

Nursing Mothers: It is not known whether triamcinolone acetonide is excreted in human milk Because other corticosteroids are excreted in human milk, caution should be exercised when Nasacort Nasal Inhaler is administered to nursing women.

Nasacon vasa inmater is administered to nusing women. Pediatric Use: Safety and effectiveness have not been established in children below the age of 12. Oral conticuids have been shown to cause growth suppression in children and teenagers, particularly with higher doses over extended periods. If a child or teenager on any corticoid appears to have growth suppression, the possibility that they are particularly sensitive to this effect of steroids should be considered.

ADVERSE REACTIONS: In controlled and uncontrolled studies, 1257 patients received treatment with intranasal triamcinolone acetonide. Adverse reactions are based on the 567 patients who received a product similar to the marketed Nasacort canister. These patients were treated for an average of 48 days (range 1 to 117 days). The 145 patients enrolled in uncontrolled studies received treatment from 1 to 820 days (average 332 days).

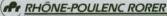
The most prevalent adverse experience was headache, being reported by 28% of the patients who received Nasacort. Nasal imitation was reported by 28% of the patients who received Nasacort. Nasal imitation was reported by 28% of the patients receiving Nasacort. Other nasopharyngeal side effects were reported by 28% of the patients who received Nasacort and included dry mucous membranes, naso-sinus congestion, throat discomfort, sneezing, and epistaxis. The complaints do not usually interfere with treatment and in the controlled and uncontrolled studies approximately 1% of patients have discontinued because of these nasal adverse effects.

because of a cidental overdose, an increased potential for these adverse experiences may be expected, but systemic adverse experiences are unlikely (see OVERDOSAGE section). DVERDOSAGE systemic adverse expensions are unlikely cause nasal initiation and application of the entire 15 mg of the canister would most likely cause nasal initiation and headache. It would be unlikely to see acute systemic adverse effects if the nasal application of the 15 mg of triamcinolone acetonide was administered all at once. Caution: Federal (U.S.A.) law prohibits dispensing without prescription.

ase see product circular for full prescribing information.

REFERENCES: 1. Winder J, Barker J, Bell T, et al. Intranasal triamcinolone acetonide aerosol versus beclomethasone dipropionate aqueous spray in perennial allergic rhinitis. *Medical Interface* 1992;5(6, suppl):16.2. Data on file, Rhône-Poulenc Rorer Pharmaceuticals inc. 3. Findlay S, Huber F, Garcia J, et al: Efficacy of once-a-day intranasal administration of triamcinolone acetonide in patients with seasonal allergic rhinitis. *Ann Allergy* 1992;68(3):228-232. 4. Storms W, Bronsky E, Findlay S, et al. Once daily triamcinolone acetonide asal spray is effective for the treatment of perenniai allergic rhinitis. *Ann Allergy* 1991;66(4):229-334. 5. Feiss G, Morris R, Rom D, et al: A comparative study of the effects of intranasal triamcinolone acetonide neorool (ITAA) and prednisone on adrenocortical function. *J Allergy Clin Immunol* 1992;89(6):1151-1156.

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# Effective lipid management doesn't have to be tough

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PRAVACHOL<sup>®</sup> (pravastatin sodium) is indicated as an adjunct to diet for the reduction of elevated total and LDL-cholesterol levels in patients with primary hypercholesterolemia (Types IIa and IIb) when the response to diet alone has not been adequate.

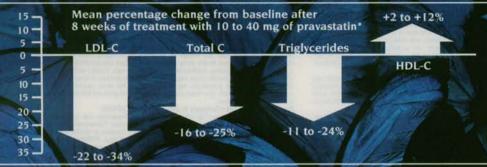
# Effective lipid management—improves key lipids

N

M

Significantly reduces LDL-C. Increases beneficial HDL-C.

D



\*Each arrow represents a range of means derived from a single placebo-controlled study that included 55 patients treated with pravastatin.

# Excellent safety/tolerability profile for patients

Low incidence of side effects

N

- Discontinuation rate from pravastatin (1.7%) was not statistically different from that of placebo (1.2%)
- Active liver disease *or* unexplained transaminase elevations, pregnancy and lactation are contraindications to the use of pravastatin

# Easy dosing regimen and other patient benefits

- Usual dose: 20 mg once daily at bedtime, with or without food
- PRAVACHOL can be used confidently with many other medications

# PRAVACHOL® pravastatin sodium 20 mg tablets

Bristol-Myers Squibb Company

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Please see CONTRAINDICATIONS, WARNINGS, PRECAUTIONS, and ADVERSE REACTIONS in the brief summary of prescribing information on the final page of this advertisement. Reference: 1. Jones PH, et al. Once-daily pravastatin in patients with primary hypercholesterolemia: a dose-response study. Clin Cardiol. 1991;14:146-151.

## PRAVACHOL® (Pravastatin Sodium Tablets) CONTRAINDICATIONS

sensitivity to any component of this medication.

Hypersensitivity to any component of this medication. Active liver disease or unexplained, persistent elevations in liver function tests (see WARNINGS). Pregnancy and lactation. Atherosclerosis is a chronic process and discontinuation of lipid-lowering drugs during pregnancy should have little impact on the outcome of long-term therapy of primary hypercholestrolemia. Cho-lesterol and other products of cholesterol biosynthesis are essential components for fetal development (including synthesis of steroids and cell membranes). Since HMG-CoA reductase inhibitors decrease cholesterol synthesis synthesis of steroids and cell membranes). Since HMG-COA reductase inhibitors decrease cholesterol synthesis and possibly the synthesis of other biologically active substances derived from cholesterol, they may cause fetal harm when administered to pregnant women. Therefore, HMG-CoA reductase inhibitors are contraindicated during pregnancy and in nursing mothers. **Pravastatin should be administered to women of childbearing age only when such patients are highly unlikely to conceive and have been informed of the potential hazards, if the patient becomes pregnant while taking this class of drug, therapy should be discontinued and the cellant concided of the optical barcer to the feture.** patient apprised of the potential hazard to the fetus.

WARNINGS Liver Enzymes: HMG-CoA reductase inhibitors, like some other lipid-lowering therapies, have been associated with biochemical abnormalities of liver function. Increases of serum transaminase (ALT, AST) values to more than 3 times the upper limit of normal occurring on 2 or more (not necessarily sequential) occasions have been reported in 1.3% of patients treated with pravastatin in the U.S. over an average period of 18 months. These abnormalities were not associated with cholestasis and did not appear to be related to treatment duration. In those patients in whom these abnormalities were believed to be related to pravastatin and who were discontinued from therapy, the transaminase levels usually fell slowly to pretreatment levels. These biochemical findings are usually asymptomatic although worldwide experience indicates that anorexia, weakness, and/or abdominal pain may also be present in rare nations.

rare patients. As with other lipid-lowering agents, liver function tests should be performed during therapy with pravastatin. Serum aminotransferases, including ALT (SGPT), should be monitored before treatment begins, every six weeks for the first three months, every eight weeks during the remainder of the first year, and periodically thereatter (e.g., at about six-month intervals). Special attention should be given to patients who develop increased transaminase levels. Liver function tests should be repeated to confirm an elevation and subsequently monitored at more frequent intervals. If increases in AST and ALT equal or exceed three times the upper limit of normal and persist, then therapy should be discontinued. Persistence of significant aminotransferase elevations following discontinua-tion of therapy should be discontinued.

frequent intervals. If increases in AST and ALT equal or exceed three times the upper limit of normal and persist, then therapy should be discontinued. Persistence of significant aminotransferase elevations following discontinue tion of therapy may warrant consideration of liver biopsy. Active liver disease or unexplained transaminase elevations are contraindications to the use of pravastatin (see CONTRAINORATIONS). Caution should be evercised when pravastatin is administered to patients with a history of liver disease or heavy alcohol ingestion (see CLINCAL PHARMACOLOGY: Pharmacokinetics/Metabolism). Such patients should be closely monitored, started at the lower end of the recommended dosing range, and titrated to the desired therapeutic effect. **Skeletal Muscle: Rhabdomyolysis with renal dysfunction secondary to myoglobinuria has been re-ported with pravastatin and other drugs in this class.** Uncomplicated maylagi has also been reported in pravastatin-treated patients (see ADVERSE REACTIONS). Myopathy, defined as muscle aching or muscle weak-ress in conjunction with increases in creatine phosphohiase (CPK) quicks to greater than 10 limes the upper limit of normal was reported to be possibly due to pravastatin in only one patient in clinical triak (<-0.1%). Myopathy should be considered in any patient with diffuse myajlas, muscle enderness or weak-ness, particularly if accompanied by malaise or fever. **Pravastatin therapy should be discontinued if mark-edly elevatid CPK levels occur or myopathy is diagnosed or suspected. <b>Pravastatin therapy should** also be temporarily withheld in any patient with lovastatin therapy should be eithery with pravastatin together with closel and out of working treatment with lovastatin tais increased if therapy with the development of renaic failure secondary to maldomyolysis, egg-sepsis; hypotension, major sur-gery; trauma; severe metabolic, endocrine, or electrolyte disorders; or uncontrolled egilepsy. The risk of myopathy during treatment with lovastatin is increased if t

or presentation and increases should generating be avoided. PRECAUTONSI General: Pravastatin may elevate creatine phosphokinase and transaminase levels (see ADVERSE REACTIONS). This should be considered in the differential diagnosis of chest pain in a patient on therapy with pravastatin. *Homozygous Familial Hypercholestrolemia*. Pravastatin has not been evaluated in patients with rare homo-

Homozygous Familial Hypercholesterolemia. Pravastatin has not been evaluated in patients with rare homo-zygous familial Hypercholesterolemia. In this group of patients, it has been reported that HMG-CoA reductase inhibitors are less effective because the patients tack functional LDL receptors. *Renal Insufficiency*, A single 20 mg oral dose of pravastatin was administered to 24 patients with varying degrees of renal impatiment (as determined by creatinine clearance). No effect was observed on the pharmacokinetics of pravastatin or its 3a-hydroxy isomeric metabolite (SQ 31,906). A small increase was seen in mean AUC values and half-life (IV2) or the inactive enzymatic ring hydroxylation metabolite (SQ 31,945). Given this small sample size, the dosage administered, and the degree of individual variability, patients with renal impairment who are receiving pravastatin for Patients: Patients should be advised to report promptly unexplained muscle pain, tendemess or weakness anticuliativi dircompanied the ver

weakness, particularly if accompanied by malaise or fever. **Drug Interactions:** Immunosuppressive Drugs, Gemfibrozil, Niacin (Nicotinic Acid), Erythromycin: See WARN-INSG: Skeletal Muscle.

Weakings, particulary in accompanies of interaction interactions: Immunosuppressive Drags, Germitbrozii, Niacin (Nicotinic Acid), Erythromycin: See WARN-INSS: Skeletal Muscle. Antipyrine: Clearance by the cytochrome P450 system was unaitered by concomitant administration of prav-astain. Since pravastatin does not appear to induce hepatic drug-metabolizing enzymes, it is not expected that any significant interaction of pravastatin with other drugs (e.g., phenytoin, quinidine) metabolized by the cytoc-throme P450 system will occur. Cholestyramine/Colestipat: Concomitant administration resulted in an approximately 40 to 50% decrease in the mean ALC of pravastatin. However, when pravastatin was administered 1 hour before or 4 hours after choles-tyramine or 1 hour before polestipot and a standard meal, three was no clinically significant decrease in bio availability or therapeutic effect. (See DOSAGE AND ADMINSTPATION: Concomitant Therapy.) Warfam: In a study involving 10 healthy male subjects given pravastatin and warfarin concomitantly for 6 days itoavailability or therapeutic effect. (See DOSAGE AND ADMINSTPATION: Concomitant Therapy.) Warfam: In a study involving 10 healthy male subjects given pravastatin and warfarin concomitantly for 6 days itoavailability or changes in its anticoagulant action (i.e., no increase was seen in mean prothrombin time after 6 days of concomitant therapy). However, bleeding and extreme protogradion of prothrombin time after for 4 duc to pravastatin wing up navastatin with antitated or the dosage of pravastatin is changed. *Cimetidine*: The AUC<sub>0, 129</sub>, for pravastatin with antited or the dosage of pravastatin is changed. *Cimetidine*: The AUC<sub>0, 129</sub>, for pravastatin when given with cimetidine was not significantly different from the AUC for pravastatin withing the healthy male subjects given pravastatin is inde doso in crease, but the overal bioavailability of pravastatin plus its metabolities 30,1906 and SQ 31,945 was not altered. Biopxin: In a crossover study in 20 healthy ma

was administered. Other Drugs: During clinical triats, no noticeable drug interactions were reported when PRAVACHOL was added to: diuretics, antihypertensives, digitalis, converting enzyme inhibitors, calorum channel blockers, beta-blockers,

Endocrime Function: HMG-CoA reductase inhibitors interfere with cholesterol synthesis and lower circulating cholesterol levels and, as such, might theoretically blunt adrenator gonadal steroid hormone production. Results of chinical traits with pravastatin in males and post-menopousal females were inconsistent with regard to possible effects of the drug on basal steroid hormone levels. In a study of 21 males, the mean testosterone response to human chorionic gonadotropin was significantly reduced (p<0.004) after 15 weeks of treatment with 40 mg of pravastatin. However, the percentage of patients showing a ≥50% rise in plasma testosterone after human chorionic gonadotropin stimulation did not change significantly after therapy in these patients. The effects of HMG-CoA reductase inhibitors on spermatogenesis and fertility have not been studied in adequate numbers of patients. The effects, if any, of pravastatin on the pituitary-gonadal axis in pre-menopausal females are unknown. Patients treated with pravastatin who display clinical evidence of endocrine drystunction should be evaluated appropriately. Caution should also be exercised if an HMG-CoA reductase inhibitor or other agent used to lower cholesterol tevels is administered to patients also receiving other drugs (e.g., ketoconazole, spironolactone, orm-etidine) that may diminish the levels or activity of steroid hormones. **CNS Toxicity:** CNS vascular lesions, characterized by perivascular hemorrhage and edema and mononuclear cell e Function: HMG-CoA reductase inhibitors interfere with cholesterol synthesis and lower circulating

infiltration of perivascular spaces, were seen in dogs treated with pravastatin at a dose of 25 mg/kg/day, a dose that produced a plasma drug level about 50 times higher than the mean drug level in humans taking 40 mg/day. Similar CNS vascular lesions have been observed with several other drugs in this class. A chemically similar drug in this class produced optic nerve degeneration (Wallerian degeneration dry din turne) and up levels about 30 times higher than the mean drug level in humans taking the highest recommended dose (as measured by total enzyme inhibitory activity). This same drug also produced vestibulocochear Wallerian-like degeneration (Avallerian degeneration) (Avallerian degeneratin) (Avallerian degener

Pregnancy: Pregnancy Category X: See CONTRAINDICATIONS.

Pregnancy: Pregnancy Category X: See CONTRAINDICATIONS. Safety in pregnant women has not been established. Pravastatin was not teratogenic in rats at doses up to 1000 mg/kg daily or in rabbits at doses of up to 50 mg/kg daily. These doses resulted in 20x (rabbit) or 240x (rat) the human exposure based on surface area (mg/meter2). However, in studies with another HMG-COA reductase inhibitor, sketal malformations were observed in rats and mice. PRAWACHDL (pravastatin sodium) should be administered to women of child-bearing potential only when such patients are highly unlikely to conceive and have been informed of the potential hazards. If the woman becomes pregnant while taking PRAWACHOL, it should be discontinued and the patient advised again as to the potential hazards to the fetus. **Nursing Mothers:** A small amount of pravastatin is excreted in human breast milk. Because of the poten-tial for serious adverse reactions in nursing infants, women taking PRAWACHOL, should not nurse (see CONTRAINDCATIONS).

Dediatric Use: Safety and effectiveness in individuals less than 18 years old have not been established. Hence, treatment in patients less than 18 years old is not recommended at this time. (See also PRECAUTIONS: General.) ADVERSE REACTIONS

ADVERSE REACTIONS Pravastatin is generally well tolerated; adverse reactions have usually been mild and transient. In 4-month long placebo-controlled trials, 1.7% of pravastatin-treated patients and 1.2% of placebo-treated patients were discon-tinued from treatment because of adverse experiences attributed to study drug therapy; this difference was not statistically significant. In long-term studies, the most common reasons for discontinuation were asymptomatic serum transammase increases and mild, non-specific gastrointestinal complaints. During clinical trials the overlaw incidence of adverse events in the elderly was not different from the incidence observed in younger patients. Adverse Clinical Events: All adverse clinical events (regardless of attribution) reported in more than 2% of pravastatin-treated patients in the placebo-controlled trials are identified in the table below, also shown are the percentages of patients in whom these medical events were beleved to be related or possibly related to the drug.

	Ail Ever	Ail Events %		Events Attributed to Study Drug %	
Body System/Event	Pravastatin (N = 900)	Placebo (N = 411)	Pravastatin (N = 900)	Placebo (N = 411)	
Cardiovascular					
Cardiac Chest Pain	4.0	3.4	0.1	0.0	
Dermatologic					
Rash	4.0*	1.1	1.3	0.9	
Gastrointestinal					
Nausea/Vomiting	7.3	7.1	2.9	3.4	
Diarrhea	6.2	5.6	2.0	1.9	
Abdominal Pain	5.4	6.9	2.0	3.9	
Constipation	4.0	7.1	2.4	5.1	
Flatulence	3.3	3.6	2.7	3.4	
Heartburn	2.9	1.9	2.0	0.7	
General					
Fatigue	3.8	3.4	1.9	1.0	
Chest Pain	3.7	1.9	0.3	0.2	
Influenza	2.4*	0.7	0.0	0.0	
Musculoskeletal					
Localized Pain	10.0	9.0	1.4	1.5	
Myalqia	2.7	1.0	0.6	0.0	
Nervous System					
Headache	6.2	3.9	1.7*	0.2	
Dizziness	3.3	3.2	1.0	0.5	
Renal/Genitourinary					
Urinary Abnormality	2.4	2.9	0.7	1.2	
Respiratory					
Common Cold	7.0	6.3	0.0	0.0	
Rhinitis	4.0	4.1	0.1	0.0	
Cough	2.6	1.7	0.1	0.0	

\*Statistically significantly different from placebo. The following effects have been reported with drugs in this class:

The following effects have been reported with drugs in this class: Skeletal: myopathy, rhabdomyolysis. Neurological: dystunction of certain cranial nerves (including alteration of taste, impairment of exta-ocular movement, lacal paresis), tremor, vertigo, memory loss, paresthesia, peripheral neuropathy, peripheral nerve paky. Hypersensitivity Reactions: An apparent hypersensitivity syndhome has been reported rarely which has included one or more of the following features: anaphylaxis, angioedema, lupus erythematous-like syndhome, polymyalgia neurolysis, erythema multiforme, including Stevens-Johnson syndhome. Gastrointestrinal: pancreatitis, hepatitis, including chronic active hepatitis, cholestatic jaundice, fatty change in liver, and, rarely, cirrhosis, fullminant hepatite necrosis, and hepatoma, anorexia, vomiting. *Reproductive*: gynecomastia, loss of libido, erectile dystunction. *Eleboratory* Test Abnormalities: increases in serum transaminase (ALT, AST) values and CPK have been observed (see WARNINGS).

observed (see WARNINGS). Transient, asymptomatic excitophilia has been reported. Ecsinophil counts usually returned to normal despite contin-ued therapy. hornia, thrombocytopenia, and leukopenia have been reported with other HMG-CoA reductase inhibitors. **Concomitant Therapy:** Pravastatin has been administered concurrently with cholestyramine, colestipol, nico-tinic acid, probucci and gemithrozid. Preliminary data suggest that the addition of either probucci or gemithrozid. Ite those previously reported for each drug alone. No adverse reactions unique to the combination or in addition to these previously reported for each drug alone have been reported. Myoathy and rhatdomyosis (with or without acute renal failure) have been reported when another HMG-CoA reductase inhibitor was used in combination with immunosuppressive drugs, gemitbrozil, reynthornycin, or tigid-lowering doses of nicotinic acid. Concomitant ther-apy with HMG-CoA reductase inhibitors and these agents is generally not recommended. (See WARNINGS: **Skeletal Muscle and PRECAUTIONS: Drug Interactions.)** OVERDOSAGE

en no reports of overdoses with pravastating

Should an accidental overdose occur, treat symptomatically and institute supportive measures as required.

Would woman abuse remain harmless if not acknowledged and discussed? Given that people usually do not volunteer the history of abuse unless asked, is there any benefit to screening—that is, asking patients if they have been threatened, assaulted, or injured? In the strict sense, it is true that such "screening" is not "evidence-based." But neither are most other questions that we ask as part of a medical history. Sometimes the answer can make sense of a confusing array of symptoms and signs of distress, and can suggest what to do. It is true that interventions have not yet been proven to stop woman abuse or to help women to heal. Funding and scientific examination of treatment and prevention for family violence should be a priority. Do we really believe that we can and should ignore this problem until the evidence for a benefit from diagnosing woman abuse is in?

Finally, although most people are in relatively powerless situations sometime during their lives, and indeed, violence is ubiquitous in our culture, women rarely assault, molest, or rape men. Thus, secondary prevention of further harm to those at risk can be targeted at women (and other less powerful groups, such as children and dependent elders). On the other hand, primary prevention of interpersonal violence would involve almost everyone in learning different ways of conflict resolution, eschewing violent models, redressing power imbalances in what we believe should be symmetrical relationships, and teaching everyone self-love and self-protection. Such a social transformation will never be based on evidence, but on values.

> Louise Acheson, MD Case Western Reserve University Cleveland, Ohio

- Mitford J. The American Way of Birth. New York, NY: EP Dutton; 1992:19-23.
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- a chart review at a family practice center. Arch Fam Med. 1993;2:537-543.
  3. McFarlane J, Parker B, Soeken K, Bullock L. Assessing for abuse during pregnancy. JAMA. 1992;267:3176-3178.

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 reac-tions 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. Studis have not identified any subset of patients not at risk of developing pep-tic 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 o relatively large doses (within the recommy nded dosage range), sufficien 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 contin-ued 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 dysfunc-tion, 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 if systemic manifestations occur (e.g., eosinophilia, rash, etc.) discontinue therapy. Anemia is sometimes seen, which may be due to fluid retention. GI 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 natients: 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 used for less serious conditions in which treatment without borne may be an acceptable alternative. Liboratory Test: 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. Durg Interactions; Use caution when giving concomitantly with antacids, aspirn, warfarin pherytoin gyburide, diuretics, cyclosporine, digoxin, lithium, or methotrexate. Coad-ministration of Lodine and phenylbutazone not recommended. Drug/Laboratory Test Interactions: False-positive for uninary bilinubin and/or uninary 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 estab-lished. 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\*, depres-sion, 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. Drugrelated 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). Cardiovas-cular system: hypertension, congestive heart failure, flushing, palpitations, syncope. Digestive system: thirst, dry mouth, ulcerative stomatitis, anorexia, eructation, elevated liver enzymes, cholestatic hepatitis, hepatitis. cholestatic jaundice, jaundice, PUB (i.e., peptic ulcer with or without bleeding and/or perforation), pancreatitis. Hemic and lymphatic system: ecchymosis, anemia, thrombocytopenia, bleeding time increased, agran ulocytosis, hemolytic anemia; neutropenia, pancytopenia. Metabolic and nutritional: edema, serum creatinine increase, hyperglycernia 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, myocard infarction. Digestive system: esophagitis with or without stricture or car diospasm, colitis. Hemic and lymphatic system: leukopenia. Metabolic and nutritional: change in weight. Nervous system: paresthesia, confusion. spiratory system: bronchitis, dyspnea, pharyngitis, rhinitis, sinusitis Skin and appendages: maculopapular rash, alopecia, skin peeling, photo-sensitivity. 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, GI bleeding, coma, or anaphylactoid reaction. Hypertension, acute renal failure, and respiratory depression are rare. Empty stomach and use usual supportive neasures. See package insert for full prescribing information

C1 4000-6

Averst Laboratories Inc. A Wyeth-Averst Company Philadeholia, PA 19101

June 15, 1993



# Extra Strength, 400 mg, That Works In Osteoarthritis

# Simple B.I.D. Choice\*

Same Favorable LODINE Tolerability<sup>†</sup>



# More Strength To Live With Osteoarthritis



Recommended starting dosage in OA is 800 mg to 1,200 mg/day in divided doses.
 As with other NSAIDs, the most frequent complaints relate to the GI tract. In patients treated chronically with NSAID therapy, serious GI toxicity such as perforation, ulceration, and bleeding can occur.

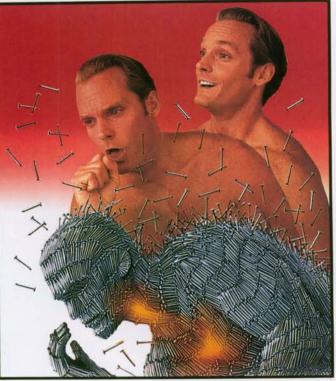
© 1993, Wyeth-Ayerst Laboratories.





# **Combines the antitussive action of hydrocodone** with the expectorant action of guaifenesin.

- Hydrocodone helps suppress dry, hacking coughs for up to 6 hours.
- Guaifenesin enables those coughs that do occur to be more productive.
- Long lasting relief in a sugarfree, alcohol-free, dye-free, cherry flavored formula.
- Adult Dose: 1 teaspoon (5mL) every 4-6 hours not to exceed 6 teaspoons in a 24 hour period.





INDICATIONS AND USAGE: VICCOIN TUSS<sup>IM</sup> Expectorant is indicated for the symptomatic relief of irritating non-productive cough associated with upper and lower respiratory tract congestion. CONTRAINDICATIONS: VICCOIN TUSS<sup>IM</sup> Expectorant is contraindicated in patients hypersensitive to other opioids may exhibit cross sensitivity to VICCOIN TUSS<sup>IM</sup> Expectorant. Hydrocodone is contraindicated in the presence of an intracranial lesion associated with increased intracranial pressure; and whenever ventilatory function is dep warkings. May be habit forming, Hydrocodone can produce form dependence of the morphine type and therefore has the presence of an intracranial lesion associated with increased intracranial pressure; and whenever ventilatory function is dep presentible and administered with the same degree of caution appropriate to the use of other ancotic drugs (see ONION RUSS<sup>IM</sup> Expectorant and it is have expectorant produce drug dependence, physicial dependence and tolerance may develop upon repeated administration of VICCOIN TUSS<sup>IM</sup> Expectorant and its has an energicatory depression occurs, it may be antaponized by the use of nanoxice hydrochonide and other supporties measures when indicated. Head lighter and lacreased intracranial pressure: The respiratory depression course of patients with hard injures. Acta Adaminatical Confilience: The administration of VICCOIN TUSS<sup>IM</sup> Expectorant of the same set of indicators or clinical course of patients with hard injures. Acta Adaminatical Confilience: The administration of VICCOIN TUSS<sup>IM</sup> Expectorant or other opioids may obscure the diaposites or clinical course of patients with acta injures. Acta Adaminatical Confilience: The administration of VICCOIN TUSS<sup>IM</sup> Expectorant or other administration of VICCOIN TUSS<sup>IM</sup> Expectorant and the model s before the set of the tics of nd to produce an tinued 24 hours prior to the collection of urine spec ney: Pregnancy Category C. Animal reproduction studie os for the determ at of fertility: Carcinogenicity, mutagenicity and reproduction studies have not been conducted with VICODIN TUSS™ Expectorant. imal reproduction studies have not been conducted with VICODIN TUSS™ Exp nt It is also not Calcingenzary, managemory are reproduction sources have not over contracted min vectorin equations be determined on the source of the source o uld be given to a pregnant woman only if clearly ne ed stools, s There is no consensus on the best method of managing withdrawal. Chlorpromazne 0.7-1.0 mg/ng q on, presenceded in human mik and because of the potential for serious adverse reactions in nursing mains non-recording to the inspiratory drugs are excreted in human mik and because of the potential for serious adverse reactions in nursing mains non-recording to the mother. ADVERSE REACTIONS Registratory System: Hydrocolone produces dos-related respiratory depression by acting directly on brain stem respiratory centers. Cardiovascular System: Understance of the drug taking into account the importance of the drug to the mother. ADVERSE REACTIONS Registratory System: Hydrocolone produces dos-related respiratory depression by acting directly on brain stem respiratory centers. Cardiovascular System: Understance of the drug taking into account the importance of the drug to the mother. ADVERSE REACTIONS Registratory System: Understance System: Understance System: Understance System: Understance System: Understance System: Understance of the drug taking into account the importance and tearance and tearance in prescribing hydroce is and for those with a history of drug misuse. Such patients should be closely supervised when long-term therapy is contemplated. UNONIN USS<sup>®</sup> Exceptional taking to prevent the appearance of a withdrawal syndrome. Physical dependence, the indicated and invisited with caution. Physical dependence and tearance and tearance of a withdrawal are similar to exception of the drug is required to prevent the appearance of a withdrawal syndrome. Physical dependence is the condition in which continued administration of the drug is required to prevent the appearance of a withdrawal are similar to prevent the appearance of physical de ric 2-4 drop ps/kg q 4 h, have been used to treat v Initial for serious adverse reactions in used to treat withdrawal symp ed as tolerated Nur otics; therefore, VICODIN TUSS™ Expectorant should always be prescrit auxy, unreases, volume tools— cupreuse answard aways or precursor and assimilation or more and assistance syndrome upon abrupt discontinuation of the opioid or following the administration of a nure cutorial analysis and the intervention of the opioid or collowing the administration or a nure cutorial analysis. The character and severely of the withdraway symptoms are related to the degree of propher and induce lacrimation, finitorities, yawning, sweating, resiliesness, dilated pupils, anorexia, goose-flesh, irritability, and tremor. In more severe forms, rausea, vomiting, intestinal spasm and diarrhea, externing and the topical or administration of a nure cutorial and populations. The character and severely of the withdraway symptoms are related to the degree of upopulation and diarrhea, a cutorial sector and and the cutorial or topical or provide and submitting and cutorial is usually managed by providing sufficient quantities of an opioid to suppress aware withdraway symptom suppressing to a period of several days. OVERDOSAGE: Signa and Symptoms: Stress everages with Cutorial Symptoms are relating a service withdraway symptom and the opioid over a period of several days. OVERDOSAGE: Signa and Symptoms: Stress everages and diarchea, a days of the diardor day for the divolume. Cherner-Stoker respiration, cyanosis, enterne somolence progressing to stupor or coma, skeletal muscle flaccidity, cold and clammy skin, and sometimes bradycardia and hy reversion or coma, skeletal muscle flaccidity, cold and clammy skin, and sometimes bradycardia and several product progression appression evention are cutorial and and the several product progression of a patternion of a cutorial and provide or cutorial advarde respiration appression and assessing with maxima and are evention on advarde and provide or cutorial advarde respiration appression and and and and and and provide or advarde advarde and and advarde advarde advarde advarde advarde advarde advarde adva iar to but milde d heart rate and blood pressure, chills, and pa no, intestinal spasm and diarrhea, increa ts and the period or section of a section of the section of th eletal muscle flaccidity, cold and clammy skin, and sometimes bradycardia and hypo the reestablishment of adequate respiratory exchange through provision of a patent tory depression which may result from overdosage or unusual sensitivity to narcotic **QUALITY TOWARD EXCELLENCE** he institution of assisted or controlled ventila Institution to assisted of commons relations in the network of the should be administered, preferably by the intravenous roule, simul trocodone. Therefore, an appropriate does of nakonone hydrochlonics should be administered, preferably by the intravenous roule, simul assures should be employed as indicated. Gastric emplying may be useful in removing unabsorbed drug. Activated charcoal may be of benefit citation. For further i nultaneously with efforts at respiratory re

Knoll Pharmaceutical Company 30 North Jefferson Road Whippany, New Jersey 07981

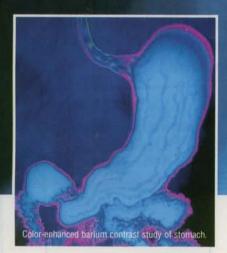


BASE Group

ression. Oxygen, intra

IN MANY CHRONIC ARTHRITIS PATIENTS

# Expect Success from the #1 Prescribed NSAID\*



A proven efficacy and safety profile backed by 16 years of clinical success.

As with other NSAIDs, the most frequent complaints are gastrointestinal, and rare hepatic and renal reactions have been reported.

Please see brief summary of prescribing information on adjacent page.

Color-enhanced 3-D MRI of OA knee with medial compartment narrowing and anterior osteophytes in red. Supplied by David W. Stoller, MD, of California Advanced Imaging.

# EXPECT SUCCESS FROM NAPROSYN® (NAPROXEN) 500 mg tablets

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

\*Leading industry audits for 12 months ending April 1992. Pharmacy sales of Naprosyn (naproxen) in the U.S. Data on file, Syntex Laboratories. Inc. Document NP92181-A.



© 1992 Syntex Puerto Rico, Inc. NP92181

# NAPROS

Briel Summary: Contraindication Brief Summary: Contrained toms: Patients who have had allergic reactions to NAPRUSYN, ANAPROX or ANAPROX US or in whom aspinin or NAPRUSYN, ANAPROX or ANAPROX US or in whom aspinin or her NSAIDs or utcharia, and hypotension asociated with NSAIDs before starting therapy. If such symptoms occur, discontinue the drug, Warnings: Serious Gi tux city such as bleeding, ulceration, and perforation can occur at any time, with or without warning symptoms, in patients treated chronically with NSAIDs. Bemain alert for ulceration and bleeding in such patients even in the absence of previous Gi tack typetions. In clinical trials, symp-towic in approximately the of abients treated for one gene in the about 24-96 mately the of abients treated for one gene in the about 24-96 mately the of abients treated for one gene in the about 24-96 mately the of abients treated for one gene is and other risk factors known to be associated with peptic ulceration and bleeding, unst spontaneous reports of table (levents and other risk factors known to be associated with peptic ulcer disease, such as alcoholism, spontane, etc., no risk factors (etc., age, Sex) have been to totated with more set has, table etc., and the risk factors known to be associated with peptic ulcer disease, such as alcoholism, spontaneous reports of table (levents are in this population no considering the uso of relatively large doses (within the ecom-mended dosage range). sufficient benefit should be anticipated to offset the potential increased risk of Gi tuxicity Prezuriess: DN ONT Giver AMPROXYE (NAPROXYE) COMITARITY WITH AMPROXYE (NAPROXYE) SODUMA) OR AMPROX2 OS (NAPROXYE SODUMA) SINCE Tely DN1 CROUNTARITY WITH AMPROXYE (NAPROXYE) SODUMA (DR AMPROXYE) Giver trenal decompensation. If this occurs, discontinue the drug Use with custion and monitor serum creatinine and/or creatinine (grance in patients with baseline creatinine and/or creatinine (grance in patients with baseline creatine and theres of any 2000 the patients with baseline

# Incidence of reported reaction 3%-9%. SINTEX

U.S. patent nos. 3,904,682, 3,998,966 and others. © 1991 Syntex Puerto Rico. Inc. Rev. 39 September 1990

# Pediatrics isn't just a bunch of kid stu

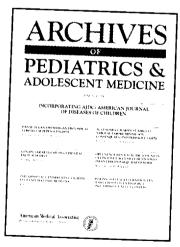
Pediatricians like you are responsible for a much broader range of patients these days. From the cradle all the way to college.

That's why AJDC will become the Archives of Pediatrics & Adolescent Medicine in January 1994.

Edited by Catherine DeAngelis, MD, Archives will be devoted to the entire spectrum of pediatric primary care, with special attention to adolescents.

A new, reader-friendly format helps you get the latest peer reviewed, primary source material more easily than ever before.

Watch for the Archives of Pediatrics & Adolescent Medicine. It's more than just kid stuff.



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Physicians dedicated to the health of America



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# **Shape Your Future**

at the Physicians' Forum on Health System Reform.

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October 22-24 in San Francisco

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November 19-21 in Philadelphia Now is the time for direct dialogue with members of the Administration and Congress. And now, the American Medical Association (AMA) brings you the *Physicians' Forum: Agenda for Action*, an unprecedented opportunity for every physician to interact with policy makers and help shape the way health care will be delivered.

**Speak face to face** with Congressional leaders, Presidential advisors and top Administration officials on the political pressures that will ultimately form health care policy. Help ensure that patients' needs remain the focus of reform. Hear governors and heads of state health departments describe how their states are preparing for a new national policy.

## The Physicians' Forum

series of conferences invites all physicians, not just AMA members, to join the dialogue on issues vital to their practices. Physicians, board members and officers of the AMA will come together to reach common ground.

Voice your concerns about the coming changes. Do not wait passively for those changes to be imposed without your input. The *Physicians' Forum* is the time and place to speak out and make an impact.

Your attendence is crucial. Call toll free 800 621-8335. Conference fee for meeting facilities and food service—AMA members \$50, nonmembers \$125. MasterCard, Visa, American Express, Optima are accepted.

American Medical Association Physicians dedicated to the health of America



**Once-A-Day** 



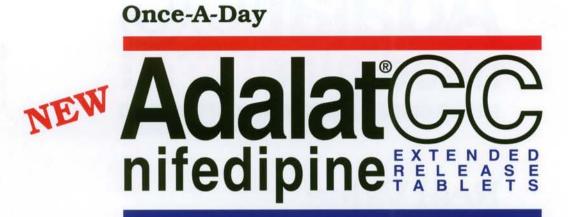
30mg, 60mg & 90mg

# Real Value for Real People with Hypertension

40LS

#### **Candidate Profile**

Name	Loretta D.
Age	63
Residence	Cleveland
Pretreatment BP	152/96
Marital Status	widowed
Health Ins	\$500 deductible,
	no Rx plan



30mg, 60mg & 90mg

# "Save as much as \$111 a year?

# Real Value to Meet the Needs of Hypertensive Patients

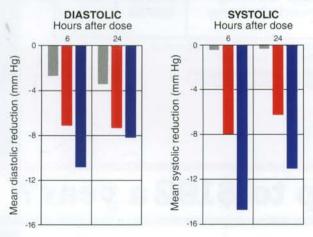
- **Real therapeutic value** to meet the need for efficacy and reliability
- **Real human value** to meet the need for tolerability and convenience
- **Real economic value** to meet the need for cost control and savings



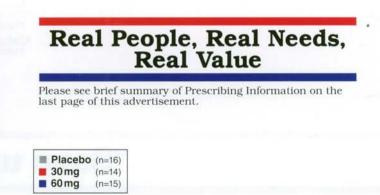
# That's two weeks' worth of groceries."

# **Real Therapeutic Value**

- The benefits of long-acting nifedipine
- Sustained blood pressure reduction over 24 hours
- Significant reduction in both diastolic and systolic blood pressure'



#### Mean changes from baseline in supine diastolic and systolic BP: average of 24-hour, in-clinic data from weeks 5 and 6 of therapy'



# Real Human Value in Antihypertensive Therapy

- Once-daily regimen could enhance compliance
- Long-acting nifedipine therapy that is well-tolerated
- Frequency and type of side effects are typical of dihydropyridine calcium channel blockers. 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%
- Contraindications: known hypersensitivity to nifedipine

# **Real Economic Value**

- •"The cost of therapy may be a barrier to controlling hypertension"<sup>2</sup>
- Adalat<sup>®</sup> CC is priced (AWP) 25% below the Average Wholesale Price of Procardia XL<sup>®\*†3</sup>
- Adalat<sup>®</sup> CC brings Cost Control to once-daily nifedipine therapy for hypertension; it is not indicated for angina
- Adalat<sup>®</sup> CC should be administered on an empty stomach
- Careful titration may be necessary when switching between Procardia XL<sup>®</sup> and Adalat<sup>®</sup> CC

#### Projected annual savingst per hypertensive patient

	Annualized Average Wholesale Price†	Potential Annual Patient Savings†
Adalat <sup>®</sup> CC 30 mg Procardia XL <sup>®</sup> 30 mg	<b>\$306.97</b> \$417.71	\$111
<b>Adalat<sup>◎</sup> CC 60 mg</b> Procardia XL <sup>®</sup> 60 mg	<b>\$531.08</b> \$722.74	\$192
Adalat® CC 90 mg Procardia XL® 90 mg	<b>\$650.54</b> \$867.35	\$217

Procardia XL is a registered trademark of Pfizer Labs Division, Pfizer Inc.

<sup>†</sup>Calculations based on suggested Average Wholesale Price (AWP).<sup>3</sup>

# "Save up to \$192 a year?

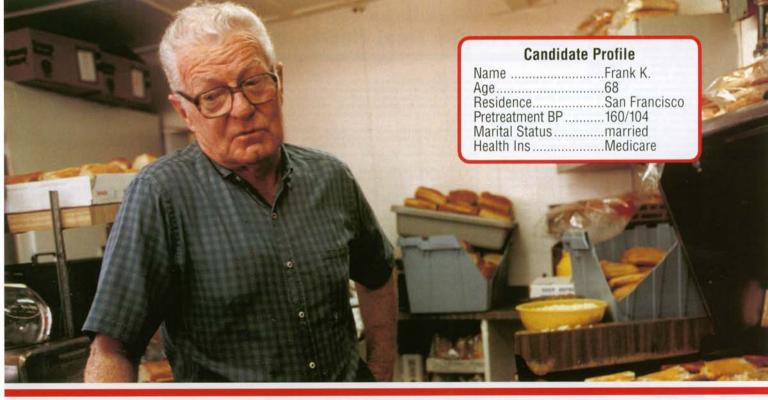
**Once-A-Day** 



30mg, 60mg & 90mg

# Real People, Real Needs, Real Value

Please see brief summary of Prescribing Information on the last page of this advertisement.



# That's a few months' gas and electric."





- The benefits of long-acting nifedipine therapy for hypertension
- Convenient, well-tolerated therapy
- Lower price (AWP) than Procardia XL<sup>®</sup> 30 mg, 60 mg and 90 mg—potential 25% savings<sup>+3</sup>

5/93

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

PZ10074485

INDICATION AND USAGE: ADALAT CC is indicated for the treatment of hyperten sion. It may be used alone or in combination with other antihypertensive agents.

INDICATION AND USAGE: ADALAT CC is indicated for the treatment of hyperten-sion. It may be used alone or in combination with other antihypertensive agents. CONTRAINDICATIONS: Known hypersensitivity to nifedipine. WARNINGS: Excessive Hypetension: Although in most patients the hypotensive effect of intidipine is modest and well tolerated, accasional patients have had excessive and poorly tolerated hypotension. These responses have usually accurred during initial titration or at the time of subsequent upward dosage adjustment, and may be more likely in patients using concomitant beta-foldcers. Severe hypotension and/or increased fluid volume requirements have been reported in patients who received immediate release capules together with a beta-foldcer, and who underwent coronary artery bypass surgery using high dose fentaryl anesthe-sia. The interaction with high dose fentaryl appears to be due to the combination of infectipine and a beta-foldcer, but the possibility that it may occur with nifedipine alone, with low doses of fentaryl, in other surgical procedures, or with other narcotic anal-gesics cannot be ruled out. In nifedipine-treat-ed patients where surgery using high dose fentaryl anesthesia is contemplated, the physician should be aware of these potential problems and, if the patient's condition per-mits, utificatine time (al least's 6 hours) should. Interested Angina and/or Myocardial Interction: Rarely, patients, particularly those who have severe obstructive coronary artery disease, have developed well docu-mented increased frequency, duration and/or seventy of angina ar acute myoarding there is not established. Beta-Blocker Withdrawalt: When discontinuing a beta-blocker it is important to they it dose, if possible, rather than stopping abruptly before beginning nifedipine.

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 nifetipine. Patients recently withdrawn from beta blockers may develop a withdrawal syndrome with increased angina, probably related to increased sensitivity to catecholamines. Initiation of nitedipine restantem will not prevent this occurrence and on occasion has been reported to increase it. Congestive Heart Failure: Rarely, patients (usually while receiving a beta-blocker) have developed heart failure after beginning nifedipine. Patients with hight ooric sten-sis may be a greater risk for such an event, as the unloading effect of nifedipine would be expected to be of less benefit to these patients, owing to their fixed impedance to flow across the aartic valve.

There across the partic varies. PRECAUTIONS: General - Hypotension: Because nifedipine decreases peripheral vascular resistance, careful monitoring of blood pressure during the initial administra-tion and ittration of ADALAI CC is suggested. Close observation is especially recommend-ed for patients already taking medications that are known to lower blood pressure (See WARNINGS).

ed for patients already taking medications that are known to lower blood pressure (See WARNINGS). Peripheral Edema: Mild to moderate peripheral edemo occurs in a doss-dependent manner with ADALAT CC. The placebo subtracted rate is approximately 8% at 30 mg, 12% of 60 mg and 19% at 90 mg daily. This edemo is a localized phenomenon, thought to be associated with vasadilation of dependent arterioles and small blood vessels and not due to left ventricular dystunction or generalized fluid retention. With patients whose hypertension is complicated by congestive heart failure, care should be taken to differ-entiate this peripheral edemo from the effects of increasing left ventricular dystunction. Information for Patients: ADALAT CC is an extended release tablet and should be swallowed whole and taken on an empty stomach. It should not be administered with food. Do not cosils tablets: Laboratory Tests: Rare, usually transient, but occosionally significant elevations of enzymes such os alcknine phosphatose; CPK, DH, SGOT, and SGPT have been noted. The relationship to infieliptie therapy is uncertain in most cases, but probable in some, these loboratory abnormalities have rarely been associated with clinical symptoms; however, cholestasis with or without joundice has been reported. A small increase (<5%) in mean alkaline phosphatose; CPK, DH, SGOT, and SGPT have been hand range. Rare instances of allergic hepatitis have so noted in patients treated with ADALAT CC This was an isolated finding and it rarely resulted in values which fail outside the normal range. Rare instances of allergic hepatitis have been reported with infieliptine treatment, neatroles, ADALAT CC did not adversely affect serum unic coid, glucose, cho-lesterol or potassium.

In controlled studies, ADALATCC did not adversely affect serum uric acid, glucose, cho-lesteral or potassium. Mindiapine, 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 platelst membrane. No clinical significance for these findings has been demonstrated. Positive direct Combrs' test with ar without hemolytic anemia has been reported but a causal relationship between nifedipine 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 coses, rare reversible elevations in BUN and serum creatinine have been reported in patients with pre-existing chronic renal insufficiency. The relationship to nifedipine herapy is uncertain in most coses but robable in sor

rend insufticiency. The relationship to nitedipine therapy is uncertain in most cases our probable in some. **Drug Interactions:** Beto-adrenergic blocking agents: (See WARNINGS). ADALAT (C was well tolerated when administered in combination with a beta blocker in 187 hypetnessive patients in a placebo-controlled clinical tricl. However, there have been accasional literature reports suggesting that the combination of nitedipine and beto-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 rare reports of increased prothrombin time in patients taking commarius naticagulants to whom mitedipine was administered. Quandinia: There have been rare reports of increased prothrombin time in patients taking commarius naticagulants to whom mitedipine was administered. Quindine: There have been rare reports of an interaction between digine mitedipine (with a decreased plasma level of quindine).

**Real People, Real Needs, Real Value** 

Body as a Whole/Systemic: chest pain, leg pain Central Nervous System: paresthesia, vertigo Dermatologic: rash Gastrointestinal: constipation Musculoskeletal: leg cramps Respiratory: epistaxis, rhinitis Urogenital: impo-

Start with\*

paresthesia, vertigo Dermatere Musculoskeletal: leg cramps Respiratory: epistaxis, minima avagent tence, urinary frequency Other adverse events reported with an incidence of less than 1.0% were: Body as a Whole Systemic cellulitis, chills, tacidi edema, neck pain, pelvic pain, pain Cardiovescular: a trial fibrillation, bradyaradia, cardiac arrest, extrasystole, hypotension, palpitations, phelaits, postural hypotension, tachycardia, cutaneous ang-iectoses: Central Nervous System: anxiety, cantusia, decreased hildo, depression, hypertonia, insomnia, somnolence Dermatologic: purpladenpeneting Gestrointestinal hermorkage, vomiling Hematologic: lymphadenopathy Metabolic: gout, weight loss Musculoskeletal: arthrolia, arthritis, myalgia Respiratory: dyspnea, increased cough, roles, pharvngtis: Special Senses: abnor-mal vision, amblyopia, conjunctivitis, diplopia, tinnitus Urogenital/Reproductive: kidney calculus, noturia, breast engargement The following adverse events have been reported rarely in patients given nifedipine in other formulations: allergenic hepotitis, loepecia, anemia, arthritis, with ANA (+), depression, leukopenia, mood changes, muscle cramps, nervousness, paranoid syndrome, mastia, leukopenia, mood changes, muscle cramps, nervousness, paranoid syndrome, purpure, shokiness, ideep disturbances, syn-cope, taste pervension, thrombocytopenia, terenet blindness at the peak plasma level.

cope, taste perversion, thrombocytope transient blindness at the peak plasma k tremor and urticaria

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 sytochrome P-450, the enzyme system probably responsible for the inst-pass metabolism of nifedipine. If nifedipine therapy is initiated in a patient currently receiving cimetidine, cautious litta-tion is noticed.

tion is advised. non a avvisea. Carcinegenesis, Mutagenesis, Impairment of Fertility: Nifedipine was adminis-tered orally to rats for two years and was not shown to be carcinogenic. When given to rats prior to mating, nifedipine caused reduced fertility at 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 embryotoxic, placentoxic and fetactoxic effects, includ-ing stunted fetuses (rats, mice and rabbits), digital anomalies (rats and rabbits), rib deformities (mice), deft patite (mice), small placentos and underdeveloped chronicu villi (monkeys), embryonic and fetal deaths (rats, mice and rabbits), prolonged pregnancy (rats, not evaluated in other species), and decreased neonatal survival (rats, not evalua-de in other species). On a mg/kg or mg/m<sup>2</sup> basis, some of the doses associated with these various effects are higher than the maximum recommended human dose and some are lower, but all are within an order of magnitude of it. The digital anomalies seen in infedipine-exposed rabbit pugs are strikingly similar to those seen in pugs exposed to phenytoin, and these are in turn similar to the pha-langed deformities that are the most common molformation seen in human children with *in utero exposure* to phenytoin.

with in uter 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

reus. Nursing Mothers: Nifedipine 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.

be made to discominue nursing or to discominue the arug, taking into account the importance of the drug to the moher. **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-con-trolled clinical tribs in 370 hypertensive patients. Attendol 50 mg one daily was used concomitantly in 187 of the 370 patients on ADALAT CC and in 64 of the 126 patients on placebo. All adverse event reported during ADALAT CC to 30 mg daily. 22% on ADALAT CC 50 mg daily and 29% on ADALAT CC 50 mg daily. 22% on ADALAT CC 60 mg daily and 29% on ADALAT CC 90 mg daily versus 10% on placebo. Other common adverse events reported with ADALAT SC 00 mg daily. 22% on ADALAT CC 60 mg daily and 29% on ADALAT CC 90 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 4% placebo incidence). Dizziness (4%, versus 2% placebo incidence): Constipation (1%, versus 0% placebo incidence). Where the frequency of adverse events with ADALAT CC and placebo is similar, causal relationship conto the stabilished. The following adverse events were reported with an incidence of 3% or less in daily doses up to 90 mg:

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## References: 1. Data on file. Miles Inc.

2. The Fifth Report of the Joint National Committee on Detection, Evaluation, and Treatment of High Blood Pressure (JNC V). Arch Intern Med. 1/25/1993;153:154-183. **3.** Redbook Update. Oradell, NJ, Medical Economics Co.,

March 1993;p. 32.

"Calculations based on suggested Average Wholesale Price (AWP). Procardia XL is a registered trademark of Pfizer Labs Division, Pfizer Inc.



Pharmaceutical Division

Distributed by Miles Inc. Pharmaceutical Division 400 Morgan Lane West Haven, CT 06516 USA Made in Germany

Titrate, if necessary\*

R R Adalat CC Adalat CC 30mg once daily 60mg once daily

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

(M. NUECHON/TABLETS (FOR FULL PRESCRIBING INFORMATION, SEE PACKAGE INSERT.) INDICATIONS AND USAGE "Hypothemian: TENORMIN is indicated in the management of hypertension. It may be used alone or concomitanity with other anthypertensive agents, particularly with a thiazide-type diuretic. Anging Factoris Due to Conserva Athomoscienos: TENORMIN is indicated for the long-term management of patients with angina pectoris. Acute Myocardial Infarction TENORMIN is indicated in the management of hemodynamically stable patients with angina pectoris. Acute Myocardial Infarction TENORMIN is indicated in the management of hemodynamically stable patients with angina pectors. Acute Myocardial Infarction TENORMIN is indicated in the management of hemodynamically stable patients with officine or suspected acute myocardial Infarction treation mortality. TERMENT can be infared as soon as the patient's climical condition allows. (See DOSAGE AND ADMINISTRATION, CONTRAINDICATIONS, and WARNINGS.) In general, there is no basis for heave other reasons to avoid beta blockade. As noted above, some subgroups (eg, elderly patients with systolic blood pressure below 120 mm Hg) semel dess. Tikely to benefit.

reasons to avoid beta blockade. As noted above, some subgroups (eg, elderly patients with systolic blood pressure below 120 mm Hg) seemed less likely to benefit. CONTRANNOLATIONS: TENORMIN's contraindicated in sinus bradycardia, heart block greater than first degree, cardiogenic shock, and over t cardia carliner. See WARNINGS). WARNINGS: Cardiac Fallure: Sympathetic stimulation is necessary in supporting circulatory function in congestive heart failure can be beta blockade carries the potential hazard of further depressing myocardial contractility and precipitaling more severe failure. In patients who have congetive heart failure controlled by digitals and/or direction. TENORMIN should be administered cautiously. Both digitalis and ateroid slow AV conduction. In patients with acute myocardial infarction, cardiac failure which is not promptly and effectively controlled by 80 mg of intravenous furosemide or equivalent therapy is a contraindication to beta-blocker treatment. In Patients Without a History O Cardiac Failure. Continued depression of the myocardium with beta-blocking agents over a period of times and, in some cases, lead to cardiac tailure. Atthe first sign or symptom of impending cardiac failure, patients should be fully digitalized and/or be given a divertic and the response observed closely. It cardiac failure continues despite adequate digitalization and diversis. TENORMIN should be withfrawn. (See DOSAGE AND ADMINISTRATION.)

Cessation of Therapy with TENORMIN: Patients with coronary artery disease, who are being treated with TENORMIN, should be advised Cession of inerapy with TENCHMER states with coronary arery disease, who are being treated with TENCHMER, slowlo be auvised against abrupt discontinuation of therapy. Severe exacerbation of angina and the occurrence of nyocardial inflarction and wenthicular arrhythmias have been reported in angina patients following the abrupt discontinuation of therapy with beta blockers. The last two complications may occur with or without preceding exacerbation of the angina pectoris. As with other beta blockers, whend discontinuation of TENORMIN is planned, the patients should be carefully observed and advised to limit physical activity to a minimum. If the angina worsens or acute coronary insufficiency develops, it is recommended that TENORMIN be prudent not to discontinue TENORMIN therapy abruptly even in patients treated only for hypertension; (See DOSAGE AND ADMINISTRATION.)

Notes to addite Contrary institution of version, it is not interesting to the product of the control of control of control of the control of

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		nteered (tudies)	Total - Volunteered and Elicited (Foreign + US Studies)		
	Atenolol (n = 164) %	Placebo (n = 206) %	Atenolol (n = 399) %	Placebo (n = 407) %	
CARDIOVASCULAR					
Bradycardia	3	0	3	0	
Cold Extremities	0	0.5	12	5	
Postural Hypotension	2	1	4	5	
Leg Pain	0	0.5	3	1	
CENTRAL NERVOUS SYSTEM/ NEUROMUSCULAR					
Dizziness	4	1	13	6	
Vertigo	2	0.5	2	0.2	
Light-headedness	1	0	3	0.7	
Tiredness	0.6	0.5	26	13	
Fatigue	3	1	6	5	
Lethargy	1	0	3	0.7	
Drowsiness	0.6	0	2	0.5	
Depression	0.6	0.5	12	9	
Dreaming	0	0	3	1	
GASTROINTESTINAL					
Diarrhea	2	0	3	2	
Nausea	4	1	3	1	
RESPIRATORY (see WARNINGS)					
Wheeziness	0	0	3	3	

Dypression 4 by the set of the se

TENORMIN\* (atenoloi)25, 50, 100 mg tablets

In a study of 477 patients, the following adverse events were reported during either intravenous and/or oral atencial administration:

					recen
		rentional lerapy		entional erapy	seque follow
	Plus	Atenolol	A	lione	
	(n	=244)	(n:	=233)	
Bradycardia	43	(18%)	24	(10%)	
Hypotension	60	(25%)	34	(15%)	
Bronchospasm	3	(1.2%)	2	(0.9%)	1
Heart Failure	46	(19%)	56	(24%)	Нуро
Heart Block	11	(4.5%)	10	(4.3%)	Cardi
BBB + Maior		,		• •	Reinf
Axis Deviation	16	(6.6%)	28	(12%)	Cardi
Supraventricular Tachycardia	28	(11.5%)	45	(19%)	Heart
Atrial Fibrillation	12	(5%)	29	(11%)	Cardi
Atrial Flutter	4	(1.6%)	7	(3%)	Arrhy
Ventricular Tachycardia	39	(16%)	52	(22%)	Brone
Cardiac Reinfarction	0	(0%)	6	(2.6%)	*Full
Total Cardiac Arrests	4	(1.6%)	16	(6.9%)	but m
Nonfatal Cardiac Arrests	0 4 4 7 1	(1.6%)	12	(5.1%)	
Deaths	7	(2.9%)	16	(6.9%)	Du
Cardiogenic Shock	1	(0.4%)	4	(1.7%)	have
Development of Ventricular					eleva
Septal Defect	0	(0%)	2	(0.9%)	Peyro
Development of Mitral					purpu
Regurgitation	0	(0%)	2	(0.9%)	like o
Renal Failure	1	(0.4%)	0	(0%)	of an
Pulmonary Emboli	3	(1.2%)	0	(0%)	

In the subsequent International Study of Infarct Survival (ISIS-1) including over 16,000 patients of whom 8,037 were randomized to receive TENORMIN treatment, the dosage of intravenous and sub-sequent oral TENORMIN was either discontinued or reduced for the

winn reasons

	Redu	Atenolol ced Dose 5mg)*		Partial Jose
Hypotension/Bradycardia	105	(1.3%)	1168	(14.5%)
Cardiogenic Shock	4	(.04%)	35	(.44%)
Reinfarction	0	(0%)	5	(.06%)
Cardiac Arrest	5	(.06%)	28	í.34%)
Heart Block (> first degree)	5	(.06%)	143	(1.7%)
Cardiac Failure	1	(.01%)	233	(2.9%)
Arrhythmias	3	(.04%)	22	
Bronchospasm	Ĩ	(.01%)	50	(.62%)

uring ostimativeling experience with TENORMIN, the following been reported in temporal relationship to the use of the drug; ated liver enzymes and/or bilirubin, headache, impotence, onie's disease, positasiform rash or exacehation of pooriasis, pura, reversible alopecia, and thrombocrybopenia. TENORMIN, other beta blockers, has been associated with the development thinuclear antibodies (ANA) and lupus syndrome.

POTENTIAL ADVERSE EFFECTS: In addition, a variety of adverse effects have been reported with other beta-adrenergic blocking agents, and may be considered potential adverse effects of TENORMIN.

Purceinal Automas Certacias in adulting, a valiety on adverse energy and even service have been reported with other bear-autometry to locking agents, and may be considered potential deverse effects of TRORMIN. Hematlagit: Agranulocytosis Altergit: Every, combined with aching and sore throat, laryngospasm, and respiratory distress. Central Nervess Synthm: Reversible mental depression progressing to catatoma; visual disturbances; haltucinations; an acute reversible syndhome characterized by disorientation of time and back, short-term memory loss; emotional lability with slightly clouded sensorum, and, decreased performance on neuropsychometrics. Easteruintating: Mesenter a laterial thromotosis, schemic colitis.

Series Unit, and, decleased periodinative in neuropsycholines as Bastrolinatal. Mesonetics as fragmands pheromenon. Miscalineases: There have been reports of shin rashes and/or dry eyes associated with the use of beta-adrenergic blocking drugs. The reported incidence is shall, and in most tases, the symptoms have cleared when treatment was withdrawn. Discontinuance of the drug should be consistent of any such reaction is not therwise explicated. Patients should be closely monitored following cessation of therapy. (SEE DOSAGE AND ADMINISTRATION.) The occimicnucotaneous synthme associated with the beta blocker practolo has not been reported with TENORMIN Furthermore, a number of patients who had previously demonstrated established practolo in ractions were transferred to TENORMIN Furthermore, a number of patients who had previously demonstrated established practolo in ractions were transferred to TENORMIN Furthermore, a number of patients who had previously demonstrated established practolo in ractions were transferred to TENORMIN therapy with an ann who may have taken as much as 10 g azoth). The predominant symptoms reported inlowing TENORMIN overdose are lethargy, disorder of respiratory drive, wheezing, sinus pause, and bradycardia. Additionally, coverdose are compassion and/or hypoglycemia. Treatment of overdoes enough to directed to the removal of any unabsorbed drug by induced emests, patric kayae, or administration of advitated charcant. TENORMIN can be removed from the general circulation by hemoidawis. Other treatment modalities should be employed at the by physican's discretion and may include:

ol activated charcoal. TENORMIN can be removed from the general circulation by hemodialysis. Other treatment modalities should be employed at the physician's discretion and may include. BRAPOYCARDIA: Atropine intravenously. If there is no response to vagal blockade, give isoproterenol cautiously. In refractory cases, a transvenous cardiac pacemaker may be indicated. HEATT ELOCK (SECOND OR THIRD DEGREE): teoproterenol or transvenous cardiac pacemaker. CARDIAC FAILURE: Digitalize the patient and administer a diuretic. Glucagon has been reported to be useful. HYPOTE NSION Vasopressors such as dopamine or noreprine/third (evaraerenol). Monitor blood pressure continuously. BRONCHOSPASM: A beta, stimulant such as isoproterenol or terbutaline and/or aminophylline. HYPOGI, NCHMI: Intravenous glucose. Based on the severity of symptoms, management may require intensive support care and facilities for applying cardiac and respiratory support. **DOSAGE AND ADMINISTRATION: Hypertension:** The initial dose of TENORMIN is 50 mg given as one tablet a day either alone or added to diuretic theray. The full effect of this dose will usually be seen within one to two evers. If an optimal response is not achieved, the dosage should be increased to TENORMIN 100 mg given as one tablet a day. Lincreasing the dosage beyond 100 mg a day is unlikely to produce any further benefit.

TENORMIN may be used alone or concomitantly with other antihypertensive agents including thiazide-type diuretics, hydralazine,

should be increased to TENORMIN 100 mg uven as one tablet a day. Increasing the dosage beyond 100 mg a day is unikkely to produce any further benefit.
TENORMIN may be used alone or concomitantly with other antihypertensive agents including thiazide-type diuretics. hydralazine, prazosin, and alpha-methylogo.
Angina Pectoris: The initial dose of TENORMIN is S0 mg given as one tablet a day. If an optimal response is not achieved within one week, the dosege should be increased to TENORMIN 100 mg given as one tablet a day. Some patients may require a dosage of 200 mg once a day for optimal effect.
Twenty-four hour control with once daily dosing is achieved by giving doses larger than necessary to achieve an immediate maximum effect. The maximum early effect on exercise tolerance occurs with doses of 50 to 100 mg, but at these doses the effect at 24 hours is attenuated, averaging about 25% to 75% of that observed with once a day oral doses of 200 mg. Ande Mycaerdia Infarction. In patients with definite or suspected acute myocardial infarction, treatment with TENORMIN I.V. Injection should be initiated as soon as possible after the patient's arrival in the hospital and faret elipibility is established. Such treatment should begin with the intravenous administration of 5 mg TCRMIN I.V. Injection Detrosen lepterion USP, Soduum Chloride Injection USP, os Colum Chloride and Decrose injection may be used. These admixtures are stable for 48 hours it they are not used immediately. In patients with to lentrate the ult intravenous dose (10 mg). TLONGMIN Tablets 50 mg should be initiated 10 minutes after the base and no user they are not used immediately. In patients with to lentrate the 5-9 days or unit discharge from the hospital. It braycardia or hypotension requiring treatment or any of 50 mg brice day for a turker 5-9 days or unit discharge from the hospital. It bray are not used immediately. The totem should be discontinued the starsen days (10 the VI dosmis excluded). Autowy the demonstration of efficavy OT

o other causes:		
Creatinine Clearance	Atenolol Elimination Half-Life	
(mL/min/1.73m <sup>2</sup> )	(h)	Maximum Dosage
15-35	16-27	50 mg daily
<15	>27	25 mn daily

<15 >>2/2 Some renally-impaired or elderly patients being treated for hyperension may require a lower starting dose of TENORMIN: 25 mg given as one tablet a day. If this 25 mg dose is used, assessment of efficacy must be made carefully. This should include measurement of blood pressure its provide the treated to reade user that the treatment effect is present for a full 24 hours. Although a similar dosage reduction may be considered for elderly and/or renally-impaired patients being treated for indications other than hypertension, data are not available for these patient populations. Patients on hemodialysis should be given 25 mg or 50 mg after each dialysis; this should be done under hospital supervision as marked

fails in blood pressure can occur. tails in pixelog pressure can occur. Cessation of Therapy in Patients with Angina Pactoris: If withdrawal of TENORMIN therapy is planned, it should be achieved gradually and patients should be carefully observed and advised to limit physical activity to a minimum. Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration, whenever solution and carefular careful.

and container permit HOW SUPPLIED

HOW SUPPLED TEXNORMIN The black: Tablets of 25 mg atenoiol, NDC 0310-0107 (round, flat, uncoated white tablets with "T" debossed on one side and 107 debossed on the other side) are supplied in bottles of 100 tablets. Tablets of 50 mg atenoiol, NDC 0310-0105 (round, flat, uncoated white tablets identified with ICI debossed on one side and 105 debossed on the other side, bisected) are supplied in bottles of 100 tablets and 1000 tablets, and unit dose packages of 100 tablets. Tablets of 50 mg atenoiol, NDC 0310-0105 (round, flat, uncoated white tablets with ICI debossed on one side and 105 tablets are distributed by ICI Pharma. Tablets of 100 mg atenoiol, NDC 0310-0105 (round, flat, uncoated white tablets with ICI debossed on one side and 101 debossed on ther side) are supplied in bottles of 100 tablets and unit dose packages of 100 tablets. These tablets are distributed by ICI Pharma. Store at controlled from temperature, 15°-30 °C (59°-85 °F). Dispense in well-closed, light resistant containers.

**TENORMIN I.V. Injection** IERUCHMINE I.Y. Injection. TENORMIN I.V. Injection. NDC 0310-0108, is supplied as 5 mg atenolol in 10 mL ampules of isotonic citrate-buffered aqueous solution. Protect from light. Keep ampules in outer packaging until time of use. Store at room temperature.

**BEV Y 03/92** 



# WHY CONSIDER TENORMIN BEFORE ALL OTHER BETA BLOCKERS?

- Convenient, once-daily dosing for all indications
- V Effective control of blood pressure and angina
- Cardioprotection—improving survival during and after MI<sup>1,2\*</sup>
- V Well-tolerated



Good clinical judgment suggests that patients who are dependent on sympathetic stimulation for adequate cardiac output and BP are not good candidates for beta blockade. In addition to patients excluded from the ISIS-1 study, those with borderline BP (ie, systolic < 120, especially if over age 60) are less likely to benefit. References: 1. ISIS-1 (First International Study of Infarct Survival) Collaborative Group. Randomised trial of intravenous atenoiol among 16 027 cases of suspected acute myocardial infarction: ISIS-1. (ISIS-1 (First International Study of Infarct Survival) Collaborative Group. Randomised trial of intravenous atenoiol among 16 027 cases of suspected acute myocardial infarction: ISIS-1. Lancet. 1986;2:57-66. 2. Glamann DB, Lange RA, Hillis LD. Beneficial effect of long-term beta blockade after acute myocardial infarction in patients without anterograde flow in the infarct artery. Am J Cardiol. 1991;68:150-154.

See adjacent page for brief summary of prescribing information.

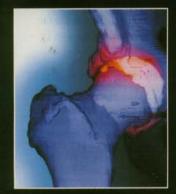
# FOR CHR EXPECT



REDUCTION IN MORNING STIFFNESS

Color-enhanced 3-D CT images and MRI supplied by David W. Stoller, MD, of California Advanced Imaging.

# ONIC ARTHRITIS NOTHING LESS







REDUCTION IN JOINT PAIN AND TENDERNESS

INCREASED RANGE OF MOTION

# FAVORABLE SAFETY PROFILE

As with other NSAIDs, the most frequent complaints are gastrointestinal, and rare hepatic and renal reactions have been reported.

Please see brief summary of prescribing information on adjacent page.

EXPECT SUCCESS FROM NAPROSYN<sup>®</sup> (NAPROXEN) 500 mg tablets Also available in 375 and 250 mg tablets and in suspension 125 mg/5 mL

SYNTEX

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# NAPROSYN

NAPROXEN) 500 mg tablets

(NAPROXEN) 500 mg tablets Brief Summary: Contraindications: Patients who have had allergic reactions to NAPROSYN, ANAPROX or ANAPROX DS or in whom aspirin or other NSAIDS induce the syndrome of astrim, rhinitis, and nasal polyps. Because anaphylactic reactions usually occur in patients with a history of such reactions, question patients for astrima, nasal polyps, urticaria, and hypotension associated with NSAIDs before starting therapy. If such symptoms occur, discontinue the drug, 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, symp-tomatic 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 one year. Inform patients about the signs and/or symptoms of serious GI loxicity 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 precased risk. Elerly or debilitated patients seem to tolerate ulceration or bleeding less will than others and most spontaneous reports of fata GI events are inticoputed in the sopulation or pate of relatively large doses (within the recom-mended dosae range). sufficient benefit should be anticinated to been associated with increased risk. Elgerly or debilitated patients seem to tolerate uiceration 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. **Precaulions:** DO NOT GIVE **MAPROXYN** (MAPROXEN) CONCOMITANTLY WITH **ANAPROXY** (MAPROXEN SODIUM) OR **AMAPROX** (MAPROXEN SODIUM) GR **AMAPROX** (MAPROXEN SODIUM) GR **AMAPROX** (MAPROXEN SODIUM) SINCE THEY BOTH CIRCULATE IN PLASMA AS THE NAPROXEN ANNON Acute interstilial nephritis with hematican, patients taking diuredics, and the elderly are at greater risk of overt renal decompensation. If this occurs, discontinue the drug. Use with caution in patients with bisginificantly imparted renal function. Lise caution in patients with bisginificantly imparted renal function. Use the elderly are at greater risk of maximum with baseline creatinine cadro creating calonic relating advective dose in the elderly or in patients with significantly imparted renal function. Use caution in patients with significantly imparted renal function. Sever hepatic reactionse i calonolic liver tests may occur in up to 15% of patients. They may progress, remain unchanged, or be transient with continued therapy. Elevations of SGPT or SGOT occurred in controlled Clinical trials in less than 1% of patients. Severe hepatic reactors. including iaundice and fatal hepatitis, have been reported marely. Elevation of arthritis symptoms. Determine hemolobin values periodically for patients with fluid retention, patients with initial values of 10 grams or less who receive long-term therapy. Prepheral density with restricted sodium intake, note that the suspension contains 8 may receive and signancial insufficiency and exacerbation of arthritis symptoms. Determine hemolobin values periodication enders, with fluid retention, hypertension or heart failure. The drugs antipyretic duct ophthalmic studies if any change or disturbance in vision occurs. For patients with restricted sodium indexe, note that the supersion contains 8 my/mL of sodium. Information for Patients: Side effects, such as G1 bideding, which may result in hospitalization and even fatal outcomes. Physicians may wish to discuss with patients the potential risks and likely benefits of NSAID treatment, particularly when they are used for less serious conditions where treatment without NSAIDs may be an acceptable alternative. Patients should use caution for activities requiring alternass if they experience drowsiness, diziness, vertion or depression during therapy. Laboratory Test: Because serious G1 tract ulceration and bleeding can occur without warning symptoms of these and inform them of the importance of this follow-up my linteractions: Use caution when giving concomitantly with coumarn-type anticoagulants; a hydantoin, sulton-amide or sulfonyturea. Furosemide: Inhium: beta-blockers; probenecid; or methotrexate. Drug/Laboratory Test Interactions: The drug may interfere with urinary assays of SHIAA. Carcingenies: A 2-year 1s tudy, showed no evidence of carcino-genicity. Prognancy: Category B. Do not use during prepnacy: uniess clearly needed. Avoid use during late pregnancy. Mursing Moters: Avoid use in nursing mothers. Patiatrie Use: Single doses of 2.5.5 mg/kg, with total daily dose not exceeding 15 mg/kg/day. are sate in children ower 2 years of age. Adversa Needeling: In a study, G1 reactions were more frequent and Severe in theurant admitties in abut the same, and other reactions less frequent than in adults. Incicience Grater Than 1%, Probable Causal Relationship; G1 abut the same, and other reactions less frequent than in adults. Incicience Grater Than 1%, Probable Causal Relationship; G1 abut the same, and other reactions eses: tinnius; heard of yophice, series, early ophice, it chind (g1 carcitons were more frequent ad severe in theurant adverse more frequent, G1 and CNS reactions, eaphicitic cognater than 1%,

Incidence of reported reaction 3%-9%. SYNTEX U.S. patent nos. 3,904,682, 3,998,966 and others. © 1991 Syntex Puerto Rico, Inc. Rev. 39 Rev. 39 September 1990

1993 **Depression in the Elderly** 

Sponsored by: American Medical Association supported by a grant from the National Institute of Mental Health D/ART Program

# **Recognizing and Treating Depression** in the Elderly

The recognition of depression may be more difficult in late compared with early life. In the elderly age group, both clinicians and patients may incorrectly attribute depressive symptoms to the aging process. Estimates of depression in elderly people vary widely; however, there is a consensus that the size of the problem is underestimated. Furthermore, victims of depression, generally are not seen by mental health professionals.

Major depressive episodes require treatment in all age groups, including the elderly. All depressions negatively affect quality of life and are associated with increased risk of comorbid medical illnesses and suicide. They are not "normal and acceptable" features of aging and warrant early attention by physicians.

Families and primary care physicians remain at the front line in recognizing depression and facilitating patient access to professional help.

### Three Regional Workshops are being offered to you at no cost.

The American Medical Association, through a grant from the National Institute of Mental Health, will present 3 regional workshops on the "Recognition and Treatment of Depression in the Elderly". They have been scheduled in regions having a high density of elderly in their populations. The workshops will discuss:

- depression in late life vs. earlier life
- diagnosis of depression
- risk factors for depression
- epidemiology of depression
- differentiation of depression from other psychiatric illnesses including dementia
- · what to look for and how to evaluate suicide potential
- · treatment, including psychotherapies (individual, family and group), pharmacotherapies, electroconvulsive therapy
- prognosis
- preventing relapses

Clinical vignettes will be presented and will be the focus for discussion.

### Who Should Attend

Primary care physicians, including family and general practitioners, internists, geriatricians, Ob/Gyn as well as other allied health professionals caring for the elderly.

## CME Credit!

The American Medical Association is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education for physicians.

The AMA designates this continuing medical education activity for 5 hours of Category 1 credit toward the Physician's Recognition Award of the American Medical Association.

### Workshop Dates and Locations:

<ul> <li>October 16, 1993</li> </ul>	• November 6, 1993
<b>Cedars Medical Center</b>	Iowa Lutheran Hospital
Miami, Florida	Des Moines, Iowa

 November 13, 1993 **Tucson Medical Center** Tucson, Arizona

For additional information or to register, please call or write: Department of Mental Health American Medical Association 515 N. State Street Chicago, IL 60610 (312) 464-5066

# 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**

Because it works fast.<sup>1</sup>

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**

Because it works well.<sup>1</sup> Because it is nonsedating.

MIGRAINE RELIEF THAT CAN CHANGE PATIENTS' LIVES



UBCUTANEOUS

#### Imitrex<sup>™</sup>(sumatriptan succinate) Injection For Subcutaneous Use Only.

The following is a brief summary only. Before prescribing, see complete prescribing information in Imitrex<sup>™</sup> 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 intravenously because of its potential to cause coronary vasospasm.

For similar reasons, Imitrex Injection should not be given subcutaneously to patients with ischemic heart disease (angina poctoris, 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 hypertensio

Imitrex Injection should not be used concomitantly with ergotamine-containing preparations. Imitrex Injection is contraindicated in patients with hypersensitivity

to sumatrintan

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

Cardiac Events/Coronary Constriction: Serious coronary events following Imitrex Injection can occur but are extremely rare; nonetheless, consideration should be given to administering the first dose of Imitrex Injection in the physician's office to patients in whom unrecognized coronary disease is comparatively likely (postmenopausal 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, ectrocardiographic (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 consistent 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

patients with diseases that thay alter the austripholi, intraduction, or excretion of dirugs, such as impaired hepatic or renal function. Although written instructions are supplied with the autoinjector, patients who are advised to sell-administer limitrex 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 for natients

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 ret-rospective 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 Imitrex 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 may be additive, use of ergotamine and sumatriptan within 24 hours of each other should be avoided (see CONTRAINDICATIONS). Drug/aboratory 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 IMX44.5RO

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 bryolethal in rabbits when given in daily doses producing plasma levels 3-fold higher than tables mere following a 6-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 should be considered

Embryolethality: When given intravenously to pregnant rabbits daily throughout the period of organogenesis, sumatriptan caused embyolethality at doses at or close to those producing maternai 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 subcutaneou 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 Unitrex Injection to a pursing 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<sup>T</sup>

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 limitrex 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, placebocontrolled 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:

	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	
Ear, nose, and throat			
Throat discomfort	3.3	0.5	
Discomfort: nasal cavity/sinuses	2.2	0.3	

	Percent of Patients Reporting	
	Imitrex Injection 6 mg SC	Placebo
Adverse Event Type	n=547	n=370
Eye		
Vision alterations	1.1	0.0
Gastrointestinal		
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	0.8
Skin		
Sweating	1.6	1.1

The sum of the percentages cited are 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 frequency 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: Integrating to that in 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,

relaxation, chills, sensation of lightness, tremor, shivering, disturbances of taste, prickling sensations, paresthesia, stinging sensations, headaches, facial pain, photophobia, and lachrymation. 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, 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 calculus.

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

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 brea

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

SUC7

### CERENEX

RL-038 May 1993

ontsion of GLAZO INC Research Triangle Park, NC 27709 September 1993

Printed in USA

Events Reported by at Least 1% of Imitrex Injection Patients

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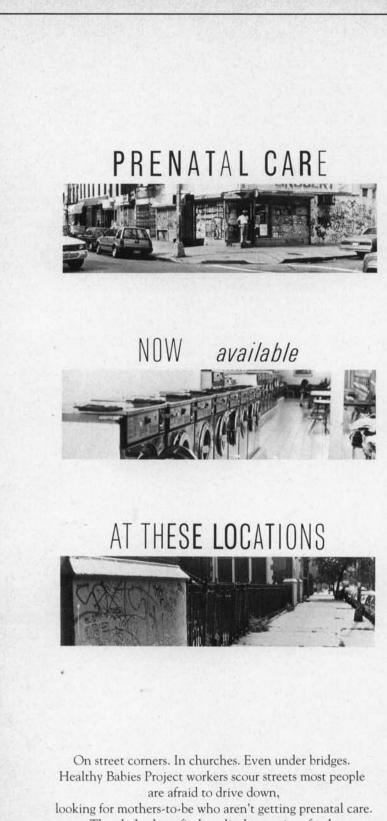
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Anything it takes for them to have a healthy, happy baby. Please, join our Campaign for Healthier Babies.

# March of Dimes We deliver small miracles

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NAPROSYN® (NAPROXEN) 500 mg tablets

Brief Summary: ContrainedCations: Patients who have had allergic reactions to NAPPROSYN, AMAPROX or AMAPROX DS or in whom saprin or other NSAIDs induce the synchrome of astman, minits, and nasal porys. Because anaphylacit reactions usually occur in patients measal polyso, uticaria, and hypomesnio accurdiated with NSAIDs before starting therapy. If such symptoms occur discontinue the drug, **Warnings:** Serious GI toxicity such as beleding, utceration, and perforation can occur at any time, with or without warning in about 2-4% of patients treated for one year. Inform patients about the signs and/or symptoms of serious GI toxicity and what support the signs and/or symptoms of serious GI toxicity and what been associated with prepic ulceration and bleeding in about 2-4% of patients treated for one year. Inform patients about the signs and/or symptoms of serious GI toxicity and what been associated with prepic ulceration and bleeding in most spontaneous reports of taki GI events and other risk factors known to be associated with prepic ulcer disease, such as been associated with increased risk. Edlerly or debillated patients seem to tolerate ulceration or bleeding less well than others and OMAPPROXEN SODUMIN SINCE THEY BOTH CIRCULATE IN PLASMA ST THE NAPPROXEN ANONA. Acute interstitian lephritis with hema-turia, proteinuria, and nephrotic syndrome has been reported outer treat decompensation. If this occurs, discontinue the drug Uccurance in patients with significandly immand end resulting in patients with significandly immand end results. With SSIDs, borderine elevations of liver tests may occur in up to this of balance. They associated with prepase to result in continue therapy. Elevations of SGPT or SGOT solution, and hearing and related during therapy, do solowy and balance strengs of induces end that hepatitis whether areations, induced as earbitist, high discontinue the regy in apatients with significandly acute end that hepatitis whether and the occurs and the significand therapy. Gi Subota, and solution to

Incidence of reported reaction 3%-9%. SYNTEX U.S. patent nos. 3,904,682, 3,998,966 and others. ©1991 Syntex Puerto Rico, Inc. Rev. 39 September 1990

# FOR CHRONIC ARTHRITIS EXPECT AN INCREASED RANGE OF MOTION

Color-enhanced 3-D MRI of OA knee with medial compartment narrowing and anterior osteophytes in red. Supplied by David W. Stoller, MD, of California Advanced Imaging.

As with other NSAIDs, the most frequent complaints are gastrointestinal.

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