The International Journal of Neuropsychiatric Medicine

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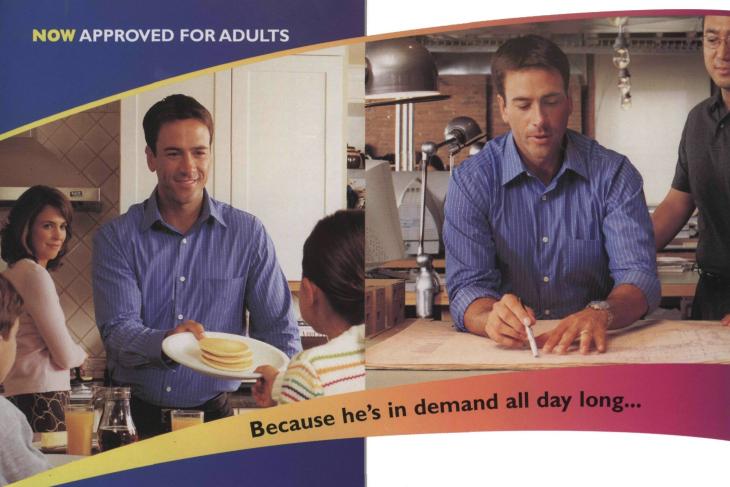
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D.J. Stein



HOME

Aim Higher With ADDERALL XR®

The most common adverse events in pediatric trials included loss of appetite, insomnia, abdominal pain, and emotional lability. The most common adverse events in the adult trial included dry mouth, loss of appetite, insomnia, headache, and weight loss.

The effectiveness of ADDERALL XR for long-term use has not been systematically evaluated in controlled trials. As with other psychostimulants indicated for ADHD, there is a potential for exacerbating motor and phonic tics and Tourette's syndrome. A side effect seen with the amphetamine class is psychosis. Caution also should be exercised in patients with a history of psychosis.

Abuse of amphetamines may lead to dependence. Misuse of amphetamines may cause sudden death and serious cardiovascular adverse events. ADDERALL XR generally should not be used in children or adults with structural cardiac abnormalities. ADDERALL XR is contraindicated in patients with symptomatic cardiovascular disease, moderate to severe hypertension, hyperthyroidism and glaucoma, known hypersensitivity to this class of compounds, agitated states, history of drug abuse, or current or recent use of MAO inhibitors. ADDERALL XR should be prescribed with close physician supervision.

Reference: I. Data on file, Shire US Inc., 2005.

Please see brief summary of prescribing information on adjacent page. www.ADDERALLXR.com

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WORK

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- Mean ADHD-RS total scores for adults receiving 20 mg
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- ADDERALL XR is the only stimulant medication approved to treat adults with ADHD¹
- Clinical data in adults demonstrate that ADDERALL XR is generally well tolerated



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Reach new heights

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5 mg, 10 mg, 15 mg, 20 mg, 25 mg, 30 mg CAPSULES (Mixed Salts of a Single-Entity Amphetamine Product) bextroamphetamine Sulfate Dextroamphetamine Saccharate Amphetamine Aspartate Monohydrate Amphetamine Sulfate

AMPHETAMINES HAVE A HIGH POTENTIAL FOR ABUSE. ADMINISTRATION OF AMPHETAMINES FOR PROLONGED PERIODS OF TIME MAY LEAD TO DRUG DEPENDENCE. PARTICULAR ATTENTION SHOULD BE PAID TO THE POSSIBILITY OF SUBJECTS OBTAINING AMPHETAMINES FOR NON-THERAPEUTIC USE OR DISTRIBUTION TO OTHERS AND THE DRUGS SHOULD BE PRESCRIBED OR DISPENSED SPARINGLY.

MISUSE OF AMPHETAMINE MAY CAUSE SUDDEN DEATH AND SERIOUS CARDIOVASCULAR ADVERSE

INDICATIONS

ADDERALL XR® is indicated for the treatment of Attention Deficit Hyperactivity Disorder (ADHD). The efficacy of ADDERALL XR® in the treatment of ADHD was established on the basis of two controlled trials in children aged 6 to 12, and one controlled trial in adults who met DSM-IV criteria for ADHD (see CLINICAL PHARMACOLOGY), along with extrapolation from the known efficacy of ADDERALL®, immediate-release

formulation of this substance.

CONTRAINDICATIONS

CONTAINDICATIONS
Advanced arteriosclerosis, symptomatic cardiovascular disease, moderate to severe hypertension, hyperthyroidism, known hypersensitivity or idiosyncrasy to the sympathomimetic amines, glaucoma. Agitated states. Patients with a history of drug abuse. During or within 14 days following the administration of monoamine oxidase inhibitors (hypertensive crises may result).

WARNINGS

Psychosis: Clinical experience suggests that, in psychotic patients, administration of amphetamine may exacerbate symptoms of behavior disturbance and thought disorder. Long-Term Suppression of Growth: Data are inadequate to determine whether chron-

ic use of stimulants in children, including amphetamine, may be causally associated with suppression of growth.

Ic use or stimulants in children, including amphetamine, may be causally associated with suppression of growth as Therefore, growth should be monitored during treatment, and patients who are not growing or gaining weight as expected should have their treatment interrupted.

Sudden Death and Pre-existing Structural Cardiac Abnormalities: Sudden death has been reported in association with amphetamine treatment at usual doses in children with structural cardiac abnormalities. Adderall XR® generally should not be used in children or adults with structural cardiac abnormalities.

PRECAUTIONS

General: The least amount of amphetamine feasible should be prescribed or dispensed at one time in order to minimize the possibility of overdosage.

Hypertension: Caution is to be exercised in prescribing amphetamines for patients with even mild hypertension (see CONTRAINDICATIONS). Blood pressure and pulse should be monitored at appropriate intervals in patients taking ADDERALL XPR, especially patients with hypertension.

Ties: Amphetamines have been reported to exacerbate motor and phonic tics and Tourette's syndrome. Therefore, clinical evaluation for tics and Tourette's syndrome in children and their families should precede use of stimulant

medications.

Information for Patients: Amphetamines may impair the ability of the patient to engage in potentially hazardous activities such as operating machinery or vehicles; the patient should therefore be cautioned accordingly.

Information for Patients: Amphetamines may impair the ability of the patient to engage in potentially hazardous activities such as operating machinery or vehicles; the patient should therefore be cautioned accordingly.

Drug Interactions: Acidinying agents—Gastrointestinal acidifying agents (quanethidine, reserpine, glutamic acid HCl, ascorbic acid, etc.) lower absorption of amphetamines. Urinary acidinying agents—These agents (ammonium chloride, sodium acid phosphate, etc.) increase the concentration of the ionized species of the amphetamine molecule, thereby increasing urinary excretion. Both groups of agents lower blood levels and efficacy of amphetamines. Adrenergic blockers—Adrenergic blockers are inhibited by amphetamines. Alkalinizing agents (astrointestinal alkalinizing agents (sodium bicarbonate, etc.) increase absorption of amphetamines. Ackalinizing agents (astrointestinal alkalinizing agents (sodium bicarbonate, etc.) increase absorption of amphetamines. Ackalinizing agents (actazolamide, some thiazides) increase the concentration of the non-ionized species of the amphetamine molecule, thereby decreasing urinary excretion. Both groups of agents increase blood levels and therefore potentiate the actions of amphetamines. Antidepressants, tricyclic—Amphetamine or portipyticy of tricyclic antidepressants or sympathomimetic agents; d-amphetamine with desipramine or portipyticy of the projection of the release of norepinephrine and other monoamines from adrenergic nerve endings; this can cause headaches and other signs of hypertensive crisis. A variety of toxic neurological effects and malignant hyperprexia can of the relative and the results. Antihistamines—Amphetamine reventions; thus inhibiting the central stimulant effects of amphetamines may antagonize the hypotensive effects of antihypertensives—Amphetamines may elay intestinal absorption of therease in the revention of phenytoric, co-administration of phenytoric may produce a synergistic anticonvulsant action. Propoxyphene—In cases of propoxyphene—

the hypotensive effect of veratrum alkaloids.

DrugLaboratory Teal Interactions: Amphetamines can cause a significant elevation in plasma corticosteroid levels. This increase is greatest in the evening. Amphetamines may interfere with urinary steroid determinations.

Carcinogenesis/Mutagenesis and Impairment of Fertility: No evidence of carcinogenicity was found in studies in which d.1-amphetamine (enantiomer ratio of 1:1) was administered to mice and rats in the diet for 2 years at doses of up to 30 mg/kg/day in male mice, 19 mg/kg/day in female mice, and 5 mg/kg/day in male and female rats. These doses are approximately 2.4, 1.5, and 0.8 times, respectively, the maximum recommended human dose of 30 mg/day (child) on a mg/m² body surface area basis.

Amphetamine, in the enantiomer ratio present in ADDERALL® (immediate-release)(d- to 1- ratio of 3:1), was not clastogenic in the mouse bone marrow micronucleus test *in vivo* and was negative when tested in the *E. coli* component of the Ames test *in vitro*. d.1-Amphetamine (1:1 enantiomer ratio) has been reported to produce positive responses in the mouse bone marrow micronucleus test, an equivocal response in the mass test, and negative responses in the *in vitro* sister chromatid exchange and chromosomal aberration assays.

negative responses in the *in vitro* sister chromatid exchange and chromosomal aberration assays. Amphetamine, in the enantiomer ratio present in ADDERALL® (immediate-release) (d- to I- ratio of 3:1), did not adversely affect fertility or early embryonic development in the rat at doses of up to 20 mg/kg/day (approximately 5 times the maximum recommended human dose of 30 mg/day on a mg/m² body surface area basis). Pregnancy: Pregnancy Category C. Amphetamine, in the enantiomer ratio present in ADDERALL® (d- to I- ratio of 3:1), had no apparent effects on embryofetal morphological development or survival when orally administered to pregnant rats and rabbits throughout the period of organogenesis at doses of up to 6 and 16 mg/kg/day, respectively. These doses are approximately 1.5 and 8 times, respectively, the maximum recommended human dose of 30 mg/day (child) on a mg/m² body surface area basis. Fetal malformations and death have been reported in mice following parenteral administration of d-amphetamine doses of 50 mg/kg/day (approximately 6 times that of a human dose of 30 mg/day (child) on a mg/m² basis) or greater to pregnant animals. Administration of these doses was also associated with severe maternal toxicity. A number of studies in rodents indicate that prenatal or early postnatal exposure to amphetamine (d- or d,I-), at doses similar to those used clinically, can result in long-term neurochemical and behavioral alterations. Reported behavioral effects include learning and memory deficits, altered locomotor activity, and changes in sexual function. There are no adequate and well-controlled studies in pregnant women. There has been one report of severe

There are no adequate and well-controlled studies in pregnant women. There has been one report of severe congenital bony deformity, tracheo-esophageal fistula, and anal atresia (vater association) in a baby born to woman who took dextroamphetamine sulfate with lovastatin during the first trimester of pregnancy. Amphetamines should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus. Nonteratogenic Effects: Infants born to mothers dependent on amphetamines have an increased risk of premature delivery and low birth weight. Also, these infants may experience symptoms of withdrawal as demonstrated by dysphoria, including agitation, and significant lassitude.

Demonstrated by dysphoria, including agriation, and significant lassitude.

Usage in Nursing Mothers: Amphetamines are excreted in human milk, Mothers taking amphetamines should be advised to refrain from nursing.

Pediatric Use: ADDERALL XR® is indicated for use in children 6 years of age and older.

Use in Children Under Six Years of Age: Effects of ADDERALL XR® in 3-5 year olds have not been studied. Long-term effects of amphetamines in children have not been well established. Amphetamines are not recommended for use in children under 3 years of age.

Geriatric Use: ADDERALL XR® has not been studied in the geriatric population.

ADVERSE EVENTS

ADVERSE EVENTS

The premarketing development program for ADDERALL XR® included exposures in a total of 965 participants in clinical trials (635 pediatric patients, 248 adult patients, 82 healthy adult subjects). Of these, 635 patients (ages 6 to 12) were evaluated in two controlled clinical studies, one open-label clinical study, and two single-dose clinical pharmacology studies (N=40). Safety data on all patients are included in the discussion that follows. Adverse

reactions were assessed by collecting adverse events, results of physical examinations, vital signs, weights, laboratory analyses, and ECGs.

laboratory analyses, and Ecoss. Adverse events during exposure were obtained primarily by general inquiry and 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 events into a smaller number of standardized event categories. In the tables and listings that follow, COSTART terminology has been used to classify reported adverse events.

The stated frequencies of adverse events represent the proportion of individuals who experienced, at least once, a

The stated frequencies of adverse events represent the proportion of individuals who experienced, at least once, a treatment-emergent adverse event of the type listed.

Adverse events associated with discontinuation of treatment: In two placebo-controlled studies of up to 5 week duration among children with ADHD, 2.4% (10/425) of ADDERALL XR® treated patients discontinued due to adverse events (including 3 patients with loss of appetite, one of whom also reported insomnia) compared to 2.7% (7/259) receiving placebo. The most frequent adverse events associated with discontinuation of ADDERALL XR® in controlled and uncontrolled, multiple-dose clinical trials of pediatric patients (N=595) are presented below. Over half of these patients were exposed to ADDERALL XR® for 12 months or more.

Adverse event Anorexia (loss of appetite) % of pediatric patients discontinuing (n=595) Insomnia Weight loss Emotional lability 1.0 Depression

In one placebo-controlled 4-week study among adults with ADHD, patients who discontinued treatment due to adverse events among ADDERALL XR®-treated patients (N=191) were 3.1% (n=6) for nervousness including anxiety and irritability, 2.6% (n=5) for insomnia, 1% (n=2) each for half anxiety and somnolence; and, 0.5% (n=1) each for ALT increase, agitation, chest pain, cocaine craving, elevated blood pressure, and weight loss.

Adverse events occurring in a controlled trial: Adverse events reported in a 3-week clinical trial of pediatric patients and a 4-week clinical trial in adults treated with ADDERALL XR® or placebo are

clinical trial of pediatric patients and a 4-week crimical trial in adults treated with aDUCINICA. An - or process are presented in the tables below.

The prescriber should be aware that these figures cannot be used to predict the incidence of adverse events 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 investigations. The cited figures, however, do provide the prescribing physician with some basis for estimating the relative contribution of drug and non-drug factors to the adverse event incidence rate in the population studied.

Table 1 Adverse Events Reported by More Than 1% of Pediatric Patients Receiving ADDERALL XR® with Higher Incidence Than on Placebo in a 584 Patient Clinical Study

| Body System | Preferred Term | ADDERALL XR® (n=374) | Placebo (n=210) |
|-----------------------|------------------------------|----------------------|-----------------|
| General | Abdominal Pain (stomachache) | 14% | 10% |
| | Accidental Injury | 3% | 2% |
| | Asthenia (fatigue) | 2% | 0% |
| | Fever | 5% | 2% |
| | Infection | 4% | 2% |
| | Viral Infection | 2% | 0% |
| Digestive | Loss of Appetite | 22% | 2% |
| System | Diarrhea | 2% | 1% |
| | Dyspepsia | 2% | 1% |
| | Nausea | 5% | 3% |
| | Vomiting | 7% | 4% |
| Nervous System | Dizziness | 2% | 0% |
| | Emotional Liability | 9% | 2% |
| | Insomnia | 17% | 2% |
| | Nervousness | 6% | 2% |
| Metabolic/Nutritional | Weight Loss | 4% | 0% |

Table 2 Adverse Events Reported by 5% or More of Adults Receiving ADDERALL XR® with Higher Incidence

| Body System | Preferred Term | ADDERALL XR® (n=191) | Placebo (n=64) |
|-----------------------|---|------------------------|-----------------------|
| General | Asthenia Headache | 6% 26% | 5% 13% |
| Digestive System | Loss of Appetite Diarrhea Dry Mouth Nausea | 33% 6% 35% 8% | 3% 0% 5% 3% |
| Nervous System | Agitation Anxiety Dizziness Insomnia | 8% 8% 7% 27% | 5% 5% 0% 13% |
| Cardiovascular System | Tachycardia | 6% | 3% |
| Metabolic/Nutritional | Weight Loss | 11% | 0% |
| Urogenital System | Urinary Tract Infection | 5% | 0% |

Note: The following events did not meet the criterion for inclusion in Table 2 but were reported by 2% to 4% of adult patients receiving ADDERALL XR® with a higher incidence than patients receiving placebo in this study: infection, photosensitivity reaction, constipation, tooth disorder, emotional lability, libido decreased, somnolence, speech disorder, palpitation, withching, dyspenas, sweating, dysmenorrhea, and impotence.

*included doses up to 60 mg.

The following adverse reactions have been associated with amphetamine use: Cardiovascular: Palpitations, tachycardia, elevation of blood pressure, sudden death, myocardial infarction. There have been isolated reports of cardiomyopathy associated with chronic amphetamine use. Central Nervous System: Psychotic episodes at recommended doses, overstimulation, restlessness, dizziness, insomnia, euphoria, dyskinesia, dysphoria, dyskinesia, dysphoria, tremor, headache, exacerbation of motor and phonic tics and Tourette's syndrome, seizures, stroke. Gastrointestinal: Dryness of the mouth, unpleasant taste, diarrhea, constipation, other gastrointestinal disturbances. Anorexia and weight loss may occur as undesirable effects. Allergic: Urticaria. Endocrine: Impotence, changes in libido.

DRUG ABUSE AND DEPENDENCE
ADDERALL XR® is a Schedule II controlled substance.

ADDENALL XM® is a Schedule if controlled substance.

Amphetamines have been extensively abused. Tolerance, extreme psychological dependence, and severe social disability have occurred. There are reports of patients who have increased the dosage to many times that recommended. Abrupt cessation following prolonged high dosage administration results in extreme fatigue and mental depression; changes are also noted on the sleep EEG. Manifestations of chronic intoxication with amphetamines may include severe dermatoses, marked insomnia, irritability, hyperactivity, and personality changes. The most everer manifestation of chronic intoxication is psychosis, often clinically indistinguishable from schizophrenia.

OVERDOSAGE

OVERDOSAGE
Individual patient response to amphetamines varies widely. Toxic symptoms may occur idiosyncratically at low doses. Symptoms: Manifestations of acute overdosage with amphetamines include restlessness, tremor, hyperfensia, rapid respiration, confusion, assaultiveness, hallucinations, panic states, hyperprexia and rhabdomyolysis. Fatique and depression usually follow the central nervous system stimulation. Cardiovascular effects include arrhythmias, hypertension or hypotension and circulatory collapse. Bastrointestinal symptoms include nausea, vomiting, diarrhea, and abdominal cramps. Fatal poisoning is usually preceded by convulsions and coma.

vonting, cuarriea, and adodninal crains. Fata poisoning is usually preceded by convisions and cornal. Treatment: Consult with a Certified Poison Control Center for up to date guidance and advice. Management of acute amphetamine intoxication is largely symptomatic and includes gastric lavage, administration of activated charcoa, administration of a cathartic and sedation. Experience with hemodialysis or peritoneal dialysis is inadequate to permit recommendation in this regard. Acidification of the urine increases amphetamine excretion, but is believed to increase risk of acute renal failure if myoglobinuria is present. If acute severe hypertension complicates ampheta-mine overdosage, administration of intravenous phentolamine has been suggested. However, a gradual drop in blood pressure will usually result when sufficient sedation has been achieved. Chlorpromazine antagonizes the central structured refrects of emphetamines and one busends to text amphetamine intervisition. stimulant effects of amphetamines and can be used to treat amphetamine intoxication.

The prolonged release of mixed amphetamine salts from ADDERALL XR® should be considered when treating patients with overdose.

patients with overclose.

Dispense in a tight, light-resistant container as defined in the USP. Store at 25° C (77° F). Excursions permitted to 15-30° C (59-86° F) [see USP Controlled Room Temperature].

Manufactured for: Shire US Inc., Newport, KY 41071 Made in USA For more information call 1-800-828-2088, or visit www.adderalkx.com. ADDERALL® and ADDERALL XR® are registered in the US Patent and Trademark Office.

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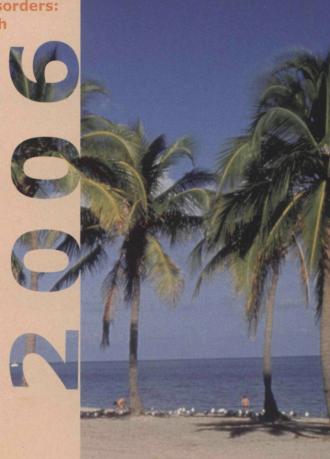
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EDITORIAL MISSION

CNS Spectrums' editorial mission is to address relevant neuropsychiatric topics, including the prevalence of comorbid diseases among patients, and original research and reports that emphasize the profound diagnostic and physiologic connections made within the neurologic and psychiatric fields. The journal's goal is to serve as a resource to psychiatrists and neurologists seeking to understand and treat disturbances of cognition, emotion, and behavior as a direct consequence of central nervous system disease, illness, or trauma.



Break the cycle of unresolved depression with EFFEXOR XR1,2

IMPORTANT TREATMENT CONSIDERATIONS

Suicidality in Children and Adolescents

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. Anyone considering the use of EFFEXOR XR 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 XR is not approved for use in pediatric patients.

EFFEXOR XR is contraindicated in patients taking monoamine oxidase inhibitors (MAOIs). Adult and pediatric patients taking antidepressants can experience worsening of their depression and/or the emergence of suicidality. **Patients should be observed closely for clinical worsening and suicidality, especially at the beginning of drug therapy, or at the time of increases or decreases in dose. Anxiety, agitation, panic attacks,**

insomnia, irritability, hostility, impulsivity, akathisia, hypomania, and mania have been reported and may represent precursors to emerging suicidality. Stopping or modifying therapy should be considered especially when symptoms are severe, abrupt in onset, or not part of presenting symptoms. Treatment with venlafaxine is associated with sustained increases in blood pressure (BP) in some patients. Pre-existing hypertension should be controlled. Regular BP monitoring is recommended. Abrupt discontinuation or dose reduction has been associated with discontinuation symptoms. Patients should be counseled on possible discontinuation symptoms and monitored while discontinuing the drug; the dose should be tapered gradually.

Please see brief summary of Prescribing Information on adjacent pages.

VENLAFAXINE HCI EFFEXOR XR® EXTENDED RELEASE CAPSULES

The change they deserve.

Please see brief summary of Prescribing Information on adjacent pages.



BRIEF SUMMARY. See package insert for full prescribing information.

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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. Anyone considering the use of EFFEXDR XR or any other antidepressant in a child or adolescent must belance 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 XR 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 antidepressant 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 4,400 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.

platieits) have revealed a greater inst or adverse vents representing statical minimity to delavior (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.

CONTRAINDICATIONS: Hypersensitivity to ventafaxine hydrochloride or to any excipients in the formulation. Concomitant use in patients taking monoamine oxidase inhibitors (MAOIs). WhARNINGS: 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 suicidial deation and behavior (suicidially) 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 antidepressants 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 the risk of suicidal thinking and behavior (suicidality) in certain patients. Antidepressants increased the risk of suicidal thinking and behavior (suicidality) in the risk of suicidal thinking and behavior (suicidality) in the risk of suicidal thinking and behavior (suicidality) in the risk of suicidality risk in 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 ew months of a course of drug therapy, or at times of dose changes, either increases or decreases. Anxiety, adjutation, paric attacks, insomnia, irritability, hostility, aggressiveness, impulsivity, adstability grey behavior, and the patients being treated with antidepressants for MDD and other indications, both psychiatric and nonpsychiatric. Although a causal link betwe symptoms, the frequency of which increased with increased dose level and longer duration of treatment. Symptoms include agitation, anorexia, anxiety, confusion, coordination impaired, diarrhea, dizziness, dry mouth, dysphoric mood, emotional lability, fasciculation, fatigue, headaches, hypomania, insomnia, irritability, ethargy, nausea, nervousness, nightmares, seizures, sensory disturbances (e.g., paresthesias such selectric shock sensations), somnolence, sweating, tinnitus, tremor, vertigo, and vomiting. Monitor patients when discontinuing treatment. A gradual reduction in the dose rather than abrupt cessation is recommended. Introlerable symptoms occur following a decrease in the dose or upon discontinuation of treatment, consider resuming the previously prescribed dose. Subsequently, continue decreasing the dose at a more gradual rate. Insomnia and Nervousness. Treatment—emergent insomnia and nervousness have been reported. In Phase 3 trials, insomnia led to drug discontinuation in 0.9% of depressed patients and in 3% of both Generalized Anxiety Disorder (GAD) and Social Anxiety Disorder (SAD) patients. Nervousness led to drug discontinuation in 0.9% of depressed patients. In 2% of GAD patients, and in 0% of SAD patients. Changes in Weight. Adult Patients: In short-term MDD trials, 7% of Effexor XR patients had 25% loss of body weight, and 0.3% discontinued for weight loss. In 6-month GAD studies, 3% of Effexor XR patients had 27% loss of body weight, and 0.3% discontinued for weight loss in 8-week studies. In 12-week SAD trials, 3% of Effexor XR patients had 25% loss of body weight, and 0.3% discontinued for weight loss and weight loss agents is not recommended. Effexor XR is not indicated for weight loss and weight loss agents is not recommended. Effexor XR is not indicated for weight loss alone or in combination with other products. Pediatric Patients: Weight loss was seen in patients aged 6-17 receiving Effexor XR. More Effexor XR patients than placebo patients experienced weight loss patients in seven

Hyponatremia and/or the syndrome of inappropriate antidiuretic hormone secretion (SIADH) may occur with ventafaxine. Consider this in patients who are volume-depleted, elderly, or taking diuretics. **Mydriasis:** Mydriasis has been reported; monitor patients with raised intraocular pressure or at risk of acute narrow-angle diaucoma). Selzures: In all premarketing depression trials with Effext, selzures were reported in 0.3% of ventafaxine patients. Use cautiously in patients with a history of selzures. Discontinue in any patient who develops selzures. Abnormal Bleeding, Abnormal bleeding (most commonly controlled) has been reported. Serum Cholesterol Elevation: Clinically relevant increases in serum cholesterol were seen in 5.3% of ventaged and the controlled of the controlled of the controlled. into Seen reported. Serum Cholesterol Elevation. Clinically relevant increases in serum cholesterol were serior in 5.3% of venifarxine patients and 0.0% of placebo patients treated for at least 3 months in trials. Consider measurement of serum cholesterol levels during long-term treatment. Use in Patients With Concomitant Illness: Use Effexor XR cautiously in patients with diseases or conditions that could affect hemodynamic responses or metabolism. Venifarxine has not been evaluated in patients with recent history of MI or unstable heart disease. Increases in QT interval (QTc) have been reported in clinical studies. Exercise caution in patients illness: Use Effort XT catulous) in patients with desease or conditions that could affect homodynamic responses or metabolism. Venlafavine has not been evaluated in patients with recent history of MI or unstable heart disease increases in OT interval (OT) to have been reported in clinical studies. Excrise cation in patients whose underlying medical conditions might be compromised by increases in heart rate. In patients with recent history of MI or unstable heart disease in circinasis of the liver, the clearances of venlafavine and its active metabolities were decreased, prolonging the elimination half-lives. A lower dose may be necessary, use with caution in such 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 Effevor XR and should coursed them in its appropriate use. A patient Medication Guide About Using Antidepressants in Children and Teenagers is available for Effevor XR. The prescriber or health professional should instruct patients, their families, and their caregivers to read the Medication Guide and should assist hem 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 and to obtain answers to any questions they may have. The complete text of the Medication Guide and to obtain answers to any questions they may have. The complete text of the Medication Guide and to obtain answers to any questions they may have. The complete text of the Medication Guide is available at www.effevor.com or in the approved prescribing information. Patients should be advised of the following issues and asked to alert item prescriber if these occur with leaking Effevor XR. Clinical Worsening and Suicide Risk. especially hose see merity during amidoper should be advised to the mergence of such symptoms on a deyl-d-Guy ba Carcinógenesis, Mutagenesis, Impalment of Fertility—Carcinogenesis: There was no increase in tumors in mice and rats given up to 1.7 times the maximum recommended human dose (MRHD) on a mg/m² basis.
Mutagenesis: Venlafaxine and ODV were not mutagenic in the Ames reverse mutation assay in Salmonella bacteria or the CHU/HGPRT mammalian cell forward gene mutation assay, Venlafaxine was not clastogenic in several assays. ODV elicited a clastogenic response in the in vivo chromosomal aberration assay in rat bone marrow. Impalment of Fertility: No effects on reproduction or fertility in rats were noted at oral doses of up to 2. times the MRHD on a mg/m² basis. Pregnancy—Teratogenic Effects—Pregnancy Category C. Reproduction studies in rats given 2.5 times, and rabbits given 4 times the MRHD (mg/m² basis) revealed no matiformations in offspring. However, in rats given 2.5 times the MRHD, there was a decrease in pup weight, an increase in stillborm pups, and an increase in pup deaths during the first 5 days of factation when dosing began during pregnancy and continued until weaning. There are no adequate and well-controlled studies in pregnant women; use Effexor XR during pregnancy only if clearly needed. Nonteratogenic Effects—Rowards of the pregnancy only if clearly needed. Nonteratogenic Effects Neonates exposed to Effexor XR take in the third trimester have developed complications requiring prolonged hospitalization, respiratory distress, cyanosis, apnea, seizures, temperature instability, feeding difficulty, vomiting, hypoglycemia, hypotonia, hypertonia, hyperrofiexia, tremor, litteriness, irritability, and constant crying. This is consistent with a direct toxic effect of SNRIs or a drug discontinuation syndrome. In some cases, it is consistent with a critect toxic effect of SNRIs or a drug discontinuation syndrome. In some cases, it is consistent with serotonin syndrome. When treating a pregnant woman with Effexor XR during the third trimester. Labor, Delivery, Nursing—The effect on labor and delivery in humans hypertonia, paresthesia, libido decreased, agitation, anxiety, twitching. Respiratory System: pharyngitis, yawn, sinusitis. Skin: sweating. Special Senses: abnormal vision. Urogenital System: abnormal ejaculation, impotence, orgasmic dysfunction (including anorgasmia) in females. Vital Sign Changes: Effexor XR was associated with a mean increase in pulse rate of about 2 beats/min in depression and GAD trials and a mean increase in pulse rate of 4 beats/min in SAD trials. (See WARNINGS. Sustained Hypertension). Laboratory Changes: Cinically relevant increases in serum cholesterol were noted in Effexor XR clinical trials. Increases were duration dependent over the study period and tended to be greater with higher doses. Other Events Observed During the Premarketing Evaluation of Effexor and Effexor XR —N=5079. "Frequent"—events occurring in at least 1/100 patients; "infrequent"=1/100 to 1/1000 patients, "rare"=fewer than 1/1000 patients. Body as a whole - Frequent: chest pain substernal, chilis, fever, neck pain, Infrequent face edema, intentional injury, malaise, moniliasis, neck ngidity, pelvic pain, photosensitivity reaction, suicide attempt, withdrawal syndrome, Rare: appendicitis, bacteremia, carcinoma, cellulitis. Cardiovascular system - Frequent migraine, postural hypotension, tackycardia; Infrequent: angina pectoris, arrhythmia. extrasystoles, hypotension, peripheral vascular disorder (mainly cold feet and/or cold hands), syncope, thrombophliebitis; Pare: aortic aneurysm, arteritis, first-degree atrioventricular block, lipseminy, bradycardia, bundle branch block, capillary fragility, cerebral ischemia, coronary artery disease, congestive heart failure, heart arrest, cardiovascular disorder (mitral valve and circulatory disturbance) mucocutaneous hemorrhage, morrorage, enhanced properties, periodontitis, proteinstinal ulcer, gingivitis, glossitis, rectal hemorrhage, enhanced properties, passed properties, properties, passed properties, passed properties, passed properties, passed properties, passed propert lichenoid dermatitis, hair discoloration, skin discoloration, furunculosis, hirsuitism, leukoderma, petechial rash, pustular rash, vesiculobullous rash, seborrhea, skin atrophy, skin striae. Special senses - Frequent: abnormality of accommodation, mydriasis, taste perversion; Infrequent: cataract, conjunctivitis, comeal lesion, diplopia, dry eyes, eye pain, hyperacusis, othis media, paromia, photophobia, taste loss, visual field defect. Agre: blepharitis, chromatopsia, conjunctival edema, dearness, exophibalmos, glaucoma, retinal hemorrhage, keratitis, labyrinthitis, miosis, papilledema, decreased pupillary reflex, otitis, externa, sclentis, uveitis. Urogenital system - Frequent: metorrhaqia, prostatic disorder (prostatitis and enlarged prostate), urination impaired, vaginitis; Infrequent: albuminuria, amenorrhae, cystitis, dysurin, hematuria, leukorrhea, menorrhagia, etcutia, bladder pain, breast pain, polyuria, pyuria, urinary incontinence, urinary retention, urinary urgency, vaginal hemorrhage; Rare: abortion, anuria, breast discharge, breast engorgement, balanitis, breast enlargement, endometriosis, female lacation, fibrocystic breast, calcinur, cariotis, orthis, ovarian cyst, prolonged erection, gynecomastia (male), hypomenorrhea, kidney calculus, kidney pain, kidney function abnormal, mastitis, menopause, pyelonephritis, oliguria, salionisti, urolithiasis, uterine hemorrhage, uterine spasm, vaginal dryness. Postmarketing Reports: agranulocytosis, anaphylaxis, aplastic anemia, catatonia, congenital anomalies, CPK increased, deep vein thrombophilebitis, celirium. Ek Ga abnormalities such as OT prolongation; cardiac arrhythmias including a torsi including activation and carrythmia including disconsi and variativativa and trachycardia, ventricular extrasystoles, and rare reports of ventricular fibrillation and ventricular tachycardia, including eya and gastrointestinal bleeding), hepatic events (including GGT elevation, abnormalities of unspecified liver function lests; liver damage, necrosis, or failure; and

Take a closer look at

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is a unique patient support and education program that is designed to help you foster successful therapy

Digloques

offers patients access to a call center to speak with a health care provider for patient support and education to reinforce your efforts

Digloques

supplies feedback and updates about these patient calls to you, their physician

Encourage your **EFFEXOR XR** patients to enroll in *Dialogues* by calling 866-313-3737 — and you can visit mddpatientsupport.com

The most common adverse events reported in EFFEXOR XR short-term placebo-controlled depression, generalized anxiety disorder (GAD), and/or social anxiety disorder trials (incidence ≥10% and ≥2x that of placebo) were anorexia, asthenia, constipation, dizziness, dry mouth, ejaculation problems, impotence, insomnia, nausea, nervousness, somnolence, and sweating.



The change they deserve.

References: 1. Data on file, Wyeth Pharmaceuticals Inc. 2. Effexor XR® (venlafaxine HCI) Extended-Release and Effexor Immediate-Release Prescribing Information, Wyeth Pharmaceuticals Inc.

Please see brief summary of Prescribing Information on adjacent pages.

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CLINICAL INFORMATION MONOGRAPH

Metabolic and Endocrine Disturbances in Psychiatric Disorders: A Multidisciplinary Approach to Appropriate Atypical Antipsychotic Utilization

Moderator: Prakash S. Masand, MD Discussants: Larry Culpepper, MD, MPH, David Henderson, MD, Scott Lee, MD, Kimberly Littrell, MS, ARNP, BC, John W. Newcomer, MD, and Natalie Rasgon, MD, PhD

SYMPOSIUM MONOGRAPH SUPPLEMENT

Integrating Neurobiology and Psychopathology into Evidence-Based Treatment of Social Anxiety Disorder

Moderator: Michael R. Liebowitz, MD

Discussants: Philip T. Ninan, MD, Franklin R. Schneier,

MD, and Carlos Blanco, MD, PhD

CME OUIZ

840 The quiz is CME-accredited by Mount Sinai School of Medicine for 3.0 credit hours.

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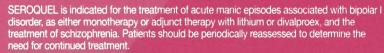


Now the most prescribed atypical*

Proven efficacy To help patients achieve continued success¹¹⁻⁴

Trusted tolerability

To help patients stay on treatment15



Elderly patients with dementia-related psychosis treated with atypical antipsychotic drugs are at an increased risk (1.6 to 1.7 times) of death compared to placebo (4.5% vs 2.6%, respectively). SEROQUEL is not approved for the treatment of patients with dementia-related psychosis.

Prescribing should be consistent with the need to minimize the risk of tardive dyskinesia. A rare condition referred to as neuroleptic malignant syndrome has been reported with this class of medications, including SEROQUEL

Hyperglycemia, in some cases extreme and associated with ketoacidosis, hyperosmolar coma, or death, has been reported in patients treated with atypical antipsychotics, including SEROQUEL. Patients starting treatment with atypical antipsychotics who have or are at risk for diabetes should undergo fasting blood glucose testing at the beginning of and during treatment. Patients who develop symptoms of hyperglycemia should also undergo fasting blood glucose testing.

Precautions include the risk of seizures, orthostatic hypotension, and cataract development. The most commonly observed adverse events associated with the use of SEROQUEL in clinical trials were somnolence, dry mouth, dizziness, constipation, asthenia, abdominal pain, postural hypotension, pharyngitis, SGPT increase, dyspepsia, and weight gain.

All atypical prescriptions: Total prescriptions. Jan. 05-June 05. New prescriptions. Sept. 04-June 05. IMS Health. National Prescription Audit.

Significant improvement in all 11 YMRS items was measured at Day 21 and continued through Day 84 in monotherapy mania trials.

Please see Brief Summary of Prescribing Information on adjacent page.



Redefine Success

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AstraZeneca

References: 1. Vieta E, Mullen J, Brecher M, et al. Quetiapine monotherapy for mania associated with bipolar disorder: combined analysis of two international, double-blind, randomised, placebo-controlled studies. Curr Med Res Opin. 2005;21:323-934. 2. Sachs G, Chengappa KNR, Suppes T, et al. Quetiapine with lithium or divalproex for the treatment of bipolar mania: a randomized, double-blind, placebo-controlled study. Bipolar Disord. 2004;6:213-223. 3. Small JG, Kolar MC, Kellams JJ. Quetiapine in schizophrenia: onset of action within the first week of treatment. Curr Med Res Opin. 2004;20:1017-1023. 4. Kasper S, Brecher M, Fitton L, et al. Maintenance of long-term efficacy and safety of quetiapine in the open-label treatment of schizophrenia. Int Clin Psychopharmacol. 2004;19:281-289. 5. SEROQUEL Prescribing Information.

BRIEF SUMMARY of Prescribing Information—Before prescribing, please consult complete

increased Mortality in Elderly Patients with Dementia-Related Psychosis: Elderly patients with Increased Morfality in Elearly Patients with Dementia-Related Psychosis: Elearly patients with immential-related psychosis treadle with shylical adaptscholic frouga are at an increased risk of death compared to placebo. Analyses of seventeen placebo-controlled trials (model duration of 10 weeks) in these patients revealed a risk of death in the drug-treated patients of seven 1.6 to 1.7 times that seen in placebo-treated patients. Over the course of a hypical 10 week controlled visit, the rate of death in drug-treated patients was about 4.5%, compared to a rate of about 2.6% in the placebo group. Although the causes of death were varied, most of the death appeared to be either cardiversecular (e), heart failure, sudden death) or infections (eg. pneumonia) in nature. SEROUBEL (quelispine) is not approved for the treatment of patients with Dementia-Related Psychosia.

Related Psychosis.

INDICATIONS AND USAGE: Bloolar Mania: SEROUUEL is indicated for the treatment of auther manic episodes associated with blookar indisorder, as either monotherapy or adjunct therapy to lithium or disciproce. The efficacy or SEROULEL in acute blookar mana was established in two 12-week monotherapy trails and one 3-week adjunct therapy trails and one 1-week adjunct therapy trails and one 1-week and the state of the

MARNINGS. Developed with freight plasma with Demandia-Related Psychosis. Elethy aplietts with demandia-valued psychosis threads with demandia-valued psychosis in the Ordinary of the Psychosis (Lethy) applicated with demandia-valued psychosis (Lethy) applicated with a psychosis (Lethy) applicated with a psychosis (Lethy) applicated and psychosis (Lethy) applicated with a psychosis (Lethy) applicated and psychosis (Lethy) applicated (Lethy) applicate

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