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Effexor® (venlafaxine hvdrochloride)

Tablets \mathbf{R} only



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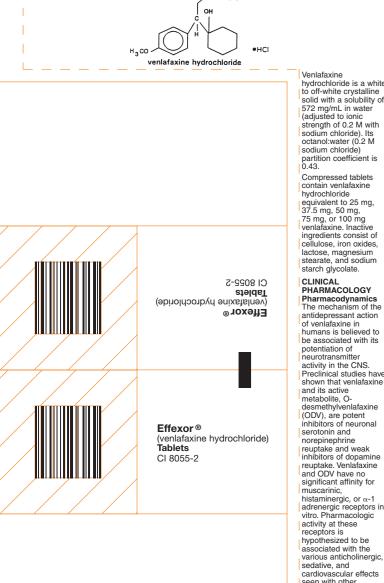
Wveth[®]

Antidepressants increased the risk of suicidal thinking and behavior (suicidality) in short-term studies in children and adolescents with Major Depressive Disorder (MDD) and other term studies in children and adolescents with Major Depressive Disorder (MDD) and other psychiatric disorders. Anyone considering the use of Effexor or any other antidepressant in a child or adolescent must balance this risk with the clinical need. Patients who are started on therapy should be observed closely for clinical worsening, suicidality, or unusual changes in behavior. Families and caregivers should be advised of the need for close observation and communication with the prescriber. Effexor is not approved for use in pediatric patients. (See WARNINGS and PRECAUTIONS, Pediatric Use.)

Pooled analyses of short-term (4 to 16 weeks) placebo-controlled trials of 9 antidepress drugs (SSRIs and others) in children and adolescents with major depressive disorder (MDD), obsessive compulsive disorder (OCD), or other psychiatric disorders (a total of 24 trials involving over 4400 patients) have revealed a greater risk of adverse events representing suicidal thinking or behavior (suicidality) during the first few months of treatment in those receiving antidepressants. The average risk of such events in patients receiving antidepressants was 4%, twice the placebo risk of 2%. No suicides occurred in these trials. Pooled analyses of short-term (4 to 16 weeks) placebo-controlled trials of 9 antider

DESCRIPTION

Effexor (veniafaxine hydrochloride) is a structurally novel antidepressant for oral administration. It is designated (R/S)-1-[2-(dimethylamino)-1-(4-methoxyphenyl)ethyl] cyclohexanol hydrochloride or (±)-1-[α -((dimethyl-amino)methyl]-p-methoxybenzyl] cyclohexanol hydrochloride and has the empirical formula of C₁/H₂/NO₂ HCi. Its molecular weight is 313.87. The structural formula is shown below. N (CH3)2



- desmethylvenlafa: (ODV), are potent reuptake and weak inhibitors of dopam reuptake. Venlafaxine and ODV have no significant affinity for muscarinic, histaminergic, or α-1 adrenergic receptors i vitro. Pharmacologic activity at these hypothesized to be associated with the various anticholine sedative, and cular effects seen with othe
 - psychotropic drugs. Venlafaxine and ODV do not possess monoamine oxidase (MAO) inhibitory activity. Pharmacokinetic

Venlafaxine is well absorbed and

— _____ extensively metabolized in the liver. O-desmethylvenlafaxine (ODV) is the o major active metabolite. On the basis of mass balance studies, major active metabolite. On the basis of mass balance studies, at least 92% of a single dose of venlafaxine is absorbed. Approximately 87% of a venlafaxine dose is recovered in the urine within 48 hours as either unchanged venlafaxine (5%), unconjugate ODV (29%), conjugated ODV (26%), or other minor inactive metabolites (27%). Renal elimination of venlafaxine and its metabolites (27%). Renal elimination of venlafaxine and its metabolites is the primary route of excretion. The relative bioavailability of venlafaxine from a tablet was 100% when compared to an oral solution. Food has no significant effect on the absorption of venlafaxine or on the formation of ODV. The degree of binding of venlafaxine to human plasma is $27\% \pm 2\%$ at concentrations ranging from 2.5 to 2215 ng/mL. The degree of ODV binding to human plasma is $30\% \pm 12\%$ at concentrations ranging from 100 to 500 ng/mL. Protein-binding-induced drug interactions with venlafaxine are not expected.

expected. Steady-state concentrations of both venlafaxine and ODV in plasma were attained within 3 days of multiple-dose therapy. Venlafaxine and ODV exhibited linear kinetics over the dose range of 75 to 450 mg total dose per day (administered on a q8h schedule). Plasma clearance, elimination half-life and steady-state volume of distribution were unaltered for both venlataxine and ODV is 1.3 \pm 0.6 and 0.4 \pm 0.2 *L/h/kg*, respectively; elimination half-life is 5 \pm 2 and 11 \pm 2 hours, respectively; and steady-state volume of distribution is 7.5 \pm 3.7 *L/kg* and 5.7 \pm 1.8 *L/kg*, respectively. When equal daily doses of venlafaxine were administered as either b.i.d. or t.i.d. regimens, the drug exposure (AUC) and fluctuation in plasma levels of venlafaxine and ODV were comparable following both regimens. Age and Gender

netic analysis of 404 venlafaxine-treated patients from two studies involving both b.i.d and t.i.d. regimens showed that dose-normalized trough plasma levels of either venlafaxine or ODV were unaltered due to age or gender differences. Dosage adjustment based upon the age or gender of a patient is generally not necessary (see **DOSAGE AND ADMINISTRATION**).

iver Disease 9 patients with hepatic cirrhosis, the pharmacokinetic disposition of both venlafaxine and ODV was In 9 patients with hepatic cirrhosis, the pharmacokinetic disposition of both venlafaxine and ODV was significantly altered after oral administration of venlafaxine. Venlafaxine elimination half-life was prolonged by about 30%, and clearance decreased by about 50% in cirrhotic patients compared to normal subjects. ODV elimination half-life was prolonged by about 60% and clearance decreased by about 30% in cirrhotic patients compared to normal subjects. A large degree of intersubject variability was noted. Three patients with more severe cirrhosis had a more substantial decrease in venlafaxine clearance (about 90%) compared to normal subjects. Dosage adjustment is necessary in these patients (see DOSAGE AND ADMINISTRATION).

Renal Disease

n a renal impairment study, venlafaxine elimination half-life after oral administration was prolonged In a renal impairment study, veniataxine elimination nain-line arter oral administration was prolonged by about 50% and clearance was reduced by about 24% in renally impaired patients (GFR = 10-70 mL/min), compared to normal subjects. In dialysis patients, veniataxine elimination half-life was prolonged by about 180% and clearance was reduced by about 57% compared to normal subjects. Similarly, ODV elimination half-life was prolonged by about 40% although clearance was unchanged in patients with renal impairment (GFR = 10-70 mL/min) compared to normal subjects. In dialysis patients, ODV elimination half-life was prolonged by about 142% and clearance was unchanged by about 56%, compared to normal subjects. A large degree of intersubject variability was noted. Dosage adjustment is necessary in these patients (see DOSAGE AND ADMINISTRATION)

CLINICAL TRIALS

CLINICAL TRIALS The efficacy of Effexor (venlafaxine hydrochloride) tablets as a treatment for major depressive disorder was established in 5 placebo-controlled, short-term trials. Four of these were 6-week trials in adult outpatients meeting DSM-III or DSM-III-R criteria for major depression: two involving fixed Effexor doses of 75, 225, and 375 mg/day (Li.d. schedule), and the fourth involving dose of 25, 75, and 200 mg/day (bi.d. schedule). The fifth was a 4-week study of adult inpatients meeting DSM-III-R criteria for major depression with melancholia whose Effexor doses were titrated in a range of 150 to 375 mg/day (Li.d. schedule), in these 5 studies, Effexor was shown to be significantly superior to placebo on at least 2 of the following 3 measures: Hamilton Depression Rating Scale (total score), Hamilton depressed mood item, and Clinical Global Impression-Severity of Illness rating. Doses from 75 to 225 mg/day were superior to placebo in outpatient studies and a man dose of about 350 mg/day was effective in inpatients. Data from the 2 fixed-dose outpatient studies were suggestive of a dose-response relationship in the range of 75 to 225 mg/day. There was no suggestion of increased response with doses greater than 225 mg/day. While there were no efficacy studies focusing specifically on an elderly population, elderly patients were included among the patients studied. Overall, approximately 2/3 of all patients in these trials were women. Exploratory analyses for age and gender effects on outcome did not suggest any differential responsiveness on the basis of age or sex. In one longer-term study, adult outpatients meeting DSM-IV criteria for major depressive disorder who had responded during an 8-week open trial on Effexor XR (75, 150, or 225 mg, dAM) were randomized to continuation of their same Effexor XR dose or to placebo, for up to 26 weeks of observation for relapse. Response during the open phase was defined as CGI Severity of Illness item score of 53 and a HAM-D-21 total score he efficacy of Effexor (venlafaxine hydrochloride) tablets as a treatment for major depressive

Them score of \leq s and a PANIP-2-1 total score of \leq 10 at the day so evaluation. Needapse during the double-blind phase was defined as follows: (1) a reappearance of major depressive disorder as defined by DSM-1V criteria and a CGI Severity of Illness item score of \geq 4 (moderately ill), (2) 2 consecutive CGI Severity of Illness item scores of \geq 4 (or any patient who withdrew from the study for any reason. Patients receiving continued Effexor XR treatment experienced significantly lower relapse rates over the subsequent 26 weeks compared with these receiving locable. ared with those receiving placebo

In a second longer-term trial, adult outpatients meeting DSM-III-R criteria for major depression, recurrent type, who had responded (HAM-D-21 total score ≤12 at the day 56 evaluation) and continued to be improved [defined as the following criteria being met for days 56 through 180: (1) HAM-D-21 total score ≥20; (2) no more than 2 HAM-D-21 total scores >10; and (3) no single CGI 80·(1) no HAM-U-21 total score ≥20; (2) no more than 2 HAM-U-21 total scores >10; and (3) no single CGI Severity of Illness item score ≥4 (moderately ill)] during an initial 26 weeks of treatment on Effexor (100 to 200 mg/day, on a b.i.d. schedule) were randomized to continuation of their same Effexor dose or to placebo. The follow-up period to observe patients for relapse, defined as a CGI Severity of Illness item score ≥4, was for up to 52 weeks. Patients receiving continued Effexor treatment experienced significantly lower relapse rates over the subsequent 52 weeks compared with those receiving placebo.

INDICATIONS AND USAGE

e hydrochloride) is indicated for the treatment of major depressive disorder. Effexor (veniataxine hydrochloride) is indicated for the treatment of major depressive disorder. The efficacy of Effexor in the treatment of major depressive disorder was established in 6-week controlled trials of adult outpatients whose diagnoses corresponded most closely to the DSM-III or DSM-III-R category of major depression and in a 4-week controlled trial of inpatients meeting diagnostic criteria for major depression with melancholia (see CLINICAL TRIALS). A major depressive episode implies a prominent and relatively persistent depressed or dysphorid

A major depressive episode implies a prominent and relativery persistent depressed of opsinding mood that usually interferes with daily functioning (nearly every day for at least 2 weeks); it should include at least 4 of the following 8 symptoms: change in appetite, change in sleep, psychomotor agitation or retardation, loss of interest in usual activities or decrease in sexual drive, increased fatigue, feelings of guilt or worthlessness, slowed thinking or impaired concentration, and a suicide

attempt or suicidal ideation. The efficacy of Effexor XR in maintaining an antidepressant response for up to 26 weeks following 8 weeks of acute treatment was demonstrated in a placebo-controlled trial. The efficacy of Effexor in maintaining an antidepressant response in patients with recurrent depression who had responded and continued to be improved during an initial 26 weeks of treatment and were then followed for a period of up to 52 weeks was demonstrated in a second placebo-controlled trial (see CLINICAL TRIALS). Nevertheless, the physician who elects to use Effexor/Effexor XR for extended periods should periodically re-evaluate the long-term usefulness of the drug for the individual patient.

CONTRAINDICATIONS Hypersensitivity to venlafaxine hydrochloride or to any excipients in the formulation.

pmitant use in patients taking monoamine oxidase inhibitors (MAOIs) is contraindicated (see WARNINGS

WARNINGS

WARNINGS Clinical Worsening and Suicide Risk Patients with major depressive disorder (MDD), both adult and pediatric, may experience worsening of their depression and/or the emergence of suicidal ideation and behavior (suicidality) or unusual changes in behavior, whether or not they are taking antidepressant medications, and this risk may persist until significant remission occurs. There has been a long-standing concern that anti-depressants may have a role in inducing worsening of depression and the emergence of suicidality) in certain patients. Antidepressants increased the risk of suicidal thinking and behavior (suicidality) in short-term studies in children and adolescents with Major Depressive Disorder (MDD) and other psychiatric disorders. psychiatric disorders.

psychiatric disorders. Pooled analyses of short-term placebo-controlled trials of 9 antidepressant drugs (SSRIs and others) in children and adolescents with MDD, OCD, or other psychiatric disorders (a total of 24 trials involving over 4400 patients) have revealed a greater risk of adverse events representing suicidal behavior or thinking (suicidality) during the first few months of treatment in those receiving antidepressants. The average risk of such events in patients receiving antidepressants was 4%, twice the placebo risk of 2%. There was considerable variation in risk among drugs, but a tendency toward an increase for almost all drugs studied. The risk of suicidality was most consistently observed in the MDD trials, but there were signals of risk arising from some trials in other psychiatric indications (obsessive compulsive disorder and social anxiety disorder) as well. **No suicides occurred in any of these trials**. It is unknown whether the suicidality risk in pediatric patients extends to longer-term use, i.e., beyond several months. It is also unknown whether the suicidality risk extends to adults.

All pediatric patients being treated with antidepressants for any indication should be observed closely for clinical worsening, suicidality, and unusual changes in behavior, especially during the initial few months of a course of drug therapy, or at times of dose changes, either increases or decreases. Such observation would generally include at least weekly face-to-face contact with patients or their family members or caregivers during the first 4 weeks of treatment, then every other week visits for the next 4 weeks, then at 12 weeks, and as clinically indicated beyond 12 weeks. Additional contact by telephone may be appropriate between face-to-face visits.

appropriate between face-to-face visits. Adults with MDD or co-morbid depression in the setting of other psychiatric illness being treated with antidepressants should be observed similarly for clinical worsening and suicidality, especially during the initial few months of a course of drug therapy, or at times of dose changes, either increases or decreases. The following symptoms, anxiety, agitation, panic attacks, insomnia, irritability, hostility,

gressiveness, impulsivity, akathisia (psychomotor restlessness), hypomania, and mania, have en reported in adult and pediatric patients being treated with antidepressants for major depressive sorder as well as for other indications, both psychiatric and nonpsychiatric. Although a causal link tween the emergence of such symptoms and either the worsening of depression and/or the nergence of suicidal impulses has not been established, there is concern that such symptoms ma present encurrence to a concering encided by Adult Patients: A dose-dependent weight loss was noted in patients treated with venlafaxine for several weeks. A loss of 5% or more of body weight occurred in 6% of patients treated with venlafaxine compared with 1% of patients treated with placebo and 3% of patients treated with another antidepressant. However, discontinuation for weight loss associated with venlafaxine was uncommon (0.1% of venlafaxine-treated patients in the Phase 2 and Phase 3 depression trials). The safety and efficacy of venlafaxine therapy in combination with weight loss agents, including phentermine, have not been established. Co-administration of Effexor and weight loss agents is not recommended. Effexor is not indicated for weight loss alone or in combination with other products. Pediatric Patients: Weight loss has been observed in pediatric patients (ages 6-17) receiving Effexor XR. In a pooled analysis of four eight-week, double-blind, placebo-controlled, flexible dose outpatient trials for major depressive disorder (MDD) and generalized anxiety disorder (GAD), Effexor XR-treated patients used an average of 0.45 kg (n = 333), More patients treated with placebo-treated patients gained an average of 0.77 kg (n = 333). More patients treated with Effexor XR than with placebo experienced a weight loss of at least 3.5% in both the MDD and the GAD studies (18% of Effexor XR-treated patients vs. 3.6% of placebo-treated patients; p-0.001). Weight loss was not limited to patients with ms may nt precursors to emerging suicidality.

isideration should be given to changing the therapeutic regimen, including possibly discontinuing medication, in patients whose depression is persistently worse, or who are experiencing ergent suicidality or symptoms that might be precursors to worsening depression or suicidality, ecially if these symptoms are severe, abrupt in onset, or were not part of the patient's presenting

. The decision has been made to discontinue treatment, medication should be tapered, as rapidly as is feasible, but with recognition that abrupt discontinuation can be associated with certain symptoms (see **PRECAUTIONS** and **DOSAGE AND ADMINISTRATION**, **Discontinuation of Treatment with Effexor**, for a description of the risks of discontinuation of Effexor).

Families and caregivers of pediatric patients being treated with antidepressants for major der or other indications, both psychiatric and nonpsychiatric, should be depressive disorder or other indications, both psychiatric and nonpsychiatric, should be alerted about the need to monitor patients for the emergence of agitation, irritability, unusual changes in behavior, and the other symptoms described above, as well as the emergence of suicidality, and to report such symptoms immediately to health care providers. Such monitoring should include daily observation by families and caregivers. Prescriptions for Effexor should be written for the smallest quantity of tablets consistent with good patient management, in order to reduce the risk of overdose. Families and caregivers of adults being treated for depression should be similarly advised.

Screening Patients for Bipolar Disorder: A major depressive episode may be the initial presentation of bipolar disorder. It is generally believed (though not established in controlled trials) that treating such an episode with an antidepressant alone may increase the likelihood of precipitation of a mixed/manic episode in patients at risk for bipolar disorder. Whether any of the precipitation of a mixed/manic episode in patients at risk for oppoiar disorder, where any o symptoms described above represent such a conversion is unknown. However, prior to initia treatment with an antidepressant, patients with depressive symptoms should be adequately screened to determine if they are at risk for bipolar disorder; such screening should include detailed psychiatric history, including a family history of suicide, bipolar disorder, and should be noted that Effexor is not approved for use in treating bipolar depression.

detailed psychiatric history, including a tamily history of suicide, bipolar disorder, and depression. It should be noted that Effexor is not approved for use in treating bipolar depression. Potential for Interaction with Monoamine Oxidase Inhibitors Adverse reactions, some of which were serious, have been reported in patients who have recently been discontinued from a monoamine oxidase inhibitor (MAOI) and started on Effexor, or who have recently had Effexor therapy discontinued prior to initiation of an MAOI. These reactions have included tremor, myocionus, diaphoresis, nausea, vomiting, flushing, dizziness, hyperthermia with features resembling neuroleptic malignant syndrome, seizures, and death. In patients receiving antidepressants with pharmacological properties similar to venlafaxine in combination with a monoamine oxidase inhibitor, there have also been reports of serious, sometimes fatal, reactions. For a selective serotonin reuptake inhibitor, these reactions have included hyperthermia, rigidity, myoclonus, autonomic instability with possible rapid fluctuations of vital signs, and mental status changes that include extreme agitation progressing to delirium and coma. Some cases presented with features resembling neuroleptic malignant syndrome. Severe hyperthermia and seizures, sometimes fatal, have been reported in association with the combined use of tricyclic antidepressants and MAOIs. These reactions have also been reported in patients who have recently discontinued these drugs and have been started on an MAOI. Therefore, it is recommended that Effexor not be used in combination with an MAOI, or within at least 14 days of discontinuing treatment with an MAOI. Based on the half-life of Effexor, at least 7 days should be allowed after stopping Effexor before starting an MAOI. ffexor before starting an MAO

Sustained Hypertension

Sustained Hypertension Venlafaxine treatment is associated with sustained increases in blood pressure in some patients. (1) In a premarketing study comparing three fixed doses of venlafaxine (75, 225, and 375 mg/day) and placebo, a mean increase in supine diastolic blood pressure (SDBP) of 7.2 mm Hg was seen in the 375 mg/day group at week 6 compared to essentially no changes in the 75 and 225 mg/day groups and a mean decrease in SDBP of 2.2 mm Hg in the placebo group. (2) An analysis for patients meeting criteria for sustained hypertension (defined as treatment-emergent SDBP \ge 90 mm Hg and \ge 10 mm Hg above baseline for 3 consecutive visits) revealed a dose-dependent increase in the increase of sustained hypertension for venlafaxine: cidence of sustained hypertension for venlafaxing

Probability of Sustain (Pool of Premarketing	ed Elevation in SDBP g Venlafaxine Studies)
Treatment Group	Incidence of Sustained Elevation in SDBP
Venlafaxine	
< 100 mg/day	3%
101-200 mg/day	5%
201-300 mg/day	7%
> 300 mg/day	13%
Placebo	2%

An analysis of the patients with sustained hypertension and the 19 venlafaxine patients who were An analysis of the patients with sustained hypertension (and the 19 verifiation patients who were discontinued from treatment because of hypertension (a1% of total venlafaxine-treated group) revealed that most of the blood pressure increases were in a modest range (10 to 15 mm Hg, SDBP). Nevertheless, sustained increases of this magnitude could have adverse consequences. Therefore, it is recommended that patients receiving venlafaxine have regular monitoring of blood pressure. For patients who experience a sustained increase in blood pressure while receiving venlafaxine, either dose reduction or discontinuation should be considered.

PRECAUTIONS General

tinuation of Treatment with Effexor

Discontinuation of Treatment with Effexor Discontinuation symptoms have been systematically evaluated in patients taking venlafaxine, to include prospective analyses of clinical trials in Generalized Anxiety Disorder and retrospective surveys of trials in major depressive disorder. Abrupt discontinuation or dose reduction of venlafaxine at various doses has been found to be associated with the appearance of new symptoms, the frequency of which increased with increased dose level and with longer duration of treatment. Reported symptoms include agitation, anorexia, anxiety, confusion, coordination impaired, diarrhea, dizziness, dry mouth, dysphoric mood, fasciculation, fatigue, headaches, hypomania, insomnia, nausea, nervousness, nightmares, sensory disturbances (including shock-like electrical sensations), somnolence, sweating, tremor, vertigo, and vomiting. During marketing of Effexor (venlafaxine hydrochloride) tablets, other SNBIs (Sentonin and

somnolence, sweating, tremor, vertigo, and vomiting. During marketing of Effexor (venlafaxine hydrochloride) tablets, other SNRIs (Serotonin and Norepinephrine Reuptake Inhibitors), and SSRIs (Selective Serotonin Reuptake Inhibitors), there have been spontaneous reports of adverse events occurring upon discontinuation of these drugs, particularly when abrupt, including the following: dysphoric mood, irritability, agitation, dizziness, sensory disturbances (e.g. paresthesias such as electric shock sensations), anxiety, confusion, headache, lethargy, emotional lability, insomnia, hypomania, tinnitus, and seizures. While these events are generally self-limiting, there have been reports of serious discontinuation symptoms. events are generally self-limiting, there have been reports of serious discontinuation symptoms. Patients should be monitored for these symptoms when discontinuing treatment with Effexor. A gradual reduction in the dose rather than abrupt cessation is recommended whenever possible. If intolerable symptoms occur following a decrease in the dose or upon discontinuation of treatment, then resuming the previously prescribed dose may be considered. Subsequently, the physician may continue decreasing the dose but at a more gradual rate (see DOSAGE AND ADMINISTRATION).



Gain Was larger for children (<12 years old) than for addiescents (>12 years old). Changes in Height Pediatric Patients: During the eight-week placebo-controlled GAD studies, Effexor XR-treated patients (ages 6-17) grew an average of 0.3 cm (n = 122), while placebo-treated patients grew an average of 1.0 cm (n = 132); p = 0.041. This difference in height increase was most notable in patients younger than twelve. During the eight-week placebo-controlled MDD studies, Effexor XR-treated patients grew an average of 0.8 cm (n = 146), while placebo-treated patients grew an average of 0.7 cm (n = 147). In the six-month open-label study, children and adolescents had heigh increases that were less than expected on data from age- and sex-matched peers. The difference between observed growth rates and expected growth rates was larger for children (<12 years old) than for adolescents (>12 years old).

Anxiety and Insomnia Treatment-emergent anxiety, nervousness, and insomnia were more commonly reported for venlafaxine-treated patients compared to placebo-treated patients in a pooled analysis of short-term, double-blind, placebo-controlled depression studies:

Anxiety, nervousness, and insomnia led to drug discontinuation in 2%, 2%, and 3%, respectively, of the patients treated with venlafaxine in the Phase 2 and Phase 3 depression studies.

patients vs. 3.6% of placebo-treated patients; p<0.001). Weight loss was not limited to patients with treatment-emergent anorexia (see **PRECAUTIONS, General**, *Changes in Appetite*).

The risks associated with longer-term Effexor XR use were assessed in an open-label study of children and adolescents who received Effexor XR for up to six months. The children and

adolescents in the study had increases in weight that were less than expected based on data from age- and sex-matched peers. The difference between observed weight gain and expected weight gain was larger for children (<12 years old) than for adolescents (>12 years old).

Placebo n = 609

3% 6% 10%

Venlafaxine n = 1033

Adult Patients: A dose-dependent weight loss was noted in patients treated with venlafa

Symptom

Anxietv

Changes in Weight

Anxiety 6% Nervousness 13% Insomnia 18%

Activation of Mania/Hypomania

Mvdriasis

Hyponatremia Hyponatremia and/or the syndrome of inappropriate antidiuretic hormone secretion (SIADH) may occur with venlafaxine. This should be taken into consideration in patients who are, for example, volume-depleted, elderly, or taking diuretics.

Mydriasis has been reported in association with venlafaxine; therefore patients with raised intraocula pressure or at risk of acute narrow-angle glaucoma (angle-closure glaucoma) should be monitored.

Juring premarketing testing, seizures were reported in 0.26% (8/3082) of venlafaxine-tr attents. Most seizures (5 of 8) occurred in patients receiving doses of 150 mg/day or le patients: Most seizures (5 of 8) occurred in patients receiving doses of 150 mg/day or let should be used cautiously in patients with a history of seizures. It should be discontinued patient who develops seizures.

Abnormal Bleeding

There have been reports of abnormal bleeding (most commonly ecchymosis) associated with venlafaxine treatment. While a causal relationship to venlafaxine is unclear, impaired platelet aggregation may result from platelet serotonin depletion and contribute to such occurrences.

Serum Cholesterol Elevation Clinically relevant increases in serum cholesterol were recorded in 5.3% of venlafaxine-treated patients and 0.0% of placebo-treated patients treated for at least 3 months in placebo-controlled trials (see ADVERSE REACTIONS-Laboratory Changes). Measurement of serum cholesterol levels should be considered during long-term treatment.

Use in Patients with Concomitant Illness Clinical experience with Effexor in patients with concomitant systemic illness is limited. Caution is advised in administering Effexor to patients with diseases or conditions that could affect hemodynamic responses or metabolism.

Effexor has not been evaluated or used to any appreciable extent in patients with a recent history of myocardial infarction or unstable heart disease. Patients with these diagnoses were systematically excluded from many clinical studies during the product's premarketing testing. Evaluation of the electrocardiograms for 769 patients who received Effexor in 4- to 6-week double-blind placebo-controlled trials, however, showed that the incidence of trial-emergent conduction abnormalities did not differ from that with placebo. The mean heart rate in Effexor-treated patients was increased relative to baseline by about 4 beats per minute.

relative to baseline by about 4 beats per minute. The electrocardiograms for 357 patients who received Effexor XR (the extended-release form of venlafaxine) and 285 patients who received placebo in 8- to 12-week double-blind, placebo-controlled trials were analyzed. The mean change from baseline in corrected QT interval (QTc) for Effexor XR-treated patients was increased relative to that for placebo-treated patients (increase of 4.7 msec for Effexor XR and decrease of 1.9 msec for placebo). In these same trials, the mean change from baseline in heart rate for Effexor XR-treated patients was increased relative to that for placebo-treated patients (increase of 4.7 msec for glacebo). In these same trials, the mean change from baseline in heart rate for Effexor XR-treated patients was significantly higher than that for placebo (a mean increase of 4 beats per minute for Effexor XR and 1 beat per minute for placebo). In a flexible-dose study, with Effexor doses in the range of 200 to 375 mg/day and mean dose greater than 300 mg/day, Effexor-treated patients had a mean increase in heart rate of 8.5 beats per minute in the placebo group. As increases in heart rate were observed, caution should be exercised in gatients whose underlying medical conditions might be compromised by increases in heart rate (eg, patients with hyperthyroidism, heart failure, or recent myocardial infarction), particularly when using doses of Effexor 200 mg/day.

In patients with renal impairment (GFR = 10 to 70 mL/min) or cirrhosis of the liver, the clearances of venlafaxine and its active metabolite were decreased, thus prolonging the elimination half-lives of these substances. A lower dose may be necessary (see **DOSAGE AND ADMINISTRATION**). Effexor (venlafaxine hydrochoride), like all antidepressants, should be used with caution in such patients. formation for Patients

Information for Patients Prescribers or other health professionals should inform patients, their families, and their caregivers about the benefits and risks associated with treatment with Effexor and should counsel them in its appropriate use. A patient Medication Guide About Using Antidepressants in Children and Teenagers is available for Effexor. The prescriber or health professional should instruct patients, their families, and their caregivers to read the Medication Guide and should assist them in understanding its contents. Patients should be given the opportunity to discuss the contents of the Medication Guide and to obtain answers to any questions they may have. The complete text of the Medication Guide is reprinted at the end of this document.

Patients should be advised of the following issues and asked to alert their prescriber if these occur while taking Effex

King Effexor.
IVorsening and Suicide Risk: Patients, their families, and their caregivers should be aged to be alert to the emergence of anxiety, agitation, panic attacks, insomnia, irritability, aggressiveness, impulsivity, akathisia (psychomotor restlessness), hypomania, mania, other

unusual changes in behavior, worsening of depression, and suicidal ideation, especially early during antidepressant treatment and when the dose is adjusted up or down. Families and caregivers of patients should be advised to observe for the emergence of such symptoms on a day-to-day basis, since changes may be abrupt. Such symptoms should be reported to the patient's prescriber or health professional, especially if they are severe, abrupt in onset, or were not part of the patient's presenting symptoms. Symptoms such as these may be associated with an increased risk for suicidal thinking and behavior and indicate a need for very close monitoring and possibly changes in the medication.

Interference with Cognitive and Motor Performance Clinical studies were performed to examine the effects of venlafaxine on behavioral performance of healthy individuals. The results revealed no clinically significant impairment of psychomotor, cognitive, or complex behavior performance. However, since any psychoactive drug may impair judgment, thinking, or motor skills, patients should be cautioned about operating hazardous machinery, including automobiles, until they are reasonably certain that Effexor therapy does not adversely affect their ability to engage in such activities.

Pregnancy Patients should be advised to notify their physician if they become pregnant or intend to become

Patients should be advised to notify their physician if they are breast-feeding an infant.

Concomitant Medication

Patients should be advised to inform their physicians if they are taking, or plan to take, any prescription or over-the-counter drugs, including herbal preparations, since there is a potential for interactions.

Although Effexor has not been shown to increase the impairment of mental and motor skills caused by alcohol, patients should be advised to avoid alcohol while taking Effexor. Allergic Reactions

nts should be advised to notify their physician if they develop a rash, hives, or a related allergic

Laboratory Tests There are no specific laboratory tests recommended.

Drug Interactions As with all drugs, the potential for interaction by a variety of mechanisms is a possibility.

or gle dose of ethanol (0.5 g/kg) had no effect on the pharmacokinetics of venlafaxine or ODV venlafaxine was administered at 150 mg/day in 15 healthy male subjects. Additionally, nistration of venlafaxine in a stable regimen did not exaggerate the psychomotor and ometric effects induced by ethanol in these same subjects when they were not receiving

Cimetidine Concomitant administration of cimetidine and venlafaxine in a steady-state study for both drugs resulted in inhibition of first-pass metabolism of venlafaxine in 18 healthy subjects. The oral clearance of venlafaxine was reduced by about 43%, and the exposure (AUC) and maximum concentration (C_{max}) of the drug were increased by about 60%. However, co-administration of cimetidine had no apparent effect on the pharmacokinetics of ODV, which is present in much greater quantity in the circulation than is venlafaxine. The overall pharmacological activity of venlafaxine plus ODV is expected to increase only slightly, and no dosage adjustment should be necessary for most normal adults. However, for patients with pre-existing hypertension, and for elderly patients or patients with hepatic dysfunction, the interaction associated with the concomitant use of venlafaxine and cimetidine is not known and potentially could be more pronounced. Therefore, caution is advised with such patients.

Under steady-state conditions for venlafaxine administered at 150 mg/day, a single 10 mg dose of diazepam did not appear to affect the pharmacokinetics of either venlafaxine or ODV in 18 healthy male subjects. Venlafaxine also did not have any effect on the pharmacokinetics of diazepam or its active metabolite, desmethyldiazepam, or affect the psychomotor and psychometric effects induced

Haloperidol Venlafaxine administered under steady-state conditions at 150 mg/day in 24 healthy subjects decreased total oral-dose clearance (CI/F) of a single 2 mg dose of haloperidol by 42%, which resulted in a 70% increase in haloperidol AUC. In addition, the haloperidol C_{max} increased 88% when coadministered with venlafaxine, but the haloperidol elimination half-life ($t_{1/2}$) was unchanged. The mechanism explaining this finding is unknown.

Lumum The steady-state pharmacokinetics of venlafaxine administered at 150 mg/day were not affected when a single 600 mg oral dose of lithium was administered to 12 healthy male subjects. O-desmethylvenlafaxine (ODV) also was unaffected. Venlafaxine had no effect on the pharmacokinetics of lithium (see also *CNS-Active Drugs*, below).

Drugs Highly Bound to Plasma Protein Venlafaxine is not highly bound to plasma proteins; therefore, administration of Effexor (venlafaxine hydrochloride) tablets to a patient taking another drug that is highly protein bound should not cause increased free concentrations of the other drug.

nyarocniuruey labiets to a patient taking another drug that is highly protein bound should not cause increased free concentrations of the other drug. Drugs that Inhibit Cytochrome P450 Isoenzymes CYP2D6 Inhibitors: In vitro and in vivo studies indicate that venlafaxine is metabolized to its active metabolite, ODV, by CYP2D6, the isoenzyme that is responsible for the genetic polymorphism seen in the metabolism of many antidepressants. Therefore, the potential exists for a drug interaction between drugs that inhibit CYP2D6-mediated metabolism and venlafaxine. However, although imipramine partially inhibited the CYP2D6-mediated metabolism of venlafaxine, resulting in higher plasma concentrations of venlafaxine plus ODV) was not affected. Additionally, in a clinical study involving CYP2D6-poor and -extensive metabolizers, the total concentration of active compounds (venlafaxine plus ODV) was similar in the two metabolizer groups. Therefore, no dosage adjustment is required when venlafaxine, by CYP3A4. Because CYP3A4 is typically a minor pathway relative to CYP2D6 in the metabolism of venlafaxine, the potential for a clinically significant drug interaction between drugs that inhibit CYP3A4-mediated metabolism and venlafaxine is small. The concomitant use of venlafaxine with a drug treatment(s) that potently inhibits both CYP2D6 and CYP3A4, the primary metabolizing enzymes for venlafaxine, has not been studied. Therefore, caution is advised should a patient's therapy include venlafaxine and any agent(s) that produce potent simultaneous inhibition of these two enzyme systems.

Drugs Metabolized by Cytochrome P450 Isoenzymes CYP2D6: In vitro studies indicate that venlafaxine is a relatively weak inhibitor of CYP2D6. These findings have been confirmed in a clinical drug interaction study comparing the effect of venlafaxine to that of fluoxetine on the CYP2D6-mediated metabolism of dextromethorphan to dextrorphan. Imigramine—Venlataxine did not affect the pharmacokinetics of imigramine and 2-OH-imigramine. However, designamine AUC, C_{max}, and C_{min} increased by about 35% in the presence of venlataxine. The 2-OH-designamine AUCs increased by at least 2.5 fold (with venlataxine 37.5 mg q12h) and by 4.5 fold (with venlataxine 73 mg q12h). Imigramine did not affect the pharmacokinetics of venlataxine and ODV. The clinical significance of elevated 2-OH-designamine levels is unknown. Risperidone—Venlataxine administered under steady-state conditions at 150 mg/day slightly inhibited the CYP2D6-mediated metabolism of risperidone (administered as a single 1 mg oral dose) to its active metabolite, 9-hydroxyrisperidone, resulting in an approximate 32% increase in risperidone AUC. However, venlataxine did not significantly alter the pharmacokinetic profile of the total active molety (risperidone plus 9-hydroxyrisperidone). CYP3A4: Venlataxine did not inhibit CYP3A4 in vitro. This finding was confirmed in vivo by clinical drug interaction studies in which venlataxine administered under steady-state conditions at 150 mg/day resulted in a 28% decrease in the AUC of a single 800 mg oral dose of indinavir and a 36% decrease in indinavir G_{max}. Indinavir did not affect the pharmacokinetics of venlataxine and ODV. The clinical significance of this finding is unknown. CYP1A2: Venlataxine did not inhibit CYP1A2 in vitro. This finding was confirmed in vivo by a clinical drug interaction study in which venlataxine did not inhibit the metabolism of several CYP3A4 substrates, including alprazolam, diazepam, and terfenadine. Indinavir—In a study of 9 healthy volunteers, venlataxine administered under steady-state conditions at 150 mg/day resulted in a 28% decrease in the AUC of a single 800 mg oral dose of indinavir and a 36% decrease in indinavir did not affect the pharmacokinetics of venlataxine and ODV. The clinical significance of this finding is unknown. CYP1A2: Venlataxine did not inhibit CYP1A2 in vitro. This finding was confirmed in vi Imipramine-Venlafaxine did not affect the pharmacokinetics of imipramine and 2-OH-imipramine

CYP2C9: Venlafaxine did not inhibit CYP2C9 in vitro. In vivo, venlafaxine 75 mg by mouth every 12 hours did not alter the pharmacokinetics of a single 500 mg dose of tolbutamide or the CYP2C9 mediated formation of 4-hydroxy-tolbutamide.

CYP2C19: Venlafaxine did not inhibit the metabolism of diazepam which is partially metabolized by CYP2C19 (see *Diazepam* above).

Monoamine Oxidase Inhibitors See CONTRAINDICATIONS and WARNINGS.

CNS-Active Druas

CNS-Active Drugs The risk of using venlafaxine in combination with other CNS-active drugs has not been systematically evaluated (except in the case of those CNS-active drugs noted above). Consequently, caution is advised if the concomitant administration of venlafaxine and such drugs is required. Based on the mechanism of action of venlafaxine and the potential for serotonin syndrome, caution is advised when venlafaxine is co-administered with other drugs that may affect the serotonergic neurotransmitter systems, such as triptans, serotonin reuptake inhibitors (SRIs), or lithium.

Electroconvulsive Therapy There are no clinical data establishing the benefit of electroconvulsive therapy combined with Effexor

Postmarketing Spontaneous Drug Interaction Reports See ADVERSE REACTIONS, Postmarketing Reports.

Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis Venlafaxine was given by oral gavage to mice for 18 months at doses up to 120 mg/kg per day, Which was 16 times, on a mg/kg basis, and 1.7 times on a mg/m² basis, the maximum recommended human dose. Venlafaxine was also given to rats by oral gavage for 24 months at doses up to 120 mg/kg per day. In rats receiving the 120 mg/kg dose, plasma levels of venlafaxine were 1 times (male rats) and 6 times (female rats) the plasma levels of patients receiving the maximum recommended human dose. Plasma levels of the O-desmethyl metabolite were lower in rats than in patients receiving the maximum recommended dose. Tumors were not increased by venlafaxine treatment in mice or rats.

Mutagenicity Venlafaxine and the major human metabolite. O-desmethylvenlafaxine (ODV), were not mutagenic in Venlafaxine and the major human metabolite, O-desmethylvenlafaxine (ODV), were not mutagenic in the Ames reverse mutation assay in Salmonella bacteria or the CHO/HGPRT mammalian cell forward gene mutation assay. Venlafaxine was also not mutagenic in the in vitro BALb/c-313 mouse cell transformation assay, the sister chromatid exchange assay in cultured CHO cells, or the in vivo chromosomal aberration assay. There was a clastogenic response in the in vivo chromosomal aberration assay. There was a clastogenic response in the in vivo chromosomal aberration assay in male rats receiving 200 times, on a mg/kg basis, or 50 times, on a mg/m² basis, the maximum human daily dose. The no effect dose was 67 times (mg/kg) or 17 times (mg/m²) the human dose.

Impairment of Fertility

duction and fertility studies in rats showed no effects on male or female fertility at oral doses of up to 8 times the maximum recommended human daily dose on a mg/kg basis, or up to 2 times on a mg/m² basis

Mg/III⁻ basis. **Pregnancy** Teratogenic Effects—Pregnancy Category C Venlafaxine did not cause malformations in offspring of rats or rabbits given doses up to 11 times (rab) times (rabbit) the maximum recommended human daily dose on a mg/kg basis, or 2.5 times (rat) or 12 times (rabbit) the human daily dose on a mg/m² basis. However, in rats, there was a decrease in pup weight, an increase in stillborn pups, and an increase in pup deaths during the first 5 days of lactation, when dosing began during pregnancy and continued until weaning. The cause of these deaths is not known. These effects occurred at 10 times (mg/kg) or 2.5 times (mg/m²) the maximum human daily dose. The no effect dose for rat pup mortality was 1.4 times the human dose on a mg/kg basis or 0.25 times the human dose on a mg/m² basis. There are no adequate and well-controlled studies in pregnant women. Because animal reproduction studies are not always predictive of human response, this drug should be used during pregnancy only if clearly needed.

Non-teratogenic Effects

Non-teratogenic Effects Neonates exposed to Effexor, other SNRIs (Serotonin and Norepinephrine Reuptake Inhibitors), or SSRIs (Selective Serotonin Reuptake Inhibitors), late in the third trimester have developed complications requiring prolonged hospitalization, respiratory support, and tube feeding. Such complications can arise immediately upon delivery. Reported clinical findings have included respiratory distress, cyanosis, apnea, seizures, temperature instability, feeding difficulty, vomiting, hypoglycemia, hypotonia, hypertonia, hyperreflexia, tremor, jitteriness, irritability, and constant crying. These features are consistent with either a direct toxic effect of SSRIs and SNRIs or, possibly, a drug discontinuation syndrome. It should be noted that, in some cases, the clinical picture is consistent with serotonin syndrome (see **PRECAUTIONS-Drug Interactions**-*CNS-Active Drugs*). When treating a pregnant woman with Effexor during the third trimester, the physician should carefully consider the potential risks and benefits of treatment (see **DOSAGE AND ADMINISTRATION**).

Labor and Delivery The effect of Effexor® (venlafaxine hydrochloride) tablets on labor and delivery in humans is

Nursing Mothers Venlafaxine and ODV have been reported to be excreted in human milk. Because of the potential or serious adverse reactions in nursing infants from Effexor, a decision should be made whether o discontinue nursing or to discontinue the drug, taking into account the importance of the drug to

anc use ty and effectiveness in the pediatric population have not been established (see **BOX WARNING WARNINGS, Clinical Worsening and Suicide Risk**). Two placebo-controlled trials in 766 atric patients with MDD and two placebo-controlled trials in 793 pediatric patients with GAD have Safety and bediatric patients with MDD and two placebo-controlled trials in 793 pediatric patients with GAD have been conducted with Effexor XR, and the data were not sufficient to support a claim for use in pediatric patients

Anyone considering the use of Effexor in a child or adolescent must balance the potential risks with the clinical need

Although no studies have been designed to primarily assess Effexor XR's impact on the growth, development, and maturation of children and adolescents, the studies that have been done suggest that Effexor XR may adversely affect weight and height (see **PRECAUTIONS, General**, *Changes in Height* and *Changes in Weight*). Should the decision be made to treat a pediatric patient with Effexor, egular monitoring of weight and height is recommended during treatment, particularly if it is to be continued long term. The safety of Effexor XR treatment for pediatric patients has not been systematically assessed for chronic treatment longer than six months in duration.

In the studies conducted in pediatric patients (ages 6-17), the occurrence of blood pressure and cholesterol increases considered to be clinically relevant in pediatric patients was similar to that pserved in adult patients. Consequently, the precautions for adults apply to pediatric patients (see (ARNINGS, Sustained Hypertension, and PRECAUTIONS, General, Serum Cholesterol

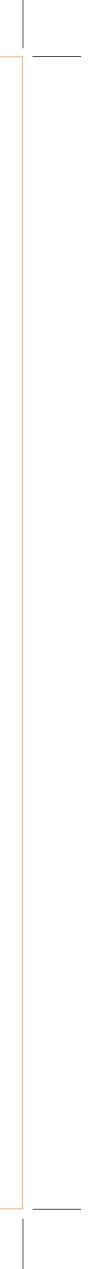
Geriatric Use Of the 2,897 patients in Phase 2 and Phase 3 depression studies with Effexor, 12% (357) were Of the 2,897 patients in Phase 2 and Phase 3 depression studies with Eftexor, 12% (357) were 65 years of age or over. No overall differences in effectiveness or safety were observed between these patients and younger patients, and other reported clinical experience generally has not identified differences in response between the elderly and younger patients. However, greater sensitivity of some older individuals cannot be ruled out. As with other antidepressants, several cases of hyponatremia and syndrome of inappropriate antidiuretic hormone secretion (SIADH) have been reported, usually in the elderly.

The pharmacokinetics of venlafaxine and ODV are not substantially altered in the elderly (see CLINICAL PHARMACOLOGY). No dose adjustment is recommended for the elderly on the basis of age alone, although other clinical circumstances, some of which may be more common in the elderly, such as renal or hepatic impairment, may warrant a dose reduction (see DOSAGE AND ADMINISTRATION).

Changes in Appetite Adult Patients: Treatment-emergent anorexia was more commonly reported for venlafaxine-treat (11%) than placebo-treated patients (2%) in the pool of short-term, double-blind, placebo-conti depression studies.

Perfession studies. Pediatric Patients: Decreased appetite has been observed in pediatric patients receiving Effexor XR. In he placebo-controlled trials for GAD and MDD, 10% of patients aged 6-17 treated with Effexor XR for up o eight weeks and 3% of patients treated with placebo reported treatment-emergent anorexia decreased appetite). None of the patients receiving Effexor XR discontinued for anorexia or weight loss.

Activation of Mania/Hypomania During Phase 2 and Phase 3 trials, hypomania or mania occurred in 0.5% of patients treated with venlafaxine. Activation of mania/hypomania has also been reported in a small proportion of patients with major affective disorder who were treated with other marketed antidepressants. As with all antidepressants, Effexor (venlafaxine hydrochloride) tablets should be used cautiously in patients with a history of mania.



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	7) of venlafaxine pat	on of Treatment Treatme venlafaxine patients in Phase 2 and Phase 3 depression studies n adverse event. The more common events (≥ 1%) associated with			
discontinuation and consid	ered to be drug-relat	ed (ie, those events associated with dro ompared to placebo) included: Placebo		Body System/ Preferred Term	
Somnolence Insomnia Dizziness Nervousness Dry mouth Anxiety	3% 3% 3% 2% 2% 2%	1% 1% 1%		Body as a Whole Abdominal pain Asthenia Chills Infection	
Gastrointestinal Nausea Urogenital	6%	1%		Cardiovascular System Hypertension Vasodilatation	
Abnormal ejaculation* Other Headache Asthenia Sweating	3% 3% 2% 2%	 		Digestive System Anorexia Dyspepsia Nausea Vomiting	

* Percentages based on the number of males. — Less than 1%

ADVERSE REACTIONS

Incidence in Controlled Trials Commonly Observed Adverse Events in Controlled Clinical Trials

Commonly Observed Adverse Events in Controlled Clinical Iriais The most commonly observed adverse events associated with the use of Effexor® (incidence of 5%) the most commonly observed adverse events associated with the use of Effexor® (incidence of 5%) or greater) and not seen at an equivalent incidence among placebo-treated patients (ie, incidence for Effexor at least twice that for placebo), derived from the 1% incidence table below, were asthenia, sweating, nausea, constipation, anorexia, vomiting, somnolence, dry mouth, dizziness, nervousness, anxiety, tremor, and blurred vision as well as abnormal ejaculation/orgasm and impotence in men. on/orgasm and impotence in mer

Adverse Events Occurring at an Incidence of 1% or More Among Effexor-Treated Patients es adverse events that occurred at an incidence of 1% or more, and The table that follows e were more frequent than in the placebo course events that occurred at all includes of 1/8 of holes, at short-term (4- to 8-week) placebo-controlled trials in which patients were administered doses in a range of 75 to 375 mg/day. This table shows the percentage of patients in each group who had at least one episode of an event at some time during their treatment. Reported adverse events were classified using a standard COSTART-based Dictionary terminology.

The prescriber should be aware that these figures cannot be used to predict the incidence of side effects in the course of usual medical practice where patient characteristics and other factors differ from those which prevailed in the clinical trials. Similarly, the cited frequencies cannot be compared with figures obtained from other clinical investigations involving different treatments, uses and investigators. The cited figures, however, do provide the prescribing physician with some basis for estimating the relative contribution of drug and nondrug factors to the side effect incidence rate in the prescribing entrylic. population studied.

TABLE 1 Treatment-Emergent Adverse Experience Incidence in 4- to 8-Week Placebo-Controlled Clinical Trials ¹				
Body System	Preferred Term	Effexor (n=1033)	Placebo (n=609)	
Body as a Whole	Headache Asthenia Infection Chills Chest pain Trauma	25% 12% 6% 3% 2% 2%	24% 6% 5% — 1% 1%	
Cardiovascular	Vasodilatation Increased blood pressure/hypertension Tachycardia Postural hypotension	4% 2% 2% 1%	3% 	
Dermatological	Sweating Rash Pruritus	12% 3% 1%	3% 2%	
Gastrointestinal	Nausea Constipation Anorexia Diarrhea Vomiting Dyspepsia Flatulence	37% 15% 11% 8% 6% 5% 3%	11% 7% 2% 7% 2% 4% 2%	
Metabolic	Weight loss	1%	_	
Nervous System	Somnolence Dry mouth Dizziness Insomnia Nervousness Anxiety Tremor Abnormal dreams Hypertonia Paresthesia Libido decreased Agitation Confusion Thinking abnormal Depresonalization Depression Urinary retention Twitching Yawn	23% 22% 19% 13% 6% 5% 4% 3% 3% 2% 2% 2% 2% 2% 2% 2% 1% 1% 1% 1% 3%	9% 11% 7% 6% 3% 3% 2% 2% 1% 1% 1% 	
Respiration			_	
Special Senses	Blurred vision Taste perversion Tinnitus Mydriasis	6% 2% 2% 2%	2% 	
Urogenital System	Abnormal ejaculation/ orgasm Impotence Urinary frequency Urination impaired Orgasm disturbance	12% ² 6% ² 3% 2% 2% ³	2 2 3	

Events reported by at least 1% of patients treated with Effexor (venlafaxine hydrochloride) tablets are included, and are rounded to the nearest %. Events for which the Effexor incidence was equal to or less than placebo are not listed in the table, but included the following: abdominal pain, pain, back pain, flu syndrome, fever, palpitation, increased appetite, myalgia, arthralgia, amnesia, hypesthesia, rhinitis, pharyngitis, sinusitis, cough increased, and dysmenorrhea³. Incidence less than 1%.

Incidence based on number of male patients

Incidence based on number of female patients

Dose Dependency of Adverse Events

A comparison of adverse event rates in a fixed-dose study comparing Effexor (venlafaxine hydrochloride) 75, 225, and 375 mg/day with placebo revealed a struct A comparison of adverse event rates in a fixed-dose study comparing Effexor (veniafaxine hydrochloride) 75, 225, and 375 mg/day with placebo revealed a dose dependency for some of the more common adverse events associated with Effexor use, as shown in the table that follows. The rule for including events was to enumerate those that occurred at an incidence of 5% or more for at least one of the venifaxine groups and for which the incidence was at least twice the placebo incidence for at least one Effexor group. Tests for potential dose relationships for these events (Cochran-Armitage Test, with a criterion of exact 2-sided p-value ≤ 0.05) suggested a dose-dependency for several adverse events in this list, including chills, hypertension, anorexia, nausea, agitation, dizziness, somnolence, tremor, yawning, sweating, and abnormal ejaculation.

Treat		nt Adverse Exp se Compariso	perience Incide n Trial	ence in a	
Bady System/					
Body System/ Preferred Term	Placebo (n=92)	75 (n=89)	225 (n=89)	375 (n=88)	
Body as a Whole					
Abdominal pain	3.3%	3.4%	2.2%	8.0%	
Asthenia	3.3%	16.9%	14.6%	14.8%	
Chills	1.1%	2.2%	5.6%	6.8%	
Infection	2.2%	2.2%	5.6%	2.3%	
Cardiovascular System					
Hypertension	1.1%	1.1%	2.2%	4.5%	
Vasodilatation	0.0%	4.5%	5.6%	2.3%	
Digestive System					
Anorexia	2.2%	14.6%	13.5%	17.0%	
Dyspepsia	2.2%	6.7%	6.7%	4.5%	
Nausea	14.1%	32.6%	38.2%	58.0%	
Vomiting	1.1%	7.9%	3.4%	6.8%	
Nervous System					
Agitation	0.0%	1.1%	2.2%	4.5%	
Anxiety	4.3%	11.2%	4.5%	2.3%	
Dizziness	4.3%	19.1%	22.5%	23.9%	
Insomnia	9.8%	22.5%	20.2%	13.6%	
Libido decreased	1.1%	2.2%	1.1%	5.7%	
Nervousness	4.3%	21.3%	13.5%	12.5%	
Somnolence	4.3%	16.9%	18.0%	26.1%	
Tremor	0.0%	1.1%	2.2%	10.2%	
Respiratory System					
Yawn	0.0%	4.5%	5.6%	8.0%	
Skin and Appendages					
Sweating	5.4%	6.7%	12.4%	19.3%	
Special Senses					
Abnormality of					
accommodation	0.0%	9.1%	7.9%	5.6%	
Urogenital System					
Abnormal					
ejaculation/orgasm	0.0%	4.5%	2.2%	12.5%	
Impotence	0.0%	5.8%	2.1%	3.6%	
(Number of men)	(n=63)	(n=52)	(n=48)	(n=56)	

TABLE 2

Adaptation to Certain Adverse Events Over a 6-week period, there was evidence of adaptation to some adverse events with continued therapy (eg, dizziness and nausea), but less to other effects (eg, abnormal ejaculation and dry mouth).

Vital Sign Changes

Vital Sign Changes Effexor (ventafaxine hydrochloride) tablets treatment (averaged over all dose groups) in clinical trials was associated with a mean increase in pulse rate of approximately 3 beats per minute, compared to no change for placebo. In a flexible-dose study, with doses in the range of 200 to 375 mg/day and mean dose greater than 300 mg/day, the mean pulse was increased by about 2 beats per minute compared with a decrease of about 1 beat per minute for placebo.

n controlled clinical trials, Effexor was associated with mean increases in diastolic blood pressure anging from 0.7 to 2.5 mm Hg averaged over all dose groups, compared to mean decreases ranging from 0.9 to 3.8 mm Hg for placebo. However, there is a dose dependency for blood pressure increase (see WARNINGS)

Laboratory Changes Of the serum chemistry and hematology parameters monitored during clinical trials with Effexor, a statistically significant difference with placebo was seen only for serum cholesterol. In premarketing trials, treatment with Effexor tablets was associated with a mean final on-therapy increase in total cholesterol of a mo/dl terol of 3 mg/dL

cholesterol of 3 mg/dL. Patients treated with Effexor tablets for at least 3 months in placebo-controlled 12-month extension trials had a mean final on-therapy increase in total cholesterol of 9.1 mg/dL compared with a decrease of 7.1 mg/dL among placebo-treated patients. This increase was duration dependent over the study period and tended to be greater with higher doses. Clinically relevant increases in serum cholesterol, defined as 1) a final on-therapy increase in serum cholesterol ≥50 mg/dL from baseline and to a value ≥261 mg/dL or 2) an average on-therapy increase in serum cholesterol ≥50 mg/dL from baseline and to a value ≥261 mg/dL, were recorded in 5.3% of ventataxine-treated patients and 0.0% of placebo-treated patients (see **PRECAUTIONS-General-***Serum Cholesterol Elevation*).

ECG Changes In an analysis of ECGs obtained in 769 patients treated with Effexor and 450 patients treated with in an analysis of ECGs obtained in 769 patients treated with Effexor and 450 patients treated with the statistically significant difference observed was for heart nacebo in controlled clinical trials, the ate, ie, a mean increase from baseline ith doses in the the only statistically significant difference observed was for he eline of 4 beats per minute for Effexor. In a flexible-dose study, rate, Ie, a mean increase from baseline of 4 beats per finitute for Errext. In a newpercuse study, with doses in the range of 200 to 375 mg/day and mean dose greater than 300 mg/day, the mean change in heart rate was 8.5 beats per minute compared with 1.7 beats per minute for placebo (see **PRECAUTIONS, General**, Use in Patients with Concomitant Illness).

Other Events Observed During the Premarketing Evaluation of Venlafaxine During its premarketing assessment, multiple doses of Effexor were administered to 2897 patients in Phase 2 and Phase 3 studies. In addition, in premarketing assessment of Effexor XR (the extended release form of venlafaxine), multiple doses were administered to 705 patients in Phase 3 major depressive disorder studies and Effexor was administered to 96 patients. During its premarketing depressive disorder studies and Effexor was administered to 96 patients. During its premarketing assessment, multiple doses of Effexor XR were also administered to 1381 patients in Phase 3 GAD studies and 277 patients in Phase 3 Social Anxiety Disorder studies. The conditions and duration of exposure to venlafaxine in both development programs varied greatly, and included (in overlapping categories) open and double-blind studies, uncontrolled and controlled studies, inpatient (Effexor only) and outpatient studies, fixed-dose and titration studies. Untoward events associated with this exposure were recorded by clinical investigators using terminology of their own choosing. Consequently, it is not possible to provide a meaningful estimate of the proportion of individuals experiencing adverse events without first grouping similar types of untoward events into a smaller number of standardized event categories.

number or standardized event categories. In the tabulations that follow, reported adverse events were classified using a standard COSTART-based Dictionary terminology. The frequencies presented, therefore, represent the proportion of the 5356 patients exposed to multiple doses of either formulation of venlafaxine who experienced an event of the type cited on at least one occasion while receiving venlafaxine. All reported events are included except those already listed in Table 1 and those events for which a drug cause was remote. If the COSTART term for an event was so general as to be uninformative, it was replaced with a more informative term. It is important to emphasize that, although the events reported occurred during treatment with venlafaxine, they were not necessarily caused by it.

Events are further categorized by body system and listed in order of decreasing frequency using the following definitions: frequent adverse events are defined as those occurring on one or more occasion in at least 1/100 patients; infrequent adverse events are those occurring in 1/100 to 1/1000 patients; rare events are those occurring in fewer than 1/1000 patients.

rare events are inose occurring in fewer than 1/1000 patients. Body as a whole—Frequent: accidental injury, chest pain substernal, neck pain; Infrequent: face edema, intentional injury, malaise, moniliasis, neck rigidity, pelvic pain, photosensitivity reaction, suicide attempt, withdrawal syndrome; Rare: appendicitis, bacteremia, carcinoma, cellulitis. Cardiovascular system—Frequent: migraine; Infrequent: angina pectoris, arrhythmia, extrasystoles, hypotension, peripheral vascular disorder (mainly cold feet and/or cold hands), syncope, thrombophlebitis; Rare: aortic aneurysm, arteritis, first-degree atrioventrizar block, bigeminy, bradycardia, bundle branch block, capillary fragility, cardiovascular disorder (mitral valve and circulatory disturbance), cerebral ischemia, coronary artery disease, congestive heart failure, heart arrest, muccutaneous hemorrhage. myocardial infarct, pallor. arrest, mucocutaneous hemorrhage, myocardial infarct, pallor.

Digestive system—Frequent: eructation; Infrequent: bruxism, colitis, dysphagia, tongue edema, esophagitis, gastritis, gastroenteritis, gastrointestinal ulcer, gingivitis, glossitis, rectal hemorrhage, hemorrhoids, melena, oral moniliasis, stomatitis, mouth ulceration; Rare: cheilitis, cholecystitis, honormalis, duodenitis, esophageal spasm, hematemesis, gastrointestinal hemorrhage, gum hemorrhage, hepatitis, ileitis, jaundice, intestinal obstruction, parotitis, periodontitis, proctitis, increased salivation, soft stools, tongue discoloration.

Endocrine system-Rare: goiter, hyperthyroidism, hypothyroidism, thyroid nodule, thyroiditis, Hemic and lymphatic system—Frequent: ecchymosis; Infrequent: anemia, leukocytosis, leukopenia, lymphadenopathy, thrombocythemia, thrombocytopenia; Rare: basophilia, bleeding time increased, cyanosis, eosinophilia, lymphocytosis, multiple myeloma, purpura. Metabolic and nutritional—Frequent: edema, weight gain; Infrequent: alkaline phosphatase increased, dehydration, hypercholesteremia, hyperglycemia, hyperlipemia, hypokalemia, SGOT (AST) increased, SGPT (ALT) increased, thirst; Rare: alcohol intolerance, bilinubinemia, BUN increased, creatinine increased, diabetes mellitus, glycosuria, gout, healing abnormal, hemochromatosis, hypercalcinuria, hyperkalemia, hyperphosphatemia, hyperuricemia, pocholesteremia, hypoglycemia, hyponatremia, hypophosphatemia, hypoproteinemia, uremia,

Musculoskeletal system—Infrequent: arthritis, arthrosis, bone pain, bone spurs, bursitis, leg cramps, myasthenia, tenosynovitis; **Rare:** pathological fracture, myopathy, osteoporosis, osteosclerosis, plantar fasciitis, rheumatoid arthritis, tendon rupture.

laritari taschits, medinatudi arimitis, tendon hupute: lervous system—Frequent: trismus, vertigo; Infrequent: akathisia, apathy, ataxia, circumoral aresthesia, CNS stimulation, emotional lability, euphoria, hallucinations, hostility, hyperesthesia, yperkinesia, hypotonia, incoordination, libido increased, manic reaction, myoclonus, neuralgia, europathy, psychosis, seizure, abnormal speech, stupor; **Rare**: akinesia, alcohol abuse, aphasia, radykinesia, buccoglossal syndrome, cerebrovascular accident, loss of consciousness, delusions, evention development experience in the feature technicaria context. hardymetaia, buccoglossiai paralysis, feeling drunk, abnormal gait, Guillain-Barre Syndrome, nyperchlorhydria, hypokinesia, impulse control difficulties, neuritis, nystagmus, paranoid reaction, paresis, psychotic depression, reflexes decreased, reflexes increased, suicidal ideation, torticollis Respiratory system-Frequent: bronchitis, dyspnea; Infrequent: asthma, chest congestion, epistaxis, hyperventilation, laryngismus, laryngitis, pneumonia, voice alteration; Rare: atelectasis, hemoptysis, hypoventilation, hypoxia, larynx edema, pleurisy, pulmonary embolus, sleep apnea. Skin and appendages-Infrequent: acne, alopecia, brittle nails, contact dermatitis, dry skin,

And allo appertuges - introduction and a province trains and a province trains, any sam, a carear, skin hypertrophy, maculopapular rash, psoriasis, urticaria; Rare: erythema nodosum, xfoliative dermatitis, lichenoid dermatitis, hair discoloration, skin discoloration, furunculosis, irsutism, leukoderma, petechial rash, pustular rash, vesiculobullous rash, seborrhea, skin atrophy, Special senses-Frequent: abnormality of accommodation, abnormal vision; Infrequent: cataract,

Special senses—Frequent: abnormality of accommodation, abnormal vision; Infrequent: cataract, conjunctivitis, corneal lesion, diplopia, dry eyes, eye pain, hyperacusis, otitis media, parosmia, photophobia, taste loss, visual field defect; Rare: blepharitis, chromatopsia, conjunctival edema, deafness, exophthalmos, glaucoma, retinal hemorrhage, subconjunctival hemorrhage, keratitis, labyrinthitis, miosis, papilledema, decreased pupillary reflex, otitis externa, scleritis, uveitis. Urogenital system—Frequent: metrorrhagia*, prostatic disorder (prostatitis and enlarged prostate)*, vaginitis*; Infrequent: albuminuria, amenorrhea*, cystitis, dysuria, hematuria, leukorrhea*, menorrhagia*, nocturia, bladder pain, breast pain, polyuria, pyuria, urinary incominence, urinary urgency, vaginal hemorrhage*; Rare: abortion*, anuria, balanitis*, breast discharge, breast engorgement, breast enlargement, endometriosis*, fibrocystic breast, calcium crystalluria, cervicitis*, ovarian cyst*, prolonged erection*, gynecomastia (male)*, hypomenorrhea*, kidney calculus, kidney pain, kidney function abnormal, female lactation*, mastitis, menopause*, oliguria, orchitis*, pyelonephritis, salpingitis*, urolithiasis, uterine hemorrhage*, uterine spasm*, vaginal dryness*.

* Based on the number of men and women as appropriate

Postmarketing Reports Voluntary reports of other adverse events temporally associated with the use of venlafaxine that have been received since market introduction and that may have no causal relationship with the use of Voluntary reports of other adverse events temporally associated with the use of venlafaxine that have been received since market introduction and that may have no causal relationship with the use of venlafaxine include the following: agranulocytosis, anaphylaxis, aplastic anemia, catatonia, congenital anomalies, CPK increased, deep vein thrombophlebitis, delirium, EKG abnormalities such as QT prolongation; cardiac arrhythmias including atrial fibrillation, supraventricular tachycardia, ventricular extrasystole, and rare reports of ventricular fibrillation and ventricular tachycardia, ventricular extrasystole, and rare reports of ventricular fibrillation and ventricular tachycardia, including torsade de pointes; epidermal necrosis/Stevens-Johnson Syndrome, erythema multiforme, extrapyramidal symptoms (including dyskinesia and tardive dyskinesia), angle-closure glaucoma, hemorrhage (including eye and gastrointestinal bleeding), hepatic events (including GGT elevation; abnormalities of unspecified liver function tests; liver damage, necrosis, or failure; and fatty liver), involuntary move-ments, LDH increased, neuroleptic malignant syndrome-like events (including a case of a 10-year-old who may have been taking methylphenidate, was treated and recovered), neutropenia, ngift sweats, pancreatitis, panotypoenia, panic, prolactin increased, pulmonary eosinophilla, renal failure, Discontinuing Effexor (venlafaxine hydrochloride) Symptoms associated with discontinuation of Effexor, (see PRECAUTIONS). Patients should be monitored for other SNRIs and SSRIs have been reported Symptoms associated with discontinuation of Effexor, other SNRIs, and SSRIs, have been reported (see **PRECAUTIONS**). Patients should be monitored for these symptoms when discontinuing treatment. A gradual reduction in the dose rather than abrupt cessation is recommended whenever possible. If intolerable symptoms occur following a decrease in the dose or upon discontinuation of treatment, then resuming the previously prescribed dose may be considered. Subsequently, the physician may continue decreasing the dose but at a more gradual rate. SWITCHING PATIENTS TO OR FROM A MONOAMINE OXIDASE INHIBITOR At least 14 days should elapse between discontinuation of an MAOI and initiation of therapy with Effexor. In addition, at least 7 days should be allowed after stopping Effexor before starting an MAOI (see CONTRAINDICATIONS and WARNINGS). they have been taking interpretation was related and records), relations in the second HOW SUPPLIED axine hydrochloride) Tablets are available as follows: 25 mg, peach, shield-shaped tablet with "25" and a "W" on one side and "701" on scored reverse side

There have been reports of elevated clozapine levels that were temporally associated with adverse events, including seizures, following the addition of venlafaxine. There have been reports of increases in prothrombin time, partial thromboplastin time, or INR when venlafaxine was given to patients receiving warfarin therapy.

DRUG ABUSE AND DEPENDENCE

lled Sub nce Class

Effexor (venlafaxine hydrochloride) is not a controlled substance.

Physical and Psychological Dependence In vitro studies revealed that venlafaxine has virtually no affinity for opiate, benzodiazepine, phencyclidine (PCP), or N-methyl-D-aspartic acid (NMDA) receptors.

Venlataxine (roll), or remember 2 apartic acid (remore receptor). Venlataxine was not found to have any significant CNS simulant activity in rodents. In primate drug discrimination studies, venlafaxine showed no significant stimulant or depressant abuse liability. Discontinuation effects have been reported in patients receiving venlafaxine (see DOSAGE AND ADMINISTRATION).

While Effexor has not been systematically studied in clinical trials for its potential for abuse, there was no indication of drug-seeking behavior in the clinical trials. However, it is not possible to predict on the basis of premarketing experience the extent to which a CNS active drug will be misused, diverted, and/or abused once marketed. Consequently, physicians should carefully evaluate patients for history of drug abuse and follow such patients closely, observing them for signs of misuse or abuse of Effexor (eg, development of tolerance, incrementation of dose, drug-seeking behavior).

abuse of Effexor (eg, development of tolerance, incrementation of dose, drug-seeking behavior). **OVERDOSAGE Human Experience** There were 14 reports of acute overdose with Effexor (venlafaxine hydrochloride) tablets, either alone or in combination. The majority of the reports involved ingestions in which the total dose of Effexor taken was estimated to be no more than several-fold higher than the total dose of Effexor taken was estimated to be no more than several-fold higher than the usual therapeutic dose. The 3 patients who took the highest doses were estimated to have ingested approximately (6.75 g, and 2.35 µg/mL, respectively, and the peak plasma levels of 0-desmethylvenafaxine were 3.37 and 1.30 µg/mL, respectively. Plasma venlafaxine levels were not obtained for the patients were 6.24 and 6.75 g of venlafaxine. All 14 patients recovered without sequelae. Most patients reported no symptoms. Among the remaining patients, somnolence was the most commonly reported symptom. The patient who ingested 2.75 g of venlafaxine was observed to have 2 generalized convulsions and a prolongation of OTc to 500 msec, compared with 405 msec at baseline. Mild sinus tachycardia was reported in 2 of the other patients. In postmarketing experience, overdose with venlafaxine has occurred predominantly in combination

In postmarketing experience, overdose with venlafaxine has occurred predominantly in combination with alcohol and/or other drugs. Electrocardiogram changes (eg, prolongation of QT interval, bundle branch block, QRS prolongation), sinus and ventricular tachycardia, bradycardia, hypotension, altered level of consciousness (ranging from somnolence to coma), rhabdomyolysis, seizures, vertigo, and death have been reported.

Management of Overdosage Treatment should consist of those general measures employed in the management of overdosage

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 or venlafaxine are known

In managing overdosage, consider the possibility of multiple drug involvement. The physician should consider contacting a poison control center for additional information on the treatment of any overdose. Telephone numbers for certified poison control centers are listed in the *Physicians' Desk Reference (PDR)*.

DOSAGE AND ADMINISTRATION

Initial Treatment The recommended starting dose for Effexor is 75 mg/day, administered in two or three divided doses, taken with food. Depending on tolerability and the need for further clinical effect, the dose may be increased to 150 mg/day. If needed, the dose should be further increased up to 225 mg/day. When increasing the dose, increments of up to 75 mg/day should be made at intervals of no less than 4 days. In outpatient settings there was no evidence of usefulness of doses greater than 225 mg/day for moderately depressed patients, but more severely depressed inpatients responded to a mean dose of 350 mg/day. Certain patients, including more severely depressed patients, may therefore respond more to higher doses, up to a maximum of 375 mg/day, generally in three divided doses (see **PRECAUTIONS, General**, *Use in Patients with Concomitant Illness*).

CI 8055-2 Effexor Tablets Circular - WPC (AWPI)-Puerto Rico for United States 4P 2 Feb. 2005 KK DWG. 5978r2 10 January 2005



Special Populations Treatment of Pregnant Women During the Third Trimester Neonates exposed to Effexor, other SNRIs, or SSRIs, late in the third trimester have developed complications requiring prolonged hospitalization, respiratory support, and tube feeding (see PRECAUTIONS). When treating pregnant women with Effexor during the third trimester, the physician should carefully consider the potential risks and benefits of treatment. The physician ma consider tapering Effexor in the third trimester. cian mav

Dosage for Patients with Hepatic Impairment

Dosage for Patients with Hepatic Impairment Given the decrease in clearance and increase in elimination half-life for both venlafaxine and ODV that is observed in patients with hepatic cirrhosis compared to normal subjects (see CLINICAL PHARMACOLOGY), it is recommended that the total daily dose be reduced by 50% in patients with moderate hepatic impairment. Since there was much individual variability in clearance between patients with cirrhosis, it may be necessary to reduce the dose even more than 50%, and individualization of dosing may be desirable in some patients

Dosage for Patients with Renal Impairment Given the decrease in clearance for venlafaxine and the increase in elimination half-life for both venlafaxine and ODV that is observed in patients with renal impairment (GFR = 10 to 70 mL/min) compared to normals (see **CLINICAL PHARMACOLOGY**), it is recommended that the total daily dose be reduced by 25% in patients with mild to moderate renal impairment. It is recommended the the total daily dose be reduced by 50% and the dose be withheld until the dialysis treatment is completed (4 hrs) in patients undergoing hemodialysis. Since there was much individual variability i clearance between patients with renal impairment, individualization of dosing may be desirable in the set of nility in some patients.

Dosage for Elderly Patients

Dosage for Eldeny Patients No dose adjustment is recommended for elderly patients on the basis of age. As with any antidepressant, however, caution should be exercised in treating the elderly. When individualizing the dosage, extra care should be taken when increasing the dose.

dosage, extra care should be taken when increasing the dose. Maintenance Treatment It is generally agreed that acute episodes of major depressive disorder require several months or longer of sustained pharmacological therapy beyond response to the acute episode. In one study, in which patients responding during 8 weeks of acute treatment with Effexor XR were assigned randomly to placebo or to the same dose of Effexor XR (75, 150, or 225 mg/day, qAM) during 26 weeks of maintenance treatment as they had received during the acute stabilization phase, longer-term efficacy was demonstrated. A second longer-term study has demonstrated the efficacy of Effexor in maintaining an antidepressant response in patients with recurrent depression who had responded and continued to be improved during an initial 26 weeks of treatment and were then randomly assigned to placebo or Effexor for periods of up to 52 weeks on the same dose (100 to 200 mg/day, on a b.i.d. schedule) (see CLINICAL TRIALS). Based on these limited data, it is not known whether or not the dose of EffexorTRIPACS and for maintenance treatment is identical to the dose needed to achieve an initial response. Patients should be periodically reassessed to determine the need for maintenance treatment and the appropriate dose for such treatment. Discontinuing Effexor (ventatarine hydrochloride)

NDC 0008-0701-01, bottle of 100 tablets. NDC 0008-0701-02, carton of 10 Redipak® blister strips of 10 tablets each

37.5 mg, peach, shield-shaped tablet with "37.5" and a "W" on one side and "781" on scored reverse NDC 0008-0781-01, bottle of 100 tablets.

NDC 0008-0781-02, carton of 10 Redipak® blister strips of 10 tablets each

50 mg, peach, shield-shaped tablet with "50" and a " $\pmb{\mathsf{W}}$ " on one side and "703" on scored reverse NDC 0008-0703-01, bottle of 100 tablets

NDC 0008-0703-02, carton of 10 Redipak® blister strips of 10 tablets each 75 mg, peach, shield-shaped tablet with "75" and a "W" on one side and "704" on scored reverse side.

NDC 0008-0704-01, bottle of 100 tablets. NDC 0008-0704-02, carton of 10 Redipak® blister strips of 10 tablets each.

100 mg, peach, shield-shaped tablet with "100" and a "W" on one side and "705" on scored reverse NDC 0008-0705-01, bottle of 100 tablets.

NDC 0008-0705-02, carton of 10 Redipak® blister strips of 10 tablets each The appearance of these tablets is a trademark of Wyeth Pharmaceuticals

Store at controlled room temperature 20° to 25°C (68° to 77°F) in a dry place. Dispense in a well-closed container as defined in the USP.

About Using Antidepressants in Children and T

What is the most important information I should know if my child is being prescribed an

Parents or guardians need to think about 4 important things when their child is prescribed an

1. There is a risk of suicidal thoughts or actions.

2. How to try to prevent suicidal thoughts or actions in your child.

3. You should watch for certain signs if your child is taking an antidepressant.

4. There are benefits and risks when using antidepressants

1. There is a Risk of Suicidal Thoughts or Actions

Children and teenagers sometimes think about suicide, and many report trying to kill themselves. Antidepressants increase suicidal thoughts and actions in some children and teenagers. But suicidal houghts and actions can also be caused by depression, a serious medical condition that is sommonly treated with antidepressants. Thinking about killing yourself or trying to kill yourself is called *suicidality* or *being suicidal*.

A large study combined the results of 24 different studies of children and teenagers with depression or other illnesses. In these studies, patients took either a placebo (sugar pill) or an antidepressant for 1 to 4 months. **No one committed suicide in these studies**, but some patients became suicidal. On sugar pills, 2 out of every 100 became suicidal. On the antidepressants, 4 out of every 100 patients became suicidal.

For some children and teenagers, the risks of suicidal actions may be especially high. These include patients with:

- Bipolar illness (sometimes called manic-depressive illness)
- · A family history of bipolar illness
- · A personal or family history of attempting suicide

If any of these are present, make sure you tell your healthcare provider before your child takes an

2. How to Try to Prevent Suicidal Thoughts and Actions

To try to prevent suicidal thoughts and actions in your child, pay close attention to changes in her or his moods or actions, especially if the changes occur suddenly. Other important people in your child's life can help by paying attention as well (e.g., your child, brothers and sisters, teachers, and other important people). The changes to look out for are listed in Section 3, on what to watch for.

Whenever an antidepressant is started or its dose is changed, pay close attention to your child. After starting an antidepressant, your child should generally see his or her healthcare provider:

- Once a week for the first 4 weeks
- Every 2 weeks for the next 4 weeks After taking the antidepressant for 12 weeks
- · After 12 weeks, follow your healthcare provider's advice about how often to come back
- More often if problems or questions arise (see Section 3)
- You should call your child's healthcare provider between visits if needed

3. You Should Watch for Certain Signs If Your Child is Taking an Antidepressa

Contact your child's healthcare provider right away if your child exhibits any of the following signs for the first time, or if they seem worse, or worry you, your child, or your child's teach

- Thoughts about suicide or dying
- Attempts to commit suicide
- New or worse depression
- New or worse anxiety
- · Feeling very agitated or restles
- Panic attacks
- Difficulty sleeping (insomnia)
- New or worse irritability
- Acting aggressive, being angry, or violent
- Acting on dangerous impulses
- · An extreme increase in activity and talking
- Other unusual changes in behavior or mood

Never let your child stop taking an antidepressant without first talking to his or her healthcare provider. Stopping an antidepressant suddenly can cause other symptoms.

4. There are Benefits and Risks When Using Antidepressants

Antidepressants are used to treat depression and other illnesses. Depression and other illnesses can lead to suicide. In some children and teenagers, treatment with an antidepressant increases suicidal thinking or actions. It is important to discuss all the risks of treating depression and also the risks of not treating it. You and your child should discuss all treatment choices with your healthcare provider, not just the use of antidepressants.

Other side effects can occur with antidepressants (see section below).

Of all the antidepressants, only fluoxetine (Prozac®) has been FDA approved to treat pediatric

For obsessive compulsive disorder in children and teenagers, FDA has approved only fluoxetine (Prozac®), sertraline (Zoloft®), fluvoxamine, and clomipramine (Anafranil®).*

Your healthcare provider may suggest other antidepressants based on the past experience of your child or other family members.

Is this all I need to know if my child is being prescribed an antidepressant?

No. This is a warning about the risk for suicidality. Other side effects can occur with antidepressants. Be sure to ask your healthcare provider to explain all the side effects of the particular drug he or she is prescribing. Also ask about drugs to avoid when taking an antidepressant. Ask your healthcare provider or pharmacist where to find more information.

*Prozac[®] is a registered trademark of Eli Lilly and Company Zoloft[®] is a registered trademark of Pfizer Pharmaceuti Anafranil[®] is a registered trademark of Mallinckrodt Inc

This Medication Guide has been approved by the U.S. Food and Drug Administration for all

W10402C011 Rev 01/05

Wyeth Pharmaceuticals Inc Philadelphia PA 19101

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