For the use of a Registered Medical Practitioner or a Hospital or a Laboratory xxxxxxxx-xxxxx

TELDAY-H

TELMISARTAN AND HYDROCHLOROTHIAZIDE TABLETS

LDAY-H: ch uncoated bilayered tablet contains nisartan Ph. Eur. 40 mg drochlorothiazide U.S.P. 12.5 mg

Hydrochlorouna DESCRIPTION

DESCRIPTION
Telmisartan is a non-peptide Angiotensin II receptor (type AT1) antagonist. Telmisartan is chemically described as 4'-[[4-Methyl-6-(1-methyl-1H-benzimidazol-2-yl)-2-propyl-1H-benzimidazol-1-yl] methyl|biphenyl-2-carboxylic acid. Its empirical formula is C33H30N4O2.
Its molecular weight is 514.6 and its structural formula is:

Telmisartan is a white to slightly yellowish crystalline powder. It is practically insoluble in water and slightly soluble in methanol, sparingly soluble in methylene chloride. Hydrochlorothiazide is a white or almost white, odorless, crystalline powder. It is very slightly soluble in water and soluble in acetone, sparingly soluble in ethanol; dissolve in dilute solution of alkali hydroxide. CLINICAL PHARMACOLOGY

Mechanism of Action Telmisartan

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CLINICAL PHARMACOLOGY

Mechanism of Action Telmisartan

Angiotensin II is formed from angiotensin I in a reaction catalyzed by angiotensin-converting
enzyme (ACE, kinnase II). Angiotensin II is the principal pressor agent of the renin-angiotensin
system, with effects that include vasoconstriction, stimulation of synthesis and release of
aldosterone, cardiac stimulation and renal re-absorption of sodium. Telmisartan blocks the
vasoconstrictor and aldosterone-secreting effects of angiotensin II by selectively blocking the
binding of angiotensin II to the AT1 receptor in many tissues, such as vascular smooth muscle
and the adrenal gland. Its action is therefore independent of the pathways for angiotensin II
synthesis. There is also an AT2 receptor found in many tissues, but AT2 is not known to be
associated with cardiovascular homeostasis. Telmisartan has much greater affinity (>3,000 fold)
for the AT1 receptor than for the AT2 receptor. Blockade of the renin-angiotensin system with
ACE inhibitors, which inhibit the biosynthesis of angiotensin II from angiotensin I, is widely used
in the treatment of hypertension. ACE inhibitors also inhibit the degradation of bradykinin, a
reaction also catalyzed by ACE. Because telmisartan does not inhibit ACE (kininase II), it does
not affect the response to bradykinin. Whether this difference has clinical relevance is not yet
known. Telmisartan does not bind to or block other hormone receptors or ion channels known to
be important in cardiovascular regulation. Blockade of the angiotensin II receptor inhibits the
negative regulatory feedback of angiotensin II circulating levels do not overcome the effect of
telmisartan on blood pressure.

Mechanism and Action Phytochlorothiazide.

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Mechanism of Action Hydrochlorothiazide
Hydrochlorothiazide is a thiazide diuretic. Thiazides affect the renal tubular mechanisms of electrolyte re-absorption, directly increasing excretion of sodium and chloride in approximately equivalent amounts. Indirectly, the diuretic action of hydrochlorothiazide reduces plasma volume, with consequent increase in plasma renin activity, increase in aldosterone secretion, increase in urinary potassium loss and decrease in serum potassium. The mechanism of the antihypertensive effect of thiazides is not fully understood.

PHARMACOKINETICS
Telmisartan:

Absorption
Following oral administration, peak concentrations (Cmax) of telmisartan are reached in 0.5-1 hour after dosing. Food slightly reduces the bioavailability of telmisartan, with a reduction in the area under the plasma concentration-time curve (AUC) of about 6% with the 40 mg tablet and about 20% after a 160 mg dose. The absolute bioavailability of telmisartan is dose dependent. At 40 and 160 mg the bioavailability was 42% and 58% respectively. The pharmacokinetics of orally administered telmisartan is nonlinear over the dose range of 20-160 mg, with greater than proportional increases of plasma concentrations with increasing doses.

Distribution
Telmisartan is highly bound to plasma proteins (>99.5%), mainly albumin and a1-acid glycoprotein. Plasma protein binding is constant over the concentration range achieved with recommended doses. The volume of distribution for telmisartan is approximately 500 liters, indicating additional tissue binding.

Metabolism and Excretion
Telmisartan is metabolized by conjugation to form a pharmacologically inactive acylglucuronide; the glucuronide of the parent compound is the only metabolite that has been identified in human plasma and urine. After a single dose, the glucuronide represents approximately 11% of the measured radioactivity in plasma. The cytochrome P450 isoenzymes are not involved in the metabolism of telmisartan. Total plasma clearance of telmisartan is >800 ml/min. Terminal half-life and total clearance appear to be independent of dose.

Hydrochlorothiazide:

Hydrochlorothiazide:

After oral dose, diuresis begins within 2 hours, peaks in about 4 hours and lasts about 6 to 12 hours. Hydrochlorothiazide is not metabolized but is eliminated rapidly by the kidney. When plasma levels have been followed for at least 24 hours, the plasma half-life has been observed to vary between 5.6 and 14.8 hours. At least 61 percentage of the oral dose is eliminated unchanged within 24 hours. Hydrochlorothiazide crosses the placental but not the blood-brain barrier and is excreted in breast milk.

INDICATIONS

Fixed dose combination of Telmisartan and Hydrochlorothiatids in the last of the last of

HXEG 00SE COMDITIATION I Termisartant and Frystochiocontactor is a hypotensional Hypotension.

DOSAGE AND DMINISTRATION

The usual starting dose of telmisartan is 40 mg once a day; blood pressure response is dose related over the range of 20-80 mg. Patients with depletion of intravascular volume should have the condition corrected or telmisartant tablets should be initiated under close medical supervision (see WARNINGS, Hypotension in Volume Depleted Patients). Patients with biliary obstructive disorders or hepatic insufficiency should have treatment started under close medical supervision (see PRECAUTIONS). Hydrochlorothiazide is effective in doses of 12.5 mg to 50 mg once daily. The recommended dose of Telday-H tablets is once a day. Telday-H can be administered with orther antihypertensives. Telday-H can be administered with or without food.

CONTRAINDICATIONS

**Telday-H* tablet is contraindicated in patients who are hypersensitive to any component of this

I HAINDICATIONS ay-H tablet is contraindicated in patients who are hypersensitive to any component of this

- product.

 This product is contraindicated in patients with anuria or hypersensitivity to other sulfonamide derived drugs because of hydrochlorothiazide component of product.

 Second and third trimesters of pregnancy.

 Cholestasis and biliary obstructive disorders.

 Severe hepatic impairment. Severe renal impairment (creatinine clearance <30 ml/min).

 Refractory hypokalaemia, hypercalcaemia.

USE IN PREGNANCY
When used in precon-

USE IN PREGNANCY
When used in pregnancy during the second and third trimesters, drugs that act directly on the renin-angiotensin system can cause injury and even death to the developing fetus. When pregnancy is detected, Telday-H (telmisartan and hydrochlorothiazide) tablets should be discontinued as soon as possible (see WARNINGS, Fetal/Neonatal Morbidity and Mortality).

Telmisartan
Fetal/Neonatal Morbidity and Mortality
Prugs that act directly on the renin-angiotensin system can cause fetal and neonatal morbidity
and death when administered to pregnant women. When pregnancy is detected Telmisartan
should be discontinued as soon as possible as it can cause injury and death to the developing
foetus, when used in pregnancy during second and third trimester of pregnancy. The use of
drugs that act directly on the renin-angiotensin system during the second and third trimesters of
pregnancy has been associated with fetal and neonatal injury, including hypotension, neonatal

skull hypoplasia, anuria, reversible or irreversible renal failure, and death. Oligohydramnios has also been reported, presumably resulting from decreased fetal renal function; oligohydramnios in this setting has been associated with fetal limb contractures, craniofacial deformation, and hypoplastic lung development. Prematurity, intrauterine growth retardation, and patent ductus arteriosus have also been reported, although it is not clear whether these occurrences were due to exposure to the drug. These adverse effects do not appear to have resulted from intrauterine drug exposure that has been limited to the first trimester. Mothers whose embryos and fetuses are exposed to an angiotensin II receptor antagonist only during the first trimester should be so informed. Nonetheless, when patients become pregnant, physicians should have the patient discontinue the use of telmisartan as soon as possible. Should the medication be continued, the mothers should be apprised of the potential hazards to their fetuses, and serial ultrasound examinations should be performed to assess the intra-amniotic environment. If oligohydramnios is observed, telmisartan should be discontinued unless they are considered lifeasuring for the mother. Contraction stress testing (CST), a non-stress test (NST), or biophysical profiling (BPP) may be appropriate, depending upon the week of pregnancy. Patients and physicians should be aware, however, that oligohydramnios may not appear until after the fetus has sustained irreversible injury. There is no clinical experience with the use of telmisartan in pregnant rats at oral doses of up to 50 mg/kg/day and to pregnant rabbits at oral doses of up to 50 mg/kg/day and to pregnant rabbits at oral doses of up to 50 mg/kg/day and to pregnant rabbits at oral doses of with the superior position of telmisartan, or treatment should start under close medical supervision with a reduced dose. If hypotension does occur, the patient should be placed in the supine position and, if necessary, given an intravenous skull hypoplasia, anuria, reversible or irreversible renal failure, and death, Oliophydramnios has

water to with our to unnout a nistory of allergy or bronchial asthma, but are more likely in patients with such a history.

Systemic Lupus Erythematosus: Thiazide diuretics have been reported to cause exacerbation or activation of systemic lupus erythematosus.

Lithium interaction: Lithium generally should not be given with thiazides.

Acute Myopia and Secondary Angle-Closure Glaucoma: Hydrochlorothiazide, a sulfonamide, can cause an idiosyncratic reaction, resulting in acute transient myopia and acute angle-closure glaucoma. Symptoms include acute onset of decreased visual acutly or ocular pain and typically occur within hours to weeks of drug initiation. Untreated angle-closure glaucoma can lead to permanent vision loss. The primary treatment is to discontinue hydrochlorothiazide as rapidly as possible. Prompt medical or surgical treatments may need to be considered if the intracoular pressure remains uncontrolled. Risk factors for developing acute angle-closure glaucoma may include a history of sulfonamide or penicillin allergy.

PRECAUTIONS

Serum Electrolytes

In controlled trials using the telmisartan/hydrochlorothiazide combination treatment, no patient administered 40/12.5 mg, 80/12.5 mg or 80/25 mg had a decrease in potassium ≥1.4 mEq/L, and no patient experienced hyperkalemia. No discontinuations due to hypokalemia occurred during treatment with the telmisartan/hydrochlorothiazide combination. The absence of significant changes in serum potassium levels may be due to the opposing mechanisms of action of telmisartan and hydrochlorothiazide on potassium excretion on the kidney. Hydrochlorothiazide

significant changes in serum potassium levels may be due to the opposing mechanisms of action of telmisartan and hydrochlordhiazide on potassium excretion on the kidney.
Hydrochlorothiazide
Periodic determinations of serum electrolytes to detect possible electrolyte imbalance should be performed at appropriate intervals. All patients receiving thiazide therapy should be observed for clinical signs of fluid or electrolyte imbalance; hyponatremia, hypochloremic alkalosis, and hypokalemia. Serum and urine electrolyte determinations are particularly important when the patient experiences excessive vomiting or receives parenteral fluids. Warning signs or symptoms of fluid and electrolyte imbalance, irrespective of cause, include dryness of mouth, thirst, weakness, lethargy, drowsiness, restlessness, conflusion, seizures, muscle pains or cramps, muscular fatigue, hypotension, oliguria, tachycardia, and gastrointestinal disturbances such as nausea and vomiting. Hypokalemia may develop, especially with brisk diuresis, when severe cirrhosis is present, or after prolonged therapy. Interference with adequate oral electrolyte intake will also contribute to hypokalemia. Hypokalemia may cause cardiac arrhythmia and may also sensitize or exaggerate the response of the heart to the toxic effects of digitalis (e.g., increased ventricular irritability). Although any chloride deficit is generally mild and usually does not require specific treatment except under extraordinary circumstances (as in liver disease or renal disease), chloride replacement may be required in the treatment of metabolic alkalosis. Dilutional hyponatremia may occur in edematous patients in hot weather, appropriate therapy is water restriction, rather than administration of salt except in rare instances when the hyponatremia is life-threatening. In actual salt depletion, appropriate replacement is the therapy of choice. Hyperrulcemia may occur ov frank gout may be precipitated in cretain patients receiving thiazide therapy. In diabetic patients dosage adjus

letinisartan
As the majority of telmisartan is eliminated by biliary excretion, patients with biliary obstructive
disorders or hepatic insufficiency can be expected to have reduced clearance. Telmisartan and
hydrochlorothiazide tablets should therefore be used with caution in these patients.
Impaired Renal Function

Impaired Renal Function
Telmisartan
As a consequence of inhibiting the renin-angiotensin-aldosterone system, changes in renal function may be anticipated in susceptible individuals. In patients whose renal function may depend on the activity of the renin-angiotensin-aldosterone system (e.g., patients with severe congestive heart failure), treatment with angiotensin-converting enzyme inhibitors and angiotensin receptor antagonists has been associated with oliguria and/or progressive azotemia and (rarely) with acute renal failure and/or death. Similar results may be anticipated in patients treated with telmisartan. In studies of ACE inhibitors in patients with unilateral or bilateral renal artery stenosis, increases in serum creatinine or blood urea nitrogen were observed. There has been no long-term use of telmisartan in patients with unilateral or bilateral renal artery stenosis but an effect similar to that seen with ACE inhibitors should be anticipated.

Hydrochlorothiazide

Indication of the property of Dual Blockade of the Renin-angiotensin-aldosterone System

Telmisartan
As a consequence of inhibiting the renin-angiotensin-aldosterone system, changes in renal function (including acute renal failure) have been reported. Dual blockade of the renin-angiotensin-aldosterone system (e.g., by adding an ACE-inhibitor to an angiotensin li receptor antagonist) should include close monitoring of renal function. The ONTARGET trial enrolled 25,620 patients >55 years old with atherosclerotic disease or diabetes with end-organ damage, randomized them to telmisartan only, ramipril only, or the combination, and followed them for a median of 56 months. Patients receiving the combination of telmisartan and ramipril did not obtain any additional benefit on the composite endpoint of cardiovascular death, myocardial infarction, stroke and heart failure hospitalization compared to monotherapy, but experienced an increased incidence of clinically important renal dysfunction (e.g., acute renal failure) compared with groups receiving telmisartan alone or ramipril alone. Co-administration of telmisartan and ramipril increases the exposure to both ramipril and ramiprilat by a factor of about 2. Concomitant use of telmisartan and ramipril is not recommended.

CARCINOGENESIS, MUTAGENESIS, IMPAIRMENT OF FERTILITY Telmisartan.

CARCINOGENESIS, MUTAGENESIS, IMPAIRMENT OF FERTILITY Telmisartan

There was no evidence of carcinogenecity when telmisartan was administered in the diet to mice and rats for up to 2 years. The highest doses administered to mice (1000 mg/kg/day) are, an a mg/m² basis, about 59 and 13 times, respectively, the maximum recommended human dose (MRHD) of telmisartan (80mg/day). Genotoxicity assays did not reveal any telmisartan-telated effects at either the gene or chromosome level. These assays included bacterial mutagenicity tests with Salmonella and E coil (Ames), a gene mutation test with Chinese hamster V79 cells, a cytogenetic test with human lymphocytes, and a mouse micronucleus test.No drug-related effects on the reproductive performance of male and female rats were noted at 100 mg/kg/day (the highest dose administered), about 13 times, on a mg/m² basis, the MRHD of telmisartan. This dose in the rat resulted in an average systemic exposure (telmisartan AUC as determined on day 6 of pregnancy) at least 50 times the average systemic exposure in humans at the MRHD (80 mg/day).

Hydrochlorothiazide

There was no evidence of carcinogenicity when hydrochlorothiazide was administered in the diet

to mice and rats. Genotoxicity assays did not reveal any hydrochlorothiazide related effects at either the gene or chromosome level.

Carcinogenicity:

Hydrochlorothiazide had no adverse effects on the fertility of mice and rats of either sex in studies wherein these species were exposed, via their diet, to doses of up to 100 and 4 mg/kg, respectively, prior to mating and throughout gestation.

Pregnancy
Telmisartan
Pregnancy Categories C (first trimester) and D (second and third trimesters) (see WARNINGS, Fetal/Neonatal Morbidity and Mortality)
Hydrochlorothiazide

NUTSING WOLDER'S TECHNISATION. TECHNISATION WHETHER THE METER THE

Hydrochlorothiazide
Thiazides are excreted in breast milk. Because of the potential for serious adverse reactions in nursing inflants, a decision should be made whether to discontinue nursing or to discontinue hydrochlorothiazide, taking into account the importance of the drug to the mother.

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

Geriatric Use: No overall differences in effectiveness and safety were observed in these patients compared to younger patients and other reported clinical experience has not identified differences in responses between the elderly and younger patients, but greater sensitivity of some older individuals cannot be ruled out.

DRUG INTERACTIONS DRUG INTERACTIONS

DRUG INTERACTIONS
General
Medicinal products associated with potassium loss and hypokalaemia (e.g. other kaliuretic diuretics, laxatives, corticosteroids, ACTH, amphotericin, carbenoxolone, penicillin G sodium, salicylic acid and derivatives): If these substances are to be prescribed with the hydrochlorothiazide - telmisartan combination, monitoring of potassium plasma levels is advised. These medicinal products may potentiate the effect of hydrochlorothiazide on serum potassium. Medicinal products that may increase potassium evels or induce hyperkalaemia (e.g. ACE inhibitors, potassium-sparing diuretics, potassium supplements, salt substitutes containing potassium, cyclosporin or other medicinal products such as heparin sodium): If these medicinal products are to be prescribed with the hydrochlorothiazide-telmisartan combination, monitoring of potassium plasma levels is advised. Based on the experience with the use of other medicinal products that blunt the renin-anglotensin system, concomitant use of the above medicinal products may lead to increases in serum potassium and is, therefore, not recommended. Medicinal products affected by serum potassium disturbances: Periodic monitoring of serum potassium and ECG is recommended when telmisartan and hydrochlorothiazide combination is administered with medicinal products affected by serum potassium disturbances (e.g. digitalis glycosides, antiarntyhtmics), hypokalaemia being a predisposing factor to torsades de pointes.

(which include some antiarrhythmics), hypokalaemia being a predisposing factor to torsades de pointes.

- class la antiarrythmics (e.g. quinidine, hydroquinidine, disopyramide)

- class III antiarrythmics (e.g. amiodarone, sotalol, dofetilide, ibutilide)

- some antipsychotics (e.g. thioridazine, chlorpromazine, levomepromazine, trifluoperazine, cyamemazine, sulprinde, sultopride, amisulpride, tiapride, pimozide, haloperidol, droperidol)

- others (e.g. bepridi, cisapride, diphemanii, erythromycin IV, halofantrin, mizolastin, pentamidine, sparfloxacine, terfenadine, vincamine IV.)

Based on their pharmacological properties it can be expected that the following medicinal product may potentiate the hypotensive effects of all antihypertensives including telmisartan: Baclofen, amifostine.

Baclofen, amilostine.

Telmisartan

Digoxin: When telmisartan was co-administered with digoxin, median increases in digoxin peak plasma concentration (49%) and in trough concentration (20%) were observed. It is, therefore, recommended that digoxin levels be monitored when initiating, adjusting, and discontinuing telmisartan to avoid possible over- or under-digitalization.

Warfarin: Telmisartan administered for 10 days slightly decreased the mean warfarin trough plasma concentration; this decrease did not result in a change in International Normalized Ratio (INR).

Other Drugs: Co-administration of telmisartan did not result in a clinically significant interaction with acetaminophen, amlodipine, glibenclamide, simvastatin, hydrochlorothiazide or ibuprofen. Telmisartan is not metabolized by the cytochrome P450 system and had no effects in vitro or cytochrome P450 enzymes, except for some inhibition of CYP2C19. Telmisartan is not expected to interact with drugs that inhibit cytochrome P450 enzymes; it is also not expected to interact with drugs metabolized by cytochrome P450 enzymes, except for possible inhibition of the metabolism of drugs metabolized by CYP2C19.

Lithium

Reversible increases in serum lithium concentrations and toxicity have been reported during concomitant administration of lithium with angiotensin converting enzyme inhibitors. Cases have also been reported with angiotensin II receptor antagonists including telmisartan. Because lithium should not be used with diuretics, the use of lithium with telmisartan and hydrochlorothiazide is not recommended.

Non-Steroidal Anti-Inflammatory Agents including Selective Cyclooxygenase-2 Inhibitors (COX-2 Inhibitors) in patients who are elderly, volume-depleted (including those on diuretic therapy), or with

Inhibitors!

Inhibitors who are elderly, volume-depleted (including those on diuretic therapy), or with compromised renal function, co-administration of NSAIDs, including selective COX-2 inhibitors, with angiotensin II receptor antagonists, including telmisartan, may result in deterioration of renal function, including possible acute renal failure. These effects are usually reversible. Monitor renal function periodically in patients receiving telmisartan and NSAID therapy. The antihypertensive effect of angiotensin II receptor antagonists, including telmisartan may be attenuated by NSAIDs including selective COX-2 inhibitors.

Ramipril and Ramiprilat

Co-administration of telmisartan 80 mg once daily and ramipril 10 mg once daily to healthy subherts increases stead-vestate Cmax and AUC of ramipril 2.3 and 2.1 fold, respectively, and

Ramipril and Ramiprilat
Co-administration of telmisartan 80 mg once daily and ramipril 10 mg once daily to healthy
subjects increases steady-state Cmax and AUC of ramipril 23 and 2.1 fold, respectively, and
Cmax and AUC of ramiprilat 2.4 and 1.5 fold, respectively. In contrast, Cmax and AUC of
telmisartan decrease by 31% and 16%, respectively. When co-administering telmisartan and
ramipril, the response may be greater because of the possibly additive pharmacodynamic effects
of the combined drugs, and also because of the increased exposure to ramipril and ramiprilat in
the presence of telmisartan.

Hydrochlorothiazide: When administered concurrently, the following drugs may interact with
thiazide diuretics.

Alcohol, barbiturates, or narcotics: Potentiation of orthostatic hypotension may occur.

Antidiabetic drugs (oral agents and insulin): Dosage adjustment of the antidiabetic drug may
be required.

quired. rantihypertensive drugs: Additive effect or potentiation.
setyramine and colestipol resins: Absorption of hydrochlorothiazide is impaired in the
nece of anionic exchange resins. Single doses of either cholestyramine or colestipol resins
the hydrochlorothiazide and reduce its absorption from the gastrointestinal tract by up to
and 47% resentiusly. ind the hydrochlorotniazuse and records as a construction of the hydrochlorotniazuse and several special speci

Pressor amines (e.g., norepinephrine): Possible decreases community sufficient to predude their use.

Skeletal muscle relaxants, nondepolarizing (e.g., tubocurarine): Possible increased responsiveness to the muscle relaxant.

responsiveness to the muscle relaxant.

Lithium: Should not generally be given with diuretics. Diuretic agents reduce the renal clearance of lithium and add a high risk of lithium toxicity. Refer to the package insert for lithium preparations before use of such preparations with Telday-H.

Mon-steroidal anti-inflammatory drugs: In some patients, the administration of a non-steroidal anti-inflammatory agent can reduce the diuretic, natiruretic, and antihypertensive effects of loop, potassium-sparing and thiazide diuretics. Therefore, when Telday-H and non-steroidal anti-inflammatory agents are used concomitantly, the patient should be observed closely to determine if the desired effect of the diuretic is obtained.

Digitalis glycosides: Thiazide-induced hypokalaemia or hypomagnesaemia favours the onset of digitalis induced arrhythmia.

anti-inflammatory agents are used concernment, determine if the desired effect of the diuretic is obtained.
Digitalis glycosides: Thiazide-induced hypokalaemia or hypomagnesaemia favours the onset of digitalis induced arrhythmia.

Mettormin: Metformin should be used with precaution: risk of lactic acidosis induced by a possible functional renal failure linked to hydrochlorothiazide.

Medicinal products used in the treatment for goot (e.g. probenecid, sulfinpyrazone and allopurinol): Dosage adjustment of uricosuric medications may be necessary as hydro-chlorothiazide may raise the level of serum uric acid. Increase in dosage of probenecid or sulfinpyrazone may be necessary. Co-administration of thiazide may increase the incidence of hypersensitivity reactions of allopurinol.

Calcium salts: Thiazide diuretics may increase serum calcium levels due to the decreased excretion. If calcium supplements must be prescribed, serum calcium levels should be monitored and calcium dosage adjusted accordingly.

Beta-blockers and diazoxide: The hyperglycaemic effect of beta-blockers and diazoxide may be enhanced by thiazides. Anticholinergic agents (e.g. atropine, biperiden) may increase the bioavailability of thiazide-type diuretics by decreasing gastrointestinal motility and stomach emptying rate.

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Amantadine: Thiazides may increase the risk of adverse effects caused by amantadine. Cytotoxic agents (e.g. cyclophosphamide, methotexate): Thiazides may reduce the renal excretion of cytotoxic medicinal products and potentiate their myelosuppressive effects.

ADVERSE EFFECTS

Fixed Dose Combination of Telmisartan & hydrochlorothiazide has been evaluated for safety in

over 1700 patients, including 716 treated for over six months and 420 for over one year. In clinical trials with Fixed Dose Combination of Telmisartan & hydrochlorothiazide, no unexpected adverse events have been observed. Adverse experiences have been limited to those that have been previously reported with telmisartan and/or hydrochlorothiazide. The overall incidence of adverse experiences reported with the combination was comparable to placebo. Most adverse experiences were mild in intensity and transient in nature and did not require discontinuation of

Tabel-1: Adverse Events occurring in ≥ 2% of

	Telmisartan + HCTZ	Placebo	Telmisartan	HCTZ
Body as whole Fatigue Influenza like symptom	3 2	1 1	3 2	3
CNS/PNS Dizziness	5	1	4	6
Gastrointestinal System Diarrhoea	3	0	5	2
Nausea	2	0	1	2
Respiratory disorder Sinusitis Upper respiratory	4	3	3	6
tract infection	8	7	7	10

"includes all doses of telmisartan (20-160 mg), hydrochlorothiazide (6.25-25 mg), and combinations there of CNS - Central Nervous System PNS- Peripheral Nervous System The following adverse events were reported at a rate less than 2% in patients treated with telmisartan/hydrochlorothiazide and at a greater rate than in patients treated with placebo: back pain, dyspepsia, vomiting, tachycardia, hypokalemia, bronchitis, pharyngitis, rash, hypotension postural, abdominal pain. Finally, the following adverse events were reported at a rate of 2% or greater in patients treated with telmisartan/hydrochlorothiazide, but were as, or more common in the placebo group: pain, headache, cough, urinary tract infection. Adverse events occurred at approximately the same rates in men and women, older and younger patients, and black and non-black patients.

Telmisartan

Other adverse experiences that have been reported with telmisartan without recent to succeed to succeed to succeed to the control of the radius of the succeed to succeed to succeed to succeed to succeed the succeed to succeed to succeed the succeed to succeed th

Telmisartan
Other adverse experiences that have been reported with telmisartan, without regard to causality, are listed below:
Autonomic Nervous System: impotence, increased sweating, flushingBody as a Whole: allergy, fever, leg pain, malaise, chest pain
Cardiovascular: palpitation, dependent edema, angina pectoris, leg edema, abnormal ECG, hypertension, peripheral edema
CNS: insomnia, somnolence, migraine, vertigo, paresthesia, involuntary muscle contractions, hypoaesthesia
Gastrointestinal: flatulence, constituation, gastritis, dry, mouth, hemorrhoids, gastroenteritis.

rypoaessinesia Gastrointestinal: flatulence, constipation, gastritis, dry mouth, hemorrhoids, gastroenteritis, enteritis, gastroesophageal reflux, toothache, non-specific gastrointestinal disorders Metabolic: gout, hypercholesterolemia, diabetes mellitus. Musculoskeletal: arthritis, arthralgia, leg cramps, myalgiaPsychiatric: anxiety, depression, procession, and the second second

nervousness

Resistance Mechanism: infection, fungal infection, abscess, otitis media.

Respiratory: asthma, filinible, c.,
Skin: dermatitis, ezcema, pruritus
Urinary: miculturition frequency, cystitis.
Vascular: cerebrovascular disorder.
Special Senses: abnormal vision, conjunctivitis, tinnitus, earache.
A single case of angioedema was reported (among a total of 3781 patients treated with telmisartan). A single case to anglocomia was reported (among a total of 3761 patients treated with telmisartan).

Hydrochlorothiazide
Other adverse experiences that have been reported with hydrochlorothiazide, without regard to causality, are listed below:
Body as a whole: weakness
Digestive: pancreatitis, jaundice (intrahepatic cholestatic jaundice), sialadentitis, cramping, astric irritation.

Body as a whole: weakness
Digestive: pancreatitis, jaundice (intrahepatic cholestatic jaundice), sialadenitis, cramping,
gastric irritation.
Hematologic: aplastic anemia, agranulocytosis, leukopenia, hemolytic anemia, thrombocytopenia.
Hypersensitivity: purpura, photosensitivity, urricaria, necrotizing angiitis (vasculitis and
cutaneous vasculitis), fever, respiratory distress including pneumonitis and pulmonary edema,
anaphylactic reactions.
Metabolic: hyperglycemia, glycosuria, hyperuricemia.
Musculoskeletal: muscle spasm
Nervous System/Psychiatric: restlessness.
Renal: renal failure, renal dysfunction, interstitial nephritis.
Skin: erythema multiforme including Stevens-Johnson syndrome, exfoliative dermatitis including
toxic epidermal necrolysis.
Special Senses: transient blurred vision, xanthopsia.
Other adverse effects: bronchitis, pharyngitis, sinusitis, sleep disorder, visual disturbances,
hyperhidrosis, limb pain, influenza-like illness, creatinine phosphokinase increased.
OVERDOSAGE
There is limited information available for telmisartan with regard to overdose in humans.The

hyperhidrosis, limb pain, Influenza-like illness, creatinine phosphokinase increased.
OVERDOSAGE
There is limited information available for telmisartan with regard to overdose in humans. The degree to which hydrochlorothiazide is removed by haemodialysis has not been established.
Symptoms: The most prominent manifestations of telmisartan overdose were hypotension and tachycardia; bradycardia, dizziness, vomiting, increase in serum creatinine, and acute renal failure have also been reported.
Overdose with hydrochlorothiazide is associated with electrolyte depletion (hypokalaemia, hypochloraemia) and hypovolaemia resulting from excessive diuresis. The most common signs and symptoms of overdose are nausea and somnolence. Hypokalaemia may result in muscle spasms and/or accentuate arrhythmia associated with the concomitant use of digitalis glycosides or certain anti-arrhythmic medicinal products.

Treatment: Telmisartan is not removed by haemodialysis. The patient should be closely monitored, and the treatment should be symptomatic and supportive. Management depends on the time since ingestion and the severity of the symptoms. Suggested measures include induction of emesis and/or gastric lavage. Activated charcoal may be useful in the treatment of overdose. Serum electrolytes and creatinine should be monitored frequently. If hypotension occurs, the patient should be placed in a supine position, with salt and volume replacements given quickly.

FXPIRY DATE Do not use later than the date of expiry. **STORAGE**

30°C, protected from moisture. PRESENTATION
TELDAY-H is available in strip of 10 tablets.

Manufactured by : TORRENT PHARMACEUTICALS LTD. Baddi 173 205, Dist. Solan (H.P.) INDIA

Telday-H