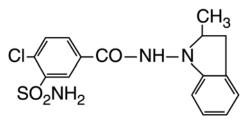
Rev. July 2005

(indapamide) 1.25 mg tablets Rx only

DESCRIPTION

Lozol[®] (indapamide) is an oral antihypertensive/diuretic. Its molecule contains both a polar sulfamoyl chlorobenzamide moiety and a lipid-soluble methylindoline moiety. It differs chemically from the thiazides in that it does not possess the thiazide ring system and contains only one sulfonamide group. The chemical name of Lozol is 1-(4-chloro-3-sulfamoylbenzamido)-2-methylindoline, and its molecular weight is 365.84. The compound is a weak acid, $pK_a=8.8$, and is soluble in aqueous solutions of strong bases. It is a white to yellow-white crystalline (tetragonal) powder.



The tablets also contain microcrystalline cellulose, coloring agent, corn starch, pregelatinized starch, hypromellose, lactose, magnesium stearate, polyethylene glycol, and talc.

CLINICAL PHARMACOLOGY

Indapamide is the first of a new class of antihypertensive/diuretics, the indolines. The oral administration of 2.5 mg (two 1.25 mg tablets) of indapamide to male subjects produced peak concentrations of approximately 115 ng/mL of the drug in blood within two hours. The oral administration of 5 mg (two 2.5 mg tablets) of indapamide to healthy male subjects produced peak concentrations of approximately 260 ng/mL of the drug in the blood within two hours. A minimum of 70% of a single oral dose is eliminated by the kidneys and an additional 23% by the gastrointestinal tract, probably including the biliary route. The half-life of Lozol in whole blood is approximately 14 hours.

Lozol is preferentially and reversibly taken up by the erythrocytes in the peripheral blood. The whole blood/plasma ratio is approximately 6:1 at the time of peak concentration and decreases to 3.5:1 at eight hours. From 71 to 79% of the Lozol in plasma is reversibly bound to plasma proteins.

Lozol is an extensively metabolized drug, with only about 7% of the total dose administered, recovered in the urine as unchanged drug during the first 48 hours after administration. The urinary elimination of ¹⁴C-labeled indapamide and metabolites is biphasic with a terminal half-life of excretion of total radioactivity of 26 hours.

In a parallel design double-blind, placebo controlled trial in hypertension, daily doses of indapamide between 1.25 mg and 10.0 mg produced dose-related antihypertensive effects. Doses of 5.0 and 10.0 mg were not distinguishable from each other although each was differentiated from placebo and 1.25 mg indapamide. At daily doses of 1.25 mg, 5.0 mg and 10.0 mg, a mean

decrease of serum potassium of 0.28, 0.61 and 0.76 mEq/L, respectively, was observed and uric acid increased by about 0.69 mg/100 mL.

In other parallel design, dose-ranging clinical trials in hypertension and edema, daily doses of indapamide between 0.5 and 5.0 mg produced dose-related effects. Generally, doses of 2.5 and 5.0 mg were not distinguishable from each other although each was differentiated from placebo and from 0.5 or 1.0 mg indapamide. At daily doses of 2.5 and 5.0 mg a mean decrease of serum potassium of 0.5 and 0.6 mEq/Liter, respectively, was observed and uric acid increased by about 1.0 mg/100 mL.

At these doses, the effects of indapamide on blood pressure and edema are approximately equal to those obtained with conventional doses of other antihypertensive/diuretics.

In hypertensive patients, daily doses of 1.25, 2.5 and 5.0 mg of indapamide have no appreciable cardiac inotropic or chronotropic effect. The drug decreases peripheral resistance, with little or no effect on cardiac output, rate or rhythm. Chronic administration of indapamide to hypertensive patients has little or no effect on glomerular filtration rate or renal plasma flow.

Lozol had an antihypertensive effect in patients with varying degrees of renal impairment, although in general, diuretic effects declined as renal function decreased.

In a small number of controlled studies, Indapamide taken with other antihypertensive drugs such as hydralazine, propranolol, guanethidine and methyldopa, appeared to have the additive effect typical of thiazide-type diuretics.

INDICATIONS

Lozol is indicated for the treatment of hypertension, alone or in combination with other antihypertensive drugs.

Lozol is also indicated for the treatment of salt and fluid retention associated with congestive heart failure.

Usage in Pregnancy: The routine use of diuretics in an otherwise healthy woman is inappropriate and exposes mother and fetus to unnecessary hazard (see **PRECAUTIONS** below).

Diuretics do not prevent development of toxemia of pregnancy, and there is no satisfactory evidence that they are useful in the treatment of developed toxemia.

Edema during pregnancy may arise from pathological causes or from the physiologic and mechanical consequences of pregnancy. Indapamide is indicated in pregnancy when edema is due to pathologic causes, just as it is in the absence of pregnancy (however, see **PRECAUTIONS** below). Dependent edema in pregnancy, resulting from restriction of venous return by the expanded uterus, is properly treated through elevation of the lower extremities and use of support hose; use of diuretics to lower intravascular volume in this case is illogical and unnecessary. There is hypervolemia during normal pregnancy which is not harmful to either the fetus or the mother (in the absence of cardiovascular disease), but which is associated with edema, including generalized edema in the majority of pregnant women. If this edema produces discomfort, increased recumbency will often provide relief. In rare instances, this edema may cause extreme discomfort which is not relieved by rest. In these cases, a short course of diuretics may provide relief and may be appropriate.

CONTRAINDICATIONS

Anuria.

Known hypersensitivity to indapamide or to other sulfonamide-derived drugs.

WARNINGS

Severe cases of hyponatremia, accompanied by hypokalemia have been reported with recommended doses of indapamide. This occurred primarily in elderly females. (See **PRECAUTIONS, Geriatric Use**.) This appears to be dose related. Also, a large case-controlled pharmacoepidemiology study indicates that there is an increased risk of hyponatremia with indapamide 2.5 mg and 5 mg doses. Hyponatremia considered possibly clinically significant (< 125 mEq/L) has not been observed in clinical trials with the 1.25 mg dosage (see **PRECAUTIONS**). Thus, patients should be started at the 1.25 mg dose and maintained at the lowest possible dose. (See **DOSAGE AND ADMINISTRATION**.)

Hypokalemia occurs commonly with diuretics (see **ADVERSE REACTIONS**, hypokalemia), and electrolyte monitoring is essential, particularly in patients who would be at increased risk from hypokalemia, such as those with cardiac arrhythmias or who are receiving concomitant cardiac glycosides.

In general, diuretics should not be given concomitantly with lithium because they reduce its renal clearance and add a high risk of lithium toxicity. Read prescribing information for lithium preparations before use of such concomitant therapy.

PRECAUTIONS

General: *Hypokalemia, Hyponatremia, and Other Fluid and Electrolyte Imbalances:* Periodic determinations of serum electrolytes should be performed at appropriate intervals. In addition, patients should be observed for clinical signs of fluid or electrolyte imbalance, such as hyponatremia, hypochloremic alkalosis, or hypokalemia. Warning signs include dry mouth, thirst, weakness, fatigue, lethargy, drowsiness, restlessness, muscle pains or cramps, hypotension, oliguria, tachycardia, and gastrointestinal disturbance. Electrolyte determinations are particularly important in patients who are vomiting excessively or receiving parenteral fluids, in patients subject to electrolyte imbalance (including those with heart failure, kidney disease, and cirrhosis), and in patients on a salt-restricted diet.

The risk of hypokalemia secondary to diuresis and natriuresis is increased when larger doses are used, when the diuresis is brisk, when severe cirrhosis is present and during concomitant use of corticosteroids or ACTH. Interference with adequate oral intake of electrolytes will also contribute to hypokalemia. Hypokalemia can sensitize or exaggerate the response of the heart to the toxic effects of digitalis, such as increased ventricular irritability.

Dilutional hyponatremia may occur in edematous patients; the appropriate treatment is restriction of water rather than administration of salt, except in rare instances when the hyponatremia is life threatening. However, in actual salt depletion, appropriate replacement is the treatment of choice. Any chloride deficit that may occur during treatment is generally mild and usually does not require specific treatment except in extraordinary circumstances as in liver or renal disease. Thiazide-like diuretics have been shown to increase the urinary excretion of magnesium; this may result in hypomagnesemia.

Hyperuricemia and Gout: Serum concentrations of uric acid increased by an average of 0.69 mg/100 mL in patients treated with indapamide 1.25 mg, and by an average of 1.0 mg/100 mL in patients treated with indapamide 2.5 mg and 5.0 mg, and frank gout may be precipitated in certain patients receiving indapamide (see **ADVERSE REACTIONS** below). Serum concentrations of uric acid should, therefore, be monitored periodically during treatment.

Renal Impairment: Indapamide, like the thiazides, should be used with caution in patients with severe renal disease, as reduced plasma volume may exacerbate or precipitate azotemia. If

progressive renal impairment is observed in a patient receiving indapamide, withholding or discontinuing diuretic therapy should be considered. Renal function tests should be performed periodically during treatment with indapamide.

Impaired Hepatic Function: Indapamide, like the thiazides, should be used with caution in patients with impaired hepatic function or progressive liver disease, since minor alterations of fluid and electrolyte balance may precipitate hepatic coma.

Glucose Tolerance: Latent diabetes may become manifest and insulin requirements in diabetic patients may be altered during thiazide administration. A mean increase in glucose of 6.47 mg/dL was observed in patients treated with indapamide 1.25 mg, which was not considered clinically significant in these trials. Serum concentrations of glucose should be monitored routinely during treatment with Lozol.

Calcium Excretion: Calcium excretion is decreased by diuretics pharmacologically related to indapamide. After six to eight weeks of indapamide 1.25 mg treatment and in long-term studies of hypertensive patients with higher doses of indapamide, however, serum concentrations of calcium increased only slightly with indapamide. Prolonged treatment with drugs pharmacologically related to indapamide may in rare instances be associated with hypercalcemia and hypophosphatemia secondary to physiologic changes in the parathyroid gland; however, the common complications of hyperparathyroidism, such as renal lithiasis, bone resorption, and peptic ulcer, have not been seen. Treatment should be discontinued before tests for parathyroid function are performed. Like the thiazides, indapamide may decrease serum PBI levels without signs of thyroid disturbance.

Interaction With Systemic Lupus Erythematosus: Thiazides have exacerbated or activated systemic lupus erythematosus and this possibility should be considered with indapamide as well.

Drug Interactions

Other Antihypertensives: Lozol may add to or potentiate the action of other antihypertensive drugs. In limited controlled trials that compared the effect of indapamide combined with other antihypertensive drugs with the effect of the other drugs administered alone, there was no notable change in the nature or frequency of adverse reactions associated with the combined therapy.

Lithium: See WARNINGS.

Post-Sympathectomy Patient: The antihypertensive effect of the drug may be enhanced in the post-sympathectomized patient.

Norepinephrine: Indapamide, like the thiazides, may decrease arterial responsiveness to norepinephrine, but this diminution is not sufficient to preclude effectiveness of the pressor agent for therapeutic use.

Carcinogenesis, Mutagenesis, Impairment of Fertility: Both mouse and rat lifetime carcinogenicity studies were conducted. There was no significant difference in the incidence of tumors between the indapamide-treated animals and the control groups.

Pregnancy: *Teratogenic Effects:* Pregnancy Category B. Reproduction studies have been performed in rats, mice and rabbits at doses up to 6,250 times the therapeutic human dose and have revealed no evidence of impaired fertility or harm to the fetus due to Lozol® (indapamide). Postnatal development in rats and mice was unaffected by pretreatment of parent animals during gestation. There are, however, no adequate and well-controlled studies in pregnant women. Moreover, diuretics are known to cross the placental barrier and appear in cord blood. Because animal reproduction studies are not always predictive of human response, this drug should be used during pregnancy only if clearly needed. There may be hazards associated with this use

such as fetal or neonatal jaundice, thrombocytopenia, and possibly other adverse reactions that have occurred in the adult.

Nursing Mothers: It is not known whether this drug is excreted in human milk. Because most drugs are excreted in human milk, if use of this drug is deemed essential, the patient should stop nursing.

Pediatric Use: Safety and effectiveness of indapamide in pediatric patients have not been established.

Geriatric Use:

Clinical studies of indapamide did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects. Other reported clinical experience has not identified differences in responses between the elderly and younger patients. In general, dose selection for an elderly patient should be cautious, usually starting at the low end of the dosing range, reflecting the greater frequency of decreased hepatic, renal, or cardiac function, and of concomitant disease or other drug therapy.

Severe cases of hyponatremia, accompanied by hypokalemia have been reported with recommended doses of indapamide in elderly females (see **WARNINGS**).

ADVERSE REACTIONS

Most adverse effects have been mild and transient.

The Clinical Adverse Reactions listed in Table 1 represent data from Phase II/III placebocontrolled studies (306 patients given indapamide 1.25 mg). The Clinical Adverse Reactions listed in Table 2 represent data from Phase II placebo-controlled studies and long-term controlled clinical trials (426 patients given Lozol 2.5 mg or 5.0 mg). The reactions are arranged into two groups: 1) a cumulative incidence equal to or greater than 5%; 2) a cumulative incidence less than 5%. Reactions are counted regardless of relation to drug.

| Incidence $\geq 5\%$ | Incidence < 5%* | | |
|---|---------------------------------|--|--|
| BODY AS A WHOLE | | | |
| Headache | Asthenia | | |
| Infection | Flu Syndrome | | |
| Pain | Abdominal Pain | | |
| Back Pain | Chest Pain | | |
| GASTROINTESTINAL SYSTEM | Constipation | | |
| | Diarrhea | | |
| | Dyspepsia | | |
| | Nausea | | |
| METABOLIC SYSTEM | Peripheral Edema | | |
| CENTRAL NERVOUS SYSTEM | Nervousness | | |
| Dizziness | Hypertonia | | |
| RESPIRATORY SYSTEM | Cough | | |
| Rhinitis | Pharyngitis | | |
| | Sinusitis | | |
| SPECIAL SENSES | Conjunctivitis | | |
| *OTHER | • - | | |
| All other alinical advance reactions accord | r and $at an incidence of <10/$ | | |

TABLE 1: Adverse Reactions from Studies of 1.25 mg

All other clinical adverse reactions occurred at an incidence of <1%.

Approximately 4% of patients given indapamide 1.25 mg compared to 5% of the patients given placebo discontinued treatment in the trials of up to eight weeks because of adverse reactions.

In controlled clinical trials of six to eight weeks in duration, 20% of patients receiving indapamide 1.25 mg, 61% of patients receiving indapamide 5.0 mg, and 80% of patients receiving indapamide 10.0 mg had at least one potassium value below 3.4 mEq/L. In the indapamide 1.25 mg group, about 40% of those patients who reported hypokalemia as a laboratory adverse event returned to normal serum potassium values without intervention. Hypokalemia with concomitant clinical signs or symptoms occurred in 2% of patients receiving indapamide 1.25 mg.

| CENTRAL NERVOUS SYSTEM/NEUROMUSCULARHeadacheLightheadednessDizzinessDrowsinessFatigue, weakness, lossVertigoof energy, lethargy, tiredness, or malaiseInsomniaMuscle cramps orspasm, or numbness of the extremitiesNervousness, tension, anxiety, irritability, or agitationBlurred VisionGASTROINTESTINAL SYSTEMConstipation NauseaNervousness, tension, anxiety, irritability, or agitationConstipation NauseaGASTROINTESTINAL SYSTEMConstipation NauseaCARDIOVASCULAR SYSTEMConstipation Gastric irritation Abdominal pain or cramps AnorexiaGENITOURINARY SYSTEMOrthostatic hypotension Premature ventricular contractions Irregular heart beat PalpitationsGENITOURINARY SYSTEMFrequency of urination Nocturia Polyuria Rash Hives Pruritus VasculitisOTHERImpoence or reduced libido Rhinorrhea Flushing Hyporatremia Hypochloremia Hypochloremia Hypochloremia Hypochloremia Hypochloremia Hypochloremia Hypochloremia | Incidence $\geq 5\%$ | Incidence < 5% |
|--|--|------------------------------------|
| DizzinessDrowsinessFatigue, weakness, lossVertigoof energy, lethargy, tiredness, or malaiseInsomniaMuscle cramps orDepressionspasm, or numbness of the extremitiesDepressionNervousness, tension, anxiety, irritability, or agitationBlurred VisionGASTROINTESTINAL SYSTEMConstipationMuscle CARDIOVASCULAR SYSTEMConstipationCARDIOVASCULAR SYSTEMOrthostatic hypotensionPremature ventricular contractions Irregular heart beatPalpitationsGENITTOURINARY SYSTEMFrequency of urination NocturiaDERMATOLOGIC/ HYPERSENSITIVITYRash HivesOTHERImpotence or reduced libido RhinorrheaHivesPruritus VasculitisVTHERHives Hyperglycemia Hyponatremia Hyperglycemia Hyperglycemia Hypontremia | CENTRAL NERVOUS SYSTEM/NEUROM | USCULAR |
| Fatigue, weakness, loss of energy, lethargy, tiredness, or malaise Muscle cramps or spasm, or numbness of the extremities Nervousness, tension, anxiety, irritability, or agitation GASTROINTESTINAL SYSTEMVertigo Insomnia Depression Blurred VisionGASTROINTESTINAL SYSTEMConstipation Nausea Vomiting Diarrhea Gastric irritation Abdominal pain or cramps AnorexiaCARDIOVASCULAR SYSTEMOrthostatic hypotension Premature ventricular contractions Irregular heart beat PalpitationsGENITOURINARY SYSTEMFrequency of urination Nocturia PolyuriaDERMATOLOGIC/ HYPERSENSITIVITYRash Hives Pruritus VasculitisOTHERImpotence or reduced libido Rhinorrhea Flushing Hyperglycemia Hyponatremia Hyponatremia Hyponatremia Hyponatremia Hyponatremia | Headache | Lightheadedness |
| of energy, lethargy, tiredness, or malaiseInsomniaMuscle cramps or spasm, or numbness of the extremitiesDepressionNervousness, tension, anxiety, irritability, or agitationBlurred VisionGASTROINTESTINAL SYSTEMConstipation Nausea Vomiting Diarrhea Gastric irritation Abdominal pain or cramps AnorexiaCARDIOVASCULAR SYSTEMOrthostatic hypotension Premature ventricular contractions Irregular heart beat PalpitationsGENITOURINARY SYSTEMFrequency of urination Nocturia PolyuriaDERMATOLOGIC/ HYPERSENSITIVITYRash Hives Pruritus VasculitisOTHERImpotence or reduced libido Rhinorrhea Flushing Hyperuricemia Hyponatremia Hyponatremia Hyponatremia Hyponatremia Hyponatremia | Dizziness | Drowsiness |
| Muscle cramps or spasm, or numbness of the extremitiesDepression Blurred VisionNervousness, tension, anxiety, irritability, or agitationDepression Blurred VisionGASTROINTESTINAL SYSTEMConstipation Nausea Vomiting Diarrhea Gastric irritation Abdominal pain or cramps AnorexiaCARDIOVASCULAR SYSTEMOrthostatic hypotension Premature ventricular contractions Irregular heart beat PalpitationsGENITOURINARY SYSTEMFrequency of urination Nocturia PolyuriaDERMATOLOGIC/ HYPERSENSITIVITYRash Hives Pruritus VasculitisOTHERImpotence or reduced libido Rhinorrhea Flushing Hyperglycemia Hypochloremia | Fatigue, weakness, loss | Vertigo |
| spasm, or numbness of the extremities Nervousness, tension, anxiety, irritability, or agitation GASTROINTESTINAL SYSTEM Constipation Nausea Vomiting Diarrhea Gastric irritation Abdominal pain or cramps Anorexia Orthostatic hypotension Premature ventricular contractions Irregular heart beat Palpitations GENITOURINARY SYSTEM Frequency of urination Nocturia POlyuria DERMATOLOGIC/ HYPERSENSITIVITY Rash Hives Pruritus Vasculitis OTHER Marce or reduced libido Rhinorrhea Flushing Hyperuricemia Hyporloremia | of energy, lethargy, tiredness, or malaise | Insomnia |
| Nervousness, tension, anxiety, irritability, or agitation GASTROINTESTINAL SYSTEM Constipation Nausea Vomiting Diarrhea Gastric irritation Abdominal pain or cramps Anorexia Orthostatic hypotension Premature ventricular contractions Irregular heart beat Palpitations GENITOURINARY SYSTEM OERMATOLOGIC/ HYPERSENSITIVITY DERMATOLOGIC/ HYPERSENSITIVITY Assh Hives Pruritus OTHER Manuel Content of the second Premature of the second Polyuria DERMATOLOGIC/ HYPERSENSITIVITY Rash Hives Pruritus Vasculitis OTHER Manuel Content Hives Pruritus Vasculitis Manuel Distance Flushing Hyperglycemia Hyponatremia Hypochloremia | Muscle cramps or | Depression |
| anxiety, irritability, or agitation GASTROINTESTINAL SYSTEM Constipation Nausea Vomiting Diarrhea Gastric irritation Abdominal pain or cramps Anorexia CARDIOVASCULAR SYSTEM CARDIOVASCULAR SYSTEM CARDIOVASCULAR SYSTEM GENITOURINARY SYSTEM GENITOURINARY SYSTEM Frequency of urination Nocturia Palpitations Frequency of urination Nocturia Polyuria DERMATOLOGIC/ HYPERSENSITIVITY Rash Hives Pruritus Vasculitis OTHER Minorrhea Flushing Hyperuricemia Hyponatremia Hyponatremia Hyponatremia | spasm, or numbness of the extremities | Blurred Vision |
| GASTROINTESTINAL SYSTEMConstipation NauseaGASTROINTESTINAL SYSTEMNausea Vomiting Diarrhea Gastric irritation Abdominal pain or cramps AnorexiaCARDIOVASCULAR SYSTEMOrthostatic hypotension Premature ventricular contractions Irregular heart beat PalpitationsGENITOURINARY SYSTEMFrequency of urination Nocturia PolyuriaDERMATOLOGIC/ HYPERSENSITIVITYRash Hives Pruritus VasculitisOTHERImpotence or reduced libido Rhinorrhea Flushing Hyperuricemia Hypopatremia Hyponatremia Hypochloremia | Nervousness, tension, | |
| NauseaVomitingDiarrheaGastric irritationAbdominal pain or crampsAnorexiaOrthostatic hypotensionPremature ventricular contractionsIrregular heart beatPalpitationsGENITOURINARY SYSTEMFrequency of urinationNocturiaPolyuriaDERMATOLOGIC/ HYPERSENSITIVITYRashHivesPruritusVasculitisOTHERImpotence or reduced libidoRhinorrheaFlushingHyperuricemiaHyperuricemiaHyponatremiaHypochloremia | anxiety, irritability, or agitation | |
| Vomiting Diarrhea Gastric irritation Abdominal pain or cramps Anorexia Orthostatic hypotension Premature ventricular contractions Irregular heart beat Palpitations Frequency of urination Nocturia Polyuria DERMATOLOGIC/ HYPERSENSITIVITY Rash Hives Pruritus Vasculitis OTHER Impotence or reduced libido Rhinorrhea Flushing Hyperuricemia Hyperuricemia Hyperuria Hyper | GASTROINTESTINAL SYSTEM | Constipation |
| DiarrheaGastric irritationAbdominal pain or crampsAnorexiaOrthostatic hypotensionPremature ventricular contractionsIrregular heart beatPalpitationsGENITOURINARY SYSTEMFrequency of urinationNocturiaPolyuriaDERMATOLOGIC/ HYPERSENSITIVITYRashHivesPruritusVasculitisOTHERImpotence or reduced libidoRhinorrheaFlushingHyperuricemiaHyperglycemiaHyponatremiaHypochloremia | | Nausea |
| Gastric irritation Abdominal pain or cramps Anorexia Orthostatic hypotension Premature ventricular contractions Irregular heart beat Palpitations Frequency of urination Nocturia POlyuria DERMATOLOGIC/ HYPERSENSITIVITY Rash Hives Pruritus OTHER Impotence or reduced libido Rhinorthea Flushing Hyperuricemia Hyperglycemia Hyponatremia | | Vomiting |
| Abdominal pain or cramps Anorexia Orthostatic hypotension Premature ventricular contractions Irregular heart beat Palpitations GENITOURINARY SYSTEM GENITOURINARY SYSTEM Frequency of urination Nocturia Polyuria DERMATOLOGIC/ HYPERSENSITIVITY Rash Hives Polyuria OTHER Ash Hives Furitus Vasculitis OTHER Hipotence or reduced libido Rhinorrhea Flushing Hyperuricemia Hyperuricemia Hyperuricemia Hyponatremia Hyponatremia | | Diarrhea |
| CARDIOVASCULAR SYSTEMAnorexiaCARDIOVASCULAR SYSTEMOrthostatic hypotensionPremature ventricular contractionsIrregular heart beatPalpitationsFrequency of urinationGENITOURINARY SYSTEMFrequency of urinationDERMATOLOGIC/ HYPERSENSITIVITYRashPOlyuriaPolyuriaPOTHERImpotence or reduced libidoRhinorrheaFlushingHyperuricemiaHyperglycemiaHyponatremiaHyponatremiaHyponatremiaHyponatremia | | Gastric irritation |
| CARDIOVASCULAR SYSTEM Orthostatic hypotension Premature ventricular contractions Irregular heart beat Palpitations Frequency of urination Nocturia Polyuria DERMATOLOGIC/ HYPERSENSITIVITY Rash Hives Pruritus Vasculitis OTHER OTHER Hypotence or reduced libido Rhinorrhea Flushing Hyperuricemia Hyperglycemia Hyponatremia Hypochloremia | | Abdominal pain or cramps |
| Premature ventricular contractionsIrregular heart beatPalpitationsFrequency of urinationNocturiaPolyuriaDERMATOLOGIC/ HYPERSENSITIVITYRashHivesPruritusVasculitisOTHERImpotence or reduced libidoRhinorrheaFlushingHyperuricemiaHyperglycemiaHyponatremiaHypochloremia | | Anorexia |
| Irregular heart beatGENITOURINARY SYSTEMFrequency of urinationFrequency of urinationNocturiaDERMATOLOGIC/ HYPERSENSITIVITYRashHivesPruritusOTHERImpotence or reduced libidoRhinorrheaFlushingFlushingHyperuricemiaHyperglycemiaHyperglycemiaHyponatremiaHypochloremia | CARDIOVASCULAR SYSTEM | Orthostatic hypotension |
| GENITOURINARY SYSTEMPalpitationsGENITOURINARY SYSTEMFrequency of urinationNocturiaNocturiaPOlyuriaPolyuriaDERMATOLOGIC/ HYPERSENSITIVITYRashHivesPruritusOTHERImpotence or reduced libidoRhinorrheaFlushingFlushingHyperuricemiaHyperglycemiaHyperglycemiaHyponatremiaHypochloremia | | Premature ventricular contractions |
| GENITOURINARY SYSTEM GENITOURINARY SYSTEM Frequency of urination Nocturia Polyuria DERMATOLOGIC/ HYPERSENSITIVITY Rash Hives Pruritus Vasculitis OTHER Impotence or reduced libido Rhinorrhea Flushing Hyperuricemia Hyperglycemia Hyponatremia Hyponatremia | | Irregular heart beat |
| DERMATOLOGIC/ HYPERSENSITIVITY DERMATOLOGIC/ HYPERSENSITIVITY Rash Hives Pruritus Vasculitis OTHER Impotence or reduced libido Rhinorrhea Flushing Hyperuricemia Hyperglycemia Hyperglycemia Hyponatremia | | Palpitations |
| DERMATOLOGIC/ HYPERSENSITIVITYPolyuriaRashHivesHivesPruritusOTHERImpotence or reduced libidoRhinorrheaFlushingFlushingHyperuricemiaHyperglycemiaHyperglycemiaHyponatremiaHyponatremiaHypochloremiaHypochloremia | GENITOURINARY SYSTEM | Frequency of urination |
| DERMATOLOGIC/ HYPERSENSITIVITY Hives Pruritus OTHER OTHER Impotence or reduced libido Rhinorrhea Flushing Hyperuricemia Hyperglycemia Hyponatremia Hyponatremia | | Nocturia |
| Hives Pruritus Vasculitis OTHER Impotence or reduced libido Rhinorrhea Flushing Hyperuricemia Hyperglycemia Hyponatremia Hyponatremia | | Polyuria |
| PruritusOTHERVasculitisOTHERImpotence or reduced libidoRhinorrheaRhinorrheaFlushingHyperuricemiaHyperglycemiaHyperglycemiaHyponatremiaHyponatremiaHypochloremiaHypochloremia | DERMATOLOGIC/ HYPERSENSITIVITY | Rash |
| OTHER Vasculitis OTHER Impotence or reduced libido Rhinorrhea Flushing Hyperuricemia Hyperglycemia Hyponatremia Hypochloremia | | Hives |
| OTHER Impotence or reduced libido Rhinorrhea Flushing Hyperuricemia Hyperglycemia Hyponatremia Hypochloremia | | Pruritus |
| Rhinorrhea Flushing Hyperuricemia Hyperglycemia Hyponatremia Hypochloremia | | Vasculitis |
| Flushing Hyperuricemia Hyperglycemia Hyponatremia Hypochloremia | OTHER | Impotence or reduced libido |
| Hyperuricemia Hyperglycemia Hyponatremia Hypochloremia | | Rhinorrhea |
| Hyperglycemia Hyponatremia Hypochloremia | | Flushing |
| Hyponatremia Hypochloremia | | Hyperuricemia |
| Hypochloremia | | Hyperglycemia |
| | | Hyponatremia |
| Increase in serum urea nitrogen | | Hypochloremia |
| | | Increase in serum urea nitrogen |

(BUN) or creatinine Glycosuria Weight loss Dry mouth Tingling of extremities

Because most of these data are from long-term studies (up to 40 weeks of treatment), it is probable that many of the adverse experiences reported are due to causes other than the drug. Approximately 10% of patients given indapamide discontinued treatment in long-term trials because of reactions either related or unrelated to the drug.

Hypokalemia with concomitant clinical signs or symptoms occurred in 3% of patients receiving indapamide 2.5 mg q.d. and 7% of patients receiving indapamide 5 mg q.d. In long-term controlled clinical trials comparing the hypokalemic effects of daily doses of indapamide and hydrochlorothiazide, however, 47% of patients receiving indapamide 2.5 mg, 72% of patients receiving indapamide 5 mg, and 44% of patients receiving hydrochlorothiazide 50 mg had at least one potassium value (out of a total of 11 taken during the study) below 3.5 mEq/L. In the indapamide 2.5 mg group, over 50% of those patients returned to normal serum potassium values without intervention.

In clinical trials of six to eight weeks, the mean changes in selected values were as shown in the tables below.

| Mean Changes from Baseline after 8 Weeks of Treatment – 1.25 mg | | | | | |
|---|---|----------------------------|----------------|--|--|
| | Serum Electrolytes (mEq/L) Potassium Sodium Chloride | Serum Uric Acid (mg/dL) | BUN (mg/dL) | | |
| Indapamide 1.25 mg (n=255-257) | -0.28 -0.63 -2.60 | 0.69 | 1.46 | | |
| Placebo (n=263-266) | 0.00 - 0.11 - 0.21 | 0.06 | 0.06 | | |

No patients receiving indapamide 1.25 mg experienced hyponatremia considered possibly clinically significant (<125 mEq/L).

Indapamide had no adverse effects on lipids.

| Mean Changes from Baseline after 40 Weeks of Treatment – 2.5 mg and 5.0 mg | | | | | |
|--|----------------------------|-------|-------|-----------------|---------|
| | Serum Electrolytes (mEq/L) | | | Serum Uric Acid | BUN |
| | Potassium Sodium Chloride | | | (mg/dL) | (mg/dL) |
| Indapamide | -0.4 | - 0.6 | - 3.6 | 0.7 | - 0.1 |
| 2.5 mg (n=76) | | | | | |
| Indapamide | -0.6 | -0.7 | - 5.1 | 1.1 | 1.4 |
| 5.0 mg (n=81) | | | | | |

The following reactions have been reported with clinical usage of Lozol: jaundice (intrahepatic cholestatic jaundice), hepatitis, pancreatitis and abnormal liver function tests. These reactions were reversible with discontinuance of the drug.

Also reported are erythema multiforme, Stevens-Johnson Syndrome, bullous eruptions, purpura, photosensitivity, fever, pneumonitis, anaphylactic reactions, agranulocytosis, leukopenia, thrombocytopenia and aplastic anemia. Other adverse reactions reported with antihypertensive/diuretics are necrotizing angiitis, respiratory distress, sialadenitis, xanthopsia.

OVERDOSAGE

Symptoms of overdosage include nausea, vomiting, weakness, gastrointestinal disorders and disturbances of electrolyte balance. In severe instances, hypotension and depressed respiration may be observed. If this occurs, support of respiration and cardiac circulation should be instituted. There is no specific antidote. An evacuation of the stomach is recommended by emesis and gastric lavage after which the electrolyte and fluid balance should be evaluated carefully.

DOSAGE AND ADMINISTRATION

Hypertension: The adult starting indapamide dose for hypertension is 1.25 mg as a single daily dose taken in the morning. If the response to 1.25 mg is not satisfactory after four weeks, the daily dose may be increased to 2.5 mg taken once daily. If the response to 2.5 mg is not satisfactory after four weeks, the daily dose may be increased to 5.0 mg taken once daily, but adding another antihypertensive should be considered.

Edema of Congestive Heart Failure: The adult starting indapamide dose for edema of congestive heart failure is 2.5 mg as a single daily dose taken in the morning. If the response to 2.5 mg is not satisfactory after one week, the daily dose may be increased to 5.0 mg taken once daily.

If the antihypertensive response to indapamide is insufficient, Lozol may be combined with other antihypertensive drugs, with careful monitoring of blood pressure. It is recommended that the usual dose of other agents be reduced by 50% during initial combination therapy. As the blood pressure response becomes evident, further dosage adjustments may be necessary.

In general, doses of 5.0 mg and larger have not appeared to provide additional effects on blood pressure or heart failure, but are associated with a greater degree of hypokalemia. There is minimal clinical trial experience in patients with doses greater than 5.0 mg once a day.

HOW SUPPLIED

| Strength | Size | NDC 0075- | Color | Shape | Markings |
|----------|-----------------|-----------|---------|---------|----------|
| 1.25 mg | Bottles of 100 | 0700-00 | Orange, | Octagon | R |
| | Bottles of 1000 | 0700-99 | film- | Shaped | and |
| | | | coated | | 7 |

U.S. Pat. No. Des. 300,673.

Keep out of the reach of children.

Keep tightly closed. Store at Controlled Room Temperature 20 to 25°C (68 to 77°F) [see USP]. Avoid excessive heat. This product should be dispensed in a container with a child resistant cap.

Rev. July 2005

Aventis Pharmaceuticals Inc. Bridgewater, NJ 08807 USA ©2005 Aventis Pharmaceuticals Inc.