CAPOTEN TABLETS Captopril

DESCRIPTION
CAPOTEN (captopril) is an inhibitor of angiotensin converting e
converts angiotensin I to angiotensin il a potent endogenous vesti CAPOTEN (captopril) is available in potencies of 25 mg and 50 mg

nd stearic acid.

CLIRICAL PHARMACULUM.

Mechanism of Actions.

The medianem of action of CAPOTEN (captopril) has not yet been full from medianem of action of CAPOTEN (captopril) has not yet been full been found in the captopril of the properties of the medianem action in the suppression of the meni-magificial medianem solution. However, there is a suppression of the medianem of suppression that means to the drop. The reduction II and aldosterone. However, there is no consist and response to the drug. The reduction of angiote

concentrations or committee and response to the drug. The reduction of angiona-compression between retrin levels and response to the drug. The reduction of angiona-position may occur along with accidim and fluid loss to the committee of the c

Description only significant extent.

Pharmacodynamics

CAPOTEN (captopri) reduces peripheral arterial resistance in hypertensive pat
with either no change, or an increase, in cardiac output. There is an increase in to

will alter to charge, or working administration of CAPOTEN (capitagin) and glomanular filtration rate locations for blood pressure are usually material 60 is 90 minutes after crit ammeniate that on a charge of the control of the Clinical Trials:

Clinical Trials:

Capport improved long-term survival and clinical outcome compared to placebol among a Capport in the mycocalla infanction (MI) who participated in the Sanival and Architecture (MI) with a participated in the Sanival and MI and MI

when added to other postblockers or aspirin Potential mechanisms by which captopril improves survival and clinical outcom patients following myocardial infarction include: attenuation of the progressive wentricular intricular function; and deterioration in left ventricular function; and inhibition

dependent diabetes mellitus and proteinuria with or without hypertension (conventionable) perfective agents were allowed to achieve blood pressure control), capt treatment provided a 51% risk reduction in doubling of serum creatinine ($P \le 0.01$),

DICATIONS AND USAGE retension: CAPOTEN (captopril) is indicated for the treatment or retension; is effective alone and in combination with other antihypertensions. The blood pressure lowering effects of

thiazides are approximately additive. Heart Fallure: CAPOTEN (captopril) is failure. Although the beneficial effect of effect of captopril in heart failure does re trolled clinical trial experience with captop presence of digitalis, most controlled clinical trial experients receiving digitalis, as well as diuretic treatment Myocardial Infarction: CAPOTEN (captopril) is

infarction in clinically stable patients with asymptomatic and symptomatic left ventricular dysfunction to improve survival, delay the onset of symptomatic heart failure, reduce

Diabetic Nephropathy: CAPOTEN (captopril) is indicated for the treatment of di nephropathy (N.B. renal disease,due to diabetes melitus' may be substitute "diabetic nephropathy"); In these patients, captopril prevents the progression of and reduces



CONTRAINDICATIONS

CAPOTEN is contraindicated in patients who are hypersensitive to this product or any other angiotensin-converting enzyme inhibitor (e.g., a patient who has experienced angioedema during therapy with any other ACE inhibitor.)

WAPNINGS

WARNINGS
Anaphylactoid and Possibly Related Reactions:
Presumably because angiotensin-converting enzyme is essential for degradation of endogenous bradylskin, patients receiving ACE inhibitors, including captopril, are subject to a variety of adverse reactions to produce effects ranging from relatively mild, such as cough (see PRECAUTIONS), to serious such as the following:

ough (see PRECALTIONS). Is serious such as the following, implications: Angological survivoring the extremities, fixe, figs, mucous membranes, inpute, globis or largins has been seen in patients treated with ACE invalidation involves the following, clidition of largin, savely obstruction may support in angological minimal terminal terminal production of the production of the control of the

subcularious administration of a 11000 soution of generative should be promptly instituted. Seeling confered to the face, muscular embrance of the notificial position of entered the season of depoting some cases required and extension during depoting some cases required Anaphysication exacticions during desemblishation: They patients undergoing desembling resistant with hymeropera vector while receiving another ACE inhibitor exercises the saver patients, these inactions were avoided when the ACE inhibitor was temporarily withheir, but they make one of the patients and patients and the patients are patients, these inactions were avoided when the ACE inhibitor was temporarily withheir, but they make patient, these inactions were avoided when the ACE inhibitor was temporarily withheir, but they make patient, these inactions were avoided when the ACE inhibitor was temporarily withheir, but they make patient, these inactions were avoided when the ACE inhibitor was temporarily withheir, but they make patient the patients are applied to the patients of the action of the ACE inhibitor was temporarily withheir, but they make the action of the ACE inhibitor was temporarily withheir documents.

treated with ACE inhibitors undergoing such desensitizations procedures. Anaphytisctoid, rescitorie during high-flux dialysis! [Ropercisted apheresis membranes exposure: Anaphytictoid reactions have been reported in patients interestingly and high-flux dialysis embranes. Anaphytication reactions have also interestingly and anaphytication reactions have also discount and anaphytication and anaphytication reactions have also discount anaphytication and anaphytication and anaphytication and anaphytication and anaphytication anaphytication and anaphytication anaphytication and anaphytication anaphytication and anaphytication anaphy

Veutropenia / Agranulocytosis: in the clinical status of the patient. Neutropenia is very rare (< 0.02%) in patients with hypertension who have normal renal function (Cr.,

1.6 mg/d. and no collagen vescular disease).
In patients with some degree of result failure (serum creatisme at least 1.6 mg/d.). but no collagen vascular disease, the risk of neutropens in clinical trials lives about 0.2%, and offerquency over 1.5 mess that for uncomplicated hypertension. Daily doses of captoprise were relatively high in these patients, particularly in view of their diminished main function. In patients with rental failure, use of adoption concentrally with captorill hat

been associated with neutropenia.

In patients with collagen vascular diseases (e.g., systemic lupus erythematosus in clinical trials.)

in clinical trats. While none of the over 750 patients in formal clinical trials of heart failure develope neutropenia, it has occurred during post-marketing experience. About half of the reporter cases had serum creditiones 1.6 mg/dt, and more than 75 géndren twee in patients also receiving procaleamide. In heart failure, it appears that, the same risk factors (i.e. impaired renal function, etc.) for neutropenia are present.

The neutropens has usually been described within three mothers after cappops we started. Bore marrow examinations in paleters with eutropies's consistently shower myelloid hypoplasia, frequently accompanied by enythroid hypoplasia and decrease mumbers of megalanyopies (e.g., hypoplasia bore marrow and pensylopenia) a nemi and thrombooytopienia were stometimes seen. In order in about, two weeks after cappopri we in general, neutropicis instanted to a normal in about, two weeks after cappopri we

discontinued, and serious infections were limited to clinically complex patients. About 1 percent of the cases of neutropenia have ended stately, but almost all statilities were in patients with serious lifesses, huming collagen vasculor diseases, nend fallure, heart failture patients with serious lifesses, huming collagen vasculor diseases, nend fallure, heart failture patient in the complicating factor Evaluation of the hypertensive or heart failure patient should always include assessment.

counts should be evaluated prior to starting treatment and at approximately two-wee intervals for about three months, then periodically. In patients with collagen vascular disease or who are exposed to other drugs known to affect the white cells or immune response, particularly when there is impaired ren

function, captopri should be used only after an assessment or benefit and rais, and unwith caution. Patients with complicating factors treated with captopril should be told to report any sigof infection (e.g., sore throat, fever). If infection is suspected, white cell counts should

or infection (e.g., some transit, level; it insection is suspected, while demonstrated performed without delay.

Since discontinuation of captopril and other drugs has generally led to prompt return or the white count to normal, upon confirmation of neutropenia (neutrophil count 1000/mm²) the physician should withdraw captopril and closely follow the patient:

course. Crossinaria:

Troblemula:

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joienno le ligry polanticus; and polanticus (a discholocontrolled table in 207 patients with discholocontrolled table in 207 patients with discholocontrolled table in 207 patients with discholocontrolled and years, there were an consistent enduction in problematic, it is unknown health propietion in the propietion in the discholocontrolled propietion in the propietion in discholocontrolled propietion in the propietion in discholocontrolled discholocontrolled discholocontrolled discholocontrolled discholocontrolled discholocontrolled discholocontrolled propietion (disphilation) and provide a disphilation (disphilation) and provide and provide

Hypotension: Excessive hypotension was rarely seen in hypotensive patients but is a postble consequence of captopril use in salt / volume depleted persons (such as those treated vigorously with diuretics), patients with heart failure or those patients undergoing renal dialitysis.

In hyperfersion, the possibility of hypotensive effects with the initial doses of captops of the minimized by either discontinuing the durent or increasing the sale intake approximately one week, prior to initiation of treatment with CAPOTEM (captopil) or initiating therapy with email doses (6.25 or 12.5 mg.) Attentively, melicial approxiimation provides the capture of the cap

in heart failure, where the blood pressure was either normal or low, transient docreases in mean blood pressure greater than 20 percent were recorded in about half of the patients. This transient hypotension is more likely to occur after any of the first service dose and is usually well biterated, producing either no symptoms or brief mild lightheadedness, although in zere instances it has been associated with arrhythmic of the production of the product

been associated with arrh

percent of patients with heart failure.

BECALISE OF THE POTENTIAL FALL IN BLOOD PRESSU BECAUSE OF THE POTENTIAL FALL IN BLOOD PRESSURE IN THESE PATIENTS.

THERPY SHOULD IS STATETO MONEY VERY CLOSE MEDICAL SUPERVISION.

THERPY SHOULD IS STATETO WORKER VERY CLOSE MEDICAL SUPERVISION.

Patients stood by closes to close to close for the first two weeks of treatment and whomewer he does of cryptome and only only one close of cryptome to close to close to close to close to repeat the patients in the close to close to close to close to present the patients and whomewer he decided the close to c Y SHOULD BE STARTED UNDER

DISCOURT.

These adverse effects as not appear to have resulted from intrautierne ACE inhibit accounts that the sensitive of the first trimeter. Mothers whose embryos and fetuse accounts have been inhibited to the first trimeter than the sensitive of the sensit

potential hazards to their fettoerformed to assess the intraam oligohydramnios is observensidered life-saving for the m CAPOTEN observed, ss testing (CST), a non stress test NST), or biophysical profiling (BPP) may be app ignancy. Patients and physicians should by not appear until after the fetus has sustain utero exposure to ACE inhibitors should ints with his guira, and hyperalaemia. If oliguria occurs, atterson shotood pressure and renal perfusion. Exchange than to blood pressure and renal perfusion. Exchange than the same of reversing hypotension and/or substituting hille captopril may be removed from the adult broad adequate data concerning the effectiveness of semon crudation of neonates or children. Peritoneal datysis should be directed tow fusion or dialysis may be a modialysis for removing it from andequate data concerning the effectiveness of Bethodishiss for removing it from the introduction of encounter or children. Pertinonal dispiss, is not effective for removing apapoper, there is no information concerning exchange translusion for removing captopin from the general circulation. When captopin value given trabibilist of the most own of irres (on a migke basis) the maximum recommended human dose, fow incidence of translocation and market of the maximum recommended human dose, fow incidence of provisional statements on were seen. No litation give firsts of captopin times seen in

particularly those with severe and serum creatinine after reduction reduction and/or discontinuation of a it may not be possible to normalize

caseline upon long-term treatme rally those with severe preexisting to due to progressively increasing

reprounds, that patients with aortic onary perfusion when treated with terload reduction as others, surgery or during anesthesia with angiotensin II formation secondary and is considered to be due to this

undice and progresses to furninant hepatic ne schanism of this syndrome is not understood. P welop jaundice or marked elevations of hepatic

mpaired Renal Function: Hypertension: Some patients with renal disease surfery stenosis, have developed increases in BUN of blood pressure with captopril. Captopril dosag fluretic may be required. For some of these patien uretic may be required, For some cooperation and perfusion of pressure and maintain adequate renal perfusion eart Failure: About 20 percent of patients develops and perfusion and perfu

eart Patture: About 20 percent of patients overed eathining greater than 20 percent above normal th captopril. Less than 5 percent of patients, ge-inal disease, required discontinuation of treatmental reatinine; subsequent improvement probably

ndeflying read disease. yoperfalemis: Elvadroni in serum potassium hare been ob sated with ACE inhibitors, including captory! When treat admits at risk for the development of hyperfalemia ini satisfications, diseases mellitus, and those usite conceau interface, potassium conjuntent or potassium consiming sate sociolated with increases in serum potassium collisioning cought: Cough has been reported with the use of IXCE inhibitors.

ugh.

Ivular Stenosis: There is concern, on theoret
inosis might be at particular risk of decreased
sodilators because they do not develop as must
urgery / Anesthesia; in patients undergoing m

e WARNINGS). ents should be told to report promptly any if) that does not respond promptly to star

All patients should be cautioned that excessive pexcessive fall in blood pressure because of red volume deptetion such as vomiting or diarrhea me patients should be advised to consult with the pheatients should be advised not to use personal patients should be advised not to use personal patients and a substitution of the procession postations again and at substitution. n in fluid volume. Other ca

meass.
Female patients of childbearing age should be told about the consequences of second-and third-trimester exposure to ACE inhibitors and that these consequences do not appear to have resulted from intrauterine ACE inhibitor exposure that has been limited to the first trimester. Women should be instructed to notify their physician immediately if

considered. Agents Causing Renin Release: Captoprils effect will be augmented by artiflypretrensive agents that cause mon release For example, disertice (e.g., Philodosi) may activate by remaining any properties and properties of the properties o

only for documented hypokalemia, and then with calabot, smooth they liked to a ignificant increase of estum poissaum. Seat substitutes containing maje liked to a single between the calabot and the calabot and the calabot and the calabot and the histories of Employment and the calabot and the calabot and individual calabot and the calabot and the calabot and which calabot and the calabot and proposed in patient revening occonstant ethium and ACE included present present proposed in patient revening occornitate them and ACE included present the should be condemistered with caution and frequent monitoring of exem the concernmented. If a district is also used, it is may further increase the risk of thium.

toxicity.

Oring (Laboratory Test Interaction:
Captopril may cause a false-positive urine test for acetions.
Captopril may cause a false-positive urine fest for acetions.
Carcinogenesis, Mustagenesis and limpaliment of Fertility.
Two-years studies with doses of 50 to 350 mg/s/gs/gs/ pmice and rais falsed to show any
two-years studies with doses of 50 to 350 mg/s/gs/gs/ pmice and rais falsed to show any
evidence of carcinogenic polarisal. Suckes in rais lawer everaled no impairment of fertility.

Programory: Categories C (first trimester) and D (second and third trimester): See WWHSHINGS: Feasiblecontail Mortadity and Mortality and World (first trimester): See WWHSHINGS: Feasiblecontail Mortadity and Mortadity Concentrations of categorie in human misk are approximately one percent of those in maternal blood Because of the potential for serious adverse reactions in nursing of first from captories, a decision should be misked without the discontinuous nursing or first misked with the discontinuous nursing nursin

scontinue the drug, taking into account the importance of CAPOTEN to the mother.

Safety and effectiveness in children have not been estate ADVERSE REACTIONS NUMBERS REACTIONS

Reported incidence are based on clinical trials involving approximately 7000 patients reported incidence are based on clinical trials involving approximately 7000 patients such as the property of the pro sociale: Hypothesion before a vegetal or relie has been reported in 2.5% of a seek, 1% of patients. Angine peccini. Mynocarella infection, Reported seek, 1% of patients. Angine peccini. Mynocarella infection, Reynaudis syndi-hesis have been been seek to be been seek to patients. Seekflast Approximately 2 to 4% (oppering on emails and dozen) of patients of the seek to be seek to be

have been reported in about 0.5 - 2 percent of patents but did not ap, pared to placebo or other treatments used in controlled trials: gastric imi vombing, diarnhea, ancrexis, constipation, aphthous ulcers, peptic laise, fatigue, insomnia, dry mouth, dyspnea, alopecia, paresthesias.

natiss, glossitis, dyspepsia. cluding aplastic and hemolytic. hepatitis, including rare cases of hepatic necrosis, cholestasis

neumonitis, rhinitis.

stologic: A positive ANA has been rep Function Tests: Elevations of liver a bilirubin have occurred.

on of hypotension

alkaline phosphatase, and

hypotension would be of primary concern. Volume expansion with an usion of normal saline is the treatment of choice for restoration of blood

ptopril may be removed from the adult circulation by hemodialysis, there is te data concerning the effectiveness of hemodialysis for removing it from the n of reconates or children. Peritoneal dialysis is not, effective for removing there is no information concoming exchange transfusion for removing captoril om the general circulation.
OSAGE AND ADMINISTRATION

association of therapy requires consideration of recent antihypertensive thrent, like extent of blood pressure elevation, salt restriction, and other clinical cances. If possible, discontinue the patient's previous antihypertensive drug for one week before starting CAPOTEN.

al dose or con n of blood pressure ha ased to 100 mg daily in Solal when CAPC een achieved after one or two weeks, the dose ma two divided doses. Concomitant sodium restriction in one or two divided OTEN is used alone. we beneficial when CAPOTEN is used atone. blood pressure has not been satisfactorily controlled after one to two weeks at this (and the patient is not already receiving a diuretic) a modest dose of a thiszide-futuretic (e.g., hydrochlorothiszide, 25 mg daily), should be added. The diuretic dose increased at one-to-two-week intervals until its highest usual antihypertensive

nay be increased at one-to the behavior of the patient already receiving a diuretic. CAPOTEN the doe initiated under close medical supervision (see WARNINGS), with dosage not of CAPOTEN as noted above. CAPOTEN is being started in a pat

If further blood pressure reduction is required, the dose may be increased incrementally (while continuing the duretic) and a lid dosage schedule may be considered. The dose of CAPOTEN in hypertension usually does not exceed 150 mg/day. A maximum daily APOTEN in hypertension usually does of 450 mg CAPOTEN should not be ex are hypertension (e.g., accelerated or m ent antihypertensive therapy is not practical more normotensive blood pressure levels rary di hen prompt titration to more normoter

dicated, diuretic should be continued but other current antihype sage promptly initiated at 25 mg bid or tid, under close and CAPOTEN dos record supervision. Then necessitated by the patient's clinical condition, the daily dose of CAPOTEN may necessary devery. 24 hours or less under continuous medical supervision until as testination of the patient of the patient

eta-blockers may also be used in conjunction with CAPOTEN therapy (see RECAUTIONS IDrug interactions)), but the effects of the two drugs are less than

leart failure: Initiation of therapy requires consideration of recent diuretic therap re possibility of severe salt/volume depletion. In patients with either normal or low ressure, who have been vigorously treated with diuretics and who may be hypona tessure, who have been vigo obay used with united and mining or may be made and or hypovolemic, a starting dose of 6.25 mg bid or tid, or of 12.5 mg bid or tid, may inimize the magnitude or duration of the hypotensive effect (See WARNINGS, ninimize the magnitude or duration of the hypotensive effi hypotension); for these patients, titration to the usual daily dosage

next several days. or most patients the usual initial daily dosage is 25 mg bid or tid. After or most papers are subseries in disease in design about 20 mg eas and 74 feet access cold, do or lid or reached. Further increases in design about 20 mg ease of the cold of

CAPOTEN therapy must be missed under very dose medical supervision. Mycocratel Infraction: Therapy may be initiated as early as there days following a impocratel infraction. After an initial cose of 6.25 mg, captorel therapy should, be increased to 3.57 mg days in glivided closes as biosterial, caliport should then be increased as blented to 1.5 mg at day in divided closes outing the insist several sleps and to sinfal significant of 150 mg days in closed closes outing the insist several sleps and it is myclorized in producing the control of it is myclorized in the control of the control of the control of the control of startings as all developed the larged close of 150 mg days like the based on their patients.

tolerance to captopril.

aptopril may be used in patients treated with other post-myocardial inf Captoria may be used in patients trained with other post-mycocardial infarction. Invergous, e.g., principológica, assigni, bud Bookern, Dilabetic Nephropathyr in pelentra with cubables rephropathyr in percentra with cubables rephropathyr in percentra with cubables rephropathyr in percentra with cubables rephropathyr in percentral report of the percent of the percentral report of the percentral report of the percent of the percentral report of the percent of the percentral report of th

aptopril) is excreted primarily by the kidneys, excretion rates are reduced in patients th impaired renal function. These patients will take longer to reach steady-state propril levels and will reach higher steady-state levels for a given daily dose than atients with normal renal function

Accordingly, for patients with significant renal impairment, initial daily dosage of CAPOTBN (capotar) should be relocated, and smaller increments utilized for titration, which should be quite story (one-to two-weeks intervals). After the desired therespected effect has been achieved, the dose should be slowly back-titrated to determine the minimal effective dose. When concordinant disverte therepy is required, a loop distrated (e.g., fusceemed), a thank than a thistocide durinet, is preferred in patients with severe renal

HOW SUPPLIED

Boxes of 3 strips x 10 tablets of 25 mg Boxes of 3 strips x 10 tablets of 50 mg.

hite and may exhibit a slight sulfurous odor STORAGE

Do not store above 25°C.

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