

COMPOSITION: FREEDEP 50mg: Each film coated tablet of Sertraline....50mg as Sertraline HCL USP. (USP Specs.)

Each film coated tablet contains: Sertraline...100mg as Sertraline HCL USP. (USP Specs.)

FREEDEP 100mg:

فري ڏيہ

Predep (Sertraline HCI) is a selective serotonin reuptake inhibitor (SSRI) for oral administration. It is chemically unrelated to other SSRIs, tricyclic, tetracyclic, or other available antidepressant agents

CLINICAL PHARMACOLOGY

DESCRIPTION

CLINCAL PHARMACOLOGY Pharmacodynamics The mechanism of action of sertraline is presumed to be linked to its inhibition of CNS neuronal uptake of serotonin (5HT). Studies at clinically relevant doses in man have demonstrated that sertraline blocks the uptake of serotonin into human platelets. In vitro studies in animals also suggest that sertraline is a potent and selective inhibitor of neuronal reuptake. In vitro studies have shown that sertraline has no significant affinity for adrenergic (alpha1, alpha2, beta), cholinergic, GABA, dopaminergic, histaminergic, serotonergic (5HT _{in} 5HT_{in}, 5HT₂), or benzodiazepine receptors; antagonism of such receptors has been hypothesized to be associated with various anticholinergic, sedative, and cardiovascular elfects for other psychotropic drugs. Sertraline does not inhibit monoamine oxidase.

Pharmacokinetics

Pharmacokinetics Systemic Bioavaiiability: In man, following oral once-daily dosing over the range of 50 to 200 mg for 14 days, mean peak plasma concentrations (C_{max}) of sertraline occurred between 4.5 to 8.4 hours post-dosing. The average terminal elimination half-life of plasma sertraline is about 26 hours. Based on this pharmacokinetic parameter, steady-state sertraline plasma levels should be achieved after approximately one week of once-daily dosing. AUC was slightly increased where drug was administered with food but the C_{max} was 25% greater, while the time to reach peak plasma concentration decreased from 8 hours post-dosing to 5.5 hours. Metabolism: Sertraline undergoes extensive first pass metabolism. Unchanged sertraline was not detectable in the urine. For the same period, about 40-45% of the administered radioactivity was accounted for in feces, including 12-14% unchanged sertraline. Protein Binding: In vitro protein binding studies performed with radiolabeled 3 H-sertraline showed that sertraline is highly bound to serum proteins (98%) in the range of 20 to 500 ng/ml. ng/ml

Age: Settraline plasma clearance in a group of 16 (8 male, 8 female) elderly patients treated for 14 days at a dose of 100 mg/day was approximately 40% lower than in a similarly studied group of younger (25 to 32 years old) individuals. Steady state, therefore, should be achieved after 2 to 3 weeks in older patients. Liver Disease: As might be predicted from its primary site of metabolism, liver impairment can effect the elimination of sertraline. The elimination half-life of sertraline was prolonged in a single dose study of patients with mild, stable cirrhosis, with a mean of 52 hours compared to 22 hours seen in subjects without liver disease. This suggests that the use of sertraline envisor to patients with liver disease, a lower or less frequent dose should be used. Renal Disease: The pharmacokinetics of sertraline HCI in patients with significant renal dvsfunction have not been determined. dysfunction have not been determined

INDICATIONS

Depression Freedep (Sertraline HCI) is indicated for the treatment of depression. Obsessive-Computsive Disorder Freedep (Sertraline HCI) is indicated for the treatment of obsessive-samplished isoder (OCD), as defined in the DSM-III-R (i.e., the obsessions and compulsions cause marked distress, are time-consuming, or significantly interfere with social or occupational functioning.) Paric Disorder Freedep (Sertraline HCI) is indicated for the treatment of panic disorder, with or without agoraphobia, as defined in DSM-IV. Posttraumatic Stress Disorder (PTSD) Freedep (Sertraline HCI) is indicated for the treatment of Posttraumatic Stress Disorder (PTSD). Freedep (Sertraline HCI) is indicated for the treatment of Premenstural Dysphoric Disorder (PMDD).

DOSAGE AND ADMINISTRATION

Initial Treatment Dosage for Adults Major Depressive Disorder and Obsessive-Compulsive Disorder: Freedep (Sertraline HCI) treatment should the darinistered at a dose of 50 mg once daily. Panic Disorder, Social Anxiety Disorder and PTSD: Freedep (Sertraline HCI) treatment should be initiated with a dose of 25 mg once daily. After one week, the dose should be increased to 50 mg once daily. daily. ncreased to 50 mg once daily

Premenstural Dysphoric Disorder: Freedep (Sertraline HCI) treatment should be initiated Premensural Dysphoric Disorder: Freedep (Sertraline HCI) treatment should be initiated with a dose of 50 mg per day, either daily throughout the menstrual cycle or limited to the luteal phase of the menstrual cycle, depending on physician assessment. Patients not responding to a 50 mg/day dose may benefit from dose increase (at 50 mg increments/menstrual cycle) up to 150 mg per day when dosing daily throughout the menstrual cycle, or 100 mg per day when dosing lutial phase of the menstrual cycle.

While a relationship between dose and effect has not been established for depression, OCD, or panic disorder, patients were dosed in a range of 50-200 mg/day in the clinical trials

demonstrating the effectiveness of sertraline HCI for these indications. Consequently, a dose of 50 mg, administered once daily, is recommended as the initial dose. Patients not responding to a 50 mg dose may benefit from dose increases up to a maximum of 200 mg/day. Given the 24 hour elimination half-life of sertraline HCI, dose changes should not occur at intervals of lace than a twock. of less than 1 week

Sertraline HCI should be administered once daily either in the morning or evening

Sertraline HCI should be administered once daily either in the morning or evening. Dosage for Hepatically Impaired Patients The use of Freedep (Sertraline HCI) in patients with liver disease should be approached with caution. The effects of sertraline in patients with moderate and severe hepatic impairment have not been studied. If sertraline is administered to patients with liver impairment, a lower or less frequent does should be used. Switching Patients to or from a Monoamine Oxidase Inhibitor At least 14 days should elapse between discontinuation of a MAOI and initiation of therapy with Freedep (Sertraline HCI). In addition, at least 14 days should be allowed after stopping Freedep (Sertraline HCI) before starting a MAOI

SIDE EFFECTS

in placebo controlled clinical trials:

Autonomic Nervous System : Ejaculation failure, Increased sweating, Dry mouth Central and Peripheral Nervous System : Dizziness, Tremors, Somnolence, Fatigue, Malaise Gastrointestinal : Anorexia, Constipation, Diarrhea, Dyspepsia, Nausea Psychiatric : Agitation, Insomnia, Decreased libido Skin and Appendages : Rash Special Senses : Abnormal Vision

Male and Female Sexual Dysfunction with SSRIs

Although changes in sexual desire, sexual astisfaction and sexual performance often occur as manifestations of a psychiatric disorder, they may also be a consequence of pharmacological treatment. In particular, some evidence suggests that selective serotonin reuptake inhibitors (SSRIs) can cause such untoward sexual experiences.

DRUG ABUSE AND DEPENDENCE

DRUG ABUSE AND DEPENDENCE Controlled Substance Class: Freedep (Sertraline HCI) is not a controlled substance. Physical and Psychological Dependence: Sertraline HCI has not been systematically studied, in animals or humans, for its potential for abuse, tolerance, or physical dependence. However, the premarketing clinical experience with sertraline HCI dhor treveal any tendency for a withdrawal syndrome or any drug-seeking behavior. As with any new CNS active drug, physicians should carefully evaluate patients for history of drug abuse and follow such patients closely, observing them for signs of sertraline HCI misuse or abuse (e.g., development of tolerance, incrementation of dose, drug-seeking behavior).

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DRUG INTERACTIONS Potential Effects of Co administration of Drugs Highly Bound to Plasma Proteins: Because Freedey (Sertraline HCI) is tightly bound to protein, (e.g., wafarn, digitaxin) may cause a shift in plasma concentrations potentially resulting in an adverse effect. Conversely, adverse effects may result irom displacement of protein bound sertraline HCI to a patient taking another drug which is tightly bound to protein. (e.g., wafarn, digitaxin) conversely, adverse effect. Conversely, adverse effects may result irom displacement of protein bound sertraline HCI to or ther tightly bound drugs.
Cimetidine: In a study sessing disposition of sertraline HCI (100 mg) on the second of 8 days of cimetidine administration (800 mg daily), there were significant increases in sertraline HCI may a hUC (50%). Cmax (24%) and half-life (26%) compared to the placebo group. The clinical significance of these changes is unknown.
NA Active Drugs: In a study comparing the disposition of intravenously administered diazepam before and after 21 days of dosing with either sertraline HCI (50 to 200 mg/day escalating dose) or placebo, there was a 32% decrease relative to baseline for the placebo group (p<0.03). The clinical significance of these changes is unknown.
In a placebo-controlled trial in normal volunteers, the administration of two doses of sertraline HCI dud not significantly alter steady-state lithium levels or the renal clearance of lithium. The risk of using sertraline HCI in combination with other CNS active drugs has not been systematically evaluated. Consequently, caution is adveed if the concominant administration of sertraline HCI and such drugs is required.
Monoamine Oxidase Inhibitors: See CONTRAINDICATIONS and WARNINGS. Drugs Metabolized by P450 2D6: Many antidepressants (

citalopram, fluoxetine, fluvoxamine, paroxetine, sertraline) is clinically warranted, appropriate observation of the patient is advised

observation of the patient is advised. Hypoglycemic Drugs: In a placebo-controlled trial in normal volunteers, administration of sertraline HCI for 22 days (including 200 mg/day for the final 13 days) caused a statistically significant 16% decrease from baseline in the clearance of tolbutamide following an intravenous 1000 mg does. Sertraline HCI administration did not noticeably change either the plasma protein binding or the apparent volume of distribution of tolbutamide, suggesting that the decreased clearance was due to a change in the metabolism of the drug. The clinical significance of this decrease in tolbutamide clearance is unknown. Attenoloi: Sertraline HCI (100 mg) when administered to 10 healthy male subjects had no effect on the beta-adrenergic blocking ability of atenolol. Digoxin: In a placebo-controlled trial in normal volunteers, administration of sertraline HCI for 17 days (including 200 mg/day for the last 10 days) did not change serum digoxin levels on digoxin renal clearance.

WARNINGS

WARNINGS. Cases of serious, sometimes fatal, reactions have been reported in patients receiving sertraline HCI in combination with a monoamine oxidase inhibitor (MAOI). Symptoms of a drug interaction between an SSRI and an MAOI include: hyperthermia, rigidity, myocionus, autonomic instability with possible rapid fluctuations of vital signs, mental status changes that include confusion, irritability, and extreme agitation progressing to delirium and coma. These reactions have also been reported in patients who have recently discontinued an SSRI and have been started on an MAOI. Some cases presented with features resembling neuroleptic malignant syndrome. Therefore, it is recommended that sertraline HCI not be used in combination with an MAOI, or within 14 days of discontinuing treatment with an MAOI. Similarly, at least 14 days should be allowed after stopping sertraline HCI before starting an MAOI.

PRECAUTIONS

Precudultures General Activation of Mania/Hypomania: During premarketing testing, hypomania or mania occurred in approximately 0.4% of sertraine HCI treated patients. Weight Loss: Significant weight loss may be an undesirable result of treatment with Freedep (Sertraine HCI) for some patients, but on average, patients in controlled trials had minimal, 1 to 2 pound weight loss, versus smaller changes on placebo. Only rarely have sertraine patients been discontinued for weight loss. Seizure: Sertraine HCI has not been evaluated in patients with a seizure disorder. These patients were excluded from clinical studies during the product's premarket testing. No seizures were observed among approximately 3000 patients treated with sertraine HCI in the development program for depression. However, 4 patients out of approximately 1800 (220 - 18 years of age) exposed during the development program for obsessive-compulsive disorder experienced seizures, representing a crude incidence of 0.2% Accordinaly. sertraline (220 < to years or age) exposed using the bevelopment program for obsessive-compliance disorder experienced seizures, representing a crude incidence of 0.2%. Accordingly, sertraline HCI should be introduced with care in patients with a seizure disorder. Suicide: The possibility of a suicide attempt is inherent in depression and may persist until significant remission occurs. Close supervision of high risk patients should accompany initial drug therapy. Prescriptions for Freedep (Sertraline HCI) should be written for the smallest quantity of tablets consistent with good patient management, in order to reduce the risk of overdose. overdose

Weak Uricosuric Effect: Sertraline HCI is associated with a mean decrease in serum uric Weak Uricosuric Effect: Serfraine HCI is associated with a mean decrease in serum uric acid of approximately 7%. The chinical significance of this weak uricosuric effect is unknown, and there have been no reports of acute renal failure with sertraline HCI in patients with certain concomitant systemic illness: clinical experience with sertraline HCI in patients with certain concomitant systemic illness is limited. Caution is advisable in using sertraline HCI in patients with diseases or conditions that could affect metabolism or hemodynamic responses.

with certain concomitant systemic illness is limited. Caution is advisable in using sertraline HC in patients with diseases or conditions that could affect metabolism or hemodynamic responses. Sertraline HCI has not been evaluated or used to any appreciable extent in patients with a recent history of myocardial infarction or unstable heart disease. However, the electrocardiograms of 774 patients who received sertraline HCI in double-blind trials were evaluated and the data indicate that sertraline HCI is not associated with the development of significant ECG abnormalities. Sertraline HCI is extensively metabolized by the liver. In patients with chronic mild liver impairment, sertraline clearance was reduced, resulting in increased AUC, Cmw, aid elimination half-life. The effects of sertraline in patients with liver disease must be approached with caution. If sertraline is administered to patients with liver mipairment, a lower or less frequent dose should be used. Since sertraline HCI is extensively metabolized, excretion of unchanged drug in urine is a minor route of elimination. A clinical study comparing sertraline pharmacokinetics in healthy volunteers to that in patients with metabolized, excretion of unchanged drug in urine is a minor route sed on the pharmacokinetics rad protein binding are unaffected by renal disease. Based on the pharmacokinetics rules in oneed for dosage adjustment in patients with renal impairment. Interference with cognitive and Motor Performance: In controlled studies, sertraline HCI did not exuese sedation and did not interfere with psychomotor performance. Hyponatremia: Several cases of hyponatremia have been reported and appeared to be syndrome of inappropriate antidiuteric hormone secretion. The majority of these occurrences have been in eldery individuals, some in patients fung diarred platelet function and/or abnormalite volume depleted.

Volume depleted. Platelet Function: There have been rare reports of altered platelet function and/or abnormal results from laboratory studies in patients taking sertraline HCI. While there have been reports of abnormal bleeding or purpura in several patients taking sertraline HCI, it is unclear whether sertraline HCI had a causative role.

Pregnancy, Teratogenic Effects, Pregnancy Category C Reproduction studies have been performed in rats and rabbits at deses up to 80 mg/kg/day and 40 mg/kg/day, respectively. These doses correspond to approximately 4 times the maximum recommended human dose (MRHD) on a mg/m2 basis. There was no evidence of teratogenicity at any dose level. There are no adequate and well controlled studies in pregnant women. Settraline HCI should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Nursing Motheus It is not known whether, and if so in what amount, sertraline or its metabolites are excreted

in human milk, Because many drugs are excreted in human milk, caution should be exercised when Freedep (Sertraline HCI) is administered to a nursing woman.

Geriatric Use

Several hundred elderly patients have participated in clinical studies with sertraline HCI. The pattern of adverse reactions in the elderly was similar to that in younger patients.

OVERDOSE

OVERDOSE Human Experience: In those cases of overdose involving only sertraline HCI, the reported doses ranged from 500 mg to 6000 mg. Symptoms of overdose with sertraline HCI alone included somnolence, nausea, vomiting, tachycardia, ECG changes, anxiety and dilated pupils. Treatment was primarily supportive and included monitoring of and use of activated charcoal, gastric lavage or cathartics and hydration. Although there were no reports of death when sertraline HCI was taken alone, there were 4 deaths involving overdoses of sertraline HCI in combination with other drugs and/or alcohol. Therefore, any overdoses should be treated appressively.

Wilen servarine row was taken without and the analysis of the servarian overdose should be treated aggressively. Management of Overdoses: Treatment should consist of those general measures employed in the management of over dosage with any antidepressant. Ensure an adequate airway, oxygenation, and ventilation. Monitor cardiac rhythm and vital signs. General supportive and symptomatic measures are also recommended. Induction of emesis is not recommended. Gastric lavage with a large-bore orogastric tube with appropriate airway protection, if needed, may be indicated if performed soon after ingestion, or in symptomatic patients. Activated charcoal should be administered. Due to the large volume of distribution of this drug, forced diuresis, dialysis, hemoperfusion, and exchange transfusion are unlikely to be of benefit. No specific antidotes for sertraine are known. In magaging overdosage, consider the possibility of multiple drug involvement. The physician should consider contacting a poison control center on the treatment of any overdose.

CONTRAINDICATIONS Concomitant use in patients taking monoamine oxidase inhibitors (MAOIs) is contraindicated (see WARNINGS). Freedep is contraindicated in patients with a hypersensitivity to sertraline or any of the inactive ingredients in Freedep.

PATIENT INFORMATION

Predep (Sertraline HCI) is used for the treatment of Depression, Obsessive Compulsive Disorder, and Panic Disorder: Do not take this medication if you are taking MAO Inhibitors.

uo not taxe triis medication it you are taking MAO Inhibitors. Inform your doctor if you are pregnant or breast feeding. Freedep (Sertraline HCI) may cause dizziness, use caution "while driving or operating hazardous machinery. This medication may cause stomach upset, nausea, diarrhea, dizziness, tremor, insomnia, sleepiness, sweating, dry mouth, and male sexual dysfunction. Inform your physician or pharmacist if these occur.

PRESENTATION

Freedep (Sertraline HCl) 50 mg in blister pack of 30 (3X10's) tablets Freedep (Sertraline HCl) 100 mg in blister pack of 20 (2X10's) tablets

Dosage & Instructions: As advised by the physician. Keep all medicines out of the reach of children. To be sold on the prescription of a registered medical practitioner only. Protect from heat, light and moisture.

Store below 30°C

ڈاکٹر کی ہدایات کے مطابق استعال کریں۔ تمام دوائمیں بچوں کی پینچ ۔ دورر کھیں ۔ صرف رجنر ڈ ڈاکٹر کے نسخہ پر ہی فروخت کی جائے۔ روشنی ،گرمی اور نمی ہے محفوظہ ،C °30 سے کم درجہ ترارت پر کھیں ۔

خوراك ومدايات: