CNS SPECTRUMS®

The International Journal of Neuropsychiatric Medicine

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R.G. Bota, K. Sagduyu, and J.S. Munro

The Role of Estrogen Therapy in Postpartum Psychiatric Disorders: An Update

S. Gentile

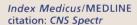
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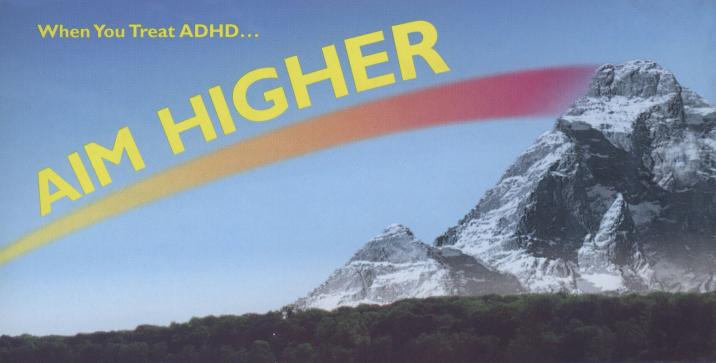
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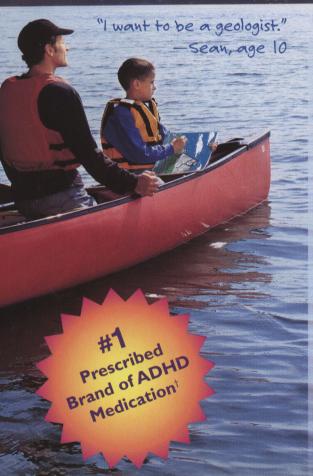
CLINICAL COLUMN

Pearls in Clinical Neuroscience: Generalized Anxiety Disorder: Rethinking Diagnosis and Rating D.J. Stein









ADDERALL XR® Delivers Efficacy That May Help Patients Realize Their Potential

- Symptom reduction to a level comparable to that of non-ADHD peers¹
- Rapid onset (1.5 hours) and 12-hour dose-responsive efficacy^{*}
 for day-long improvement in both academic and social settings^{*2-5}
- · 6 dosage strengths for maximum flexibility
- Generally well tolerated—low discontinuation rates due to adverse events in placebo-controlled trials²⁻⁴

*Average mean for all doses tested. *IMS Dataview, May 2005.

Please see references and brief summary of prescribing information on adjacent page.

www.ADDERALLXR.com www.ADHDSupport.com

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Shire US Inc. your ADHD support company 1-800-828-2088

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Reach new heights

Important Safety Information

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.

References: 1. Ambrosini PJ, Lopez FA, Chandler MC, et al. An open-label community assessment of ADDERALL XR in pediatric ADHD. Poster presented at: 155th Annual Meeting of the American Psychiatric Association; May 22, 2002; Philadelphia, Pa. 2. Data on file, Shire US Inc., 2005. 3. Biederman J, Lopez FA, Boeliner SW, Chandler MC. A randomized, double-blind, placebo-controlled, parallel-group study of SU381 (Adderall XR) in children with attention-deficit/hyperactivity disorder, Pediatrics. 2002;110:258-266. 4. McCracken JT, Biederman J, Greenhill LL, et al. Analog classroom assessment of a once-daily mixed amphetamine formulation, SU381 (ADDERALL XR), in children with ADHD. J Am Acad Child Adolesc Pacinitry, 2003;46:2673-683. 5. Lopez FA, Ambrosini PJ, Chandler MC, et al. ADDERALL XR in pediatric ADHD: quality of life measures from an open-label community assessment trial. Poster presented at: 14th Annual CHADD International Conference; October 17, 2002; Miami Beach, Fla.

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Dextroamphetamine Sulfate Dextroamphetamine Saccharate
Amphetamine Aspartate Monohydrate Amphetamine Sulfate

 $oldsymbol{\mathsf{J}} \mathbf{X} \mathbf{R}^* oldsymbol{\mathbb{U}}$

BRIEF SUMMARY: Consult the full prescribing information for complete product information.

ADDERALL XR® CAPSULES

CII Rx Only

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

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 a formulation of this substance.

CONTRAINDICATIONS

CONTRAINDICATIONS

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).

(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 chronic use of stimulants in children, including amphetamine, may be causally associated with suppression of growth. 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 Pra-existing Structural Cardiac Abnormalities: Sudden death has been reported in association with amphetamine treatment at usual doses in children with structural cardiac abnormalities. Adderall XPg 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

General: The least amount of ampheramine reasible 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 XR® especially patients with hypertension.

Ties: Amphetamines have been reported to exacerbate motor and phonic tics and Tourette's syndrome. Therefore,

Hyperfension: Caution is to be excrised in prescribing amphetamines for patients with even mid hyperfension taking ADDEFALL XPP: especially patients with hyperfension.

These Amphetamines have been reported to exceptate motor and phonic tics and Tourette's syndrome. Therefore, cinical and applications are controlled to the patient of the patients and their stamples should precede use of stimulant information for Patients. Amphetamines may impair the ability of the patient the engage in potentially hazardous activities such as operating machinery or vehicles; the patient should therefore be cautioned accordingly.

Drug Interactions: Acciding agains—Gastrointestinal aciditying apents (quantithidin; reseptine, glutamic acid HCI, ascortic acid. etc.) lower absorption of amphetamines. Umary aciditying apents—These agents (armonimations) and acid the patients of the concentration of the inomatic species of the amphetamines unation of ADDEFALL XPR* and gastrointestinal akidinizing agents—amines. Addrenargic blockers—Adventurgs, blockers are inhalted by amphetamines. Addrenargic blockers—Adventurgs and the acid patients and acid patients and acid patients and acid patients. Addrenargic blockers—adventured and pasition and acid patients are acid patients. Adventured and pasition acid patients are acid patients and acid patients and acid patients. Adventured and passibly of the patients and acid patients are acid patients. Adventured and passibly of the triputions cause striking and sustained sucreases in the concentration of disampetamines in the train; cardiovascular detects can depend and passibly of the triputions causes striking and sustained sucreases in the concentration of disampetamines in the train; and acid patients and the patients and the patients and the patients. Advantage and the patients and

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 studies (of 10 exposure) and the other controlled clinical studies, one open-label clinical studies.

DD International Conference; October 17, 2002. Miami Beach, Fla. reactions were assessed by collecting adverse events, results of physical examinations, vital signs, weights, laboratory analyses, and ECGs. 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 weeks duration among children with ADHD, 2.4% (10/425) of ADDERALL XR® treated patients discontinued due adverse events (including 3 patients with loss of appetite, one of whom also reported insommia) 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	% of pediatric patients discontinuing (n=595)
Anorexia (loss of appetite)	2.9
Insomnia	1.5
Weight loss	1.2
Emotional lability	1.0
Depression	0.7

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 headache, palpitation, 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 in adults treated with ADDERALL XR® or placebo are presented in the tables below

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 investigators. 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® witl 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) Accidental Injury Asthenia (tatigue) Fever Intection Viral Infection	14% 3% 2% 5% 4% 2%	10% 2% 0% 2% 2% 2%	
Digestive System	Loss of Appetite Diarrhea Dyspepsia Nausea Vomiting	22% 2% 2% 5% 7%	2% 1% 1% 3% 4%	
Nervous System	Dizziness Emotional Lability Insomnia Nervousness	2% 9% 17% 6%	0% 2% 2% 2%	
Metabolic/Nutritional	Weight Loss	4%	0%	

Table 2 Adverse Events Reported by 5% or More of Adults Receiving ADDERALL XR® with Higher Incidence Than on Placebo in a 255 Patient Clinical Forced Weekly-Dose Titration Study* ADDERALL XR® (n=191) Placebo (n=64) **Body System** Preferred Term General Asthenia 6% 26% 5% 13% Headache Loss of Appetite Diarrhea Dry Mouth 33% 6% 35% 8% Digestive System 3% 0% 5% 3% Nausea 5% 5% 0% 13% Nervous System Agitation 8% 8% 7% Anxiety Dizziness Insomnia 27% 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, constitution, took lidisorder, emotional lability, libido decreased, somnolence, speech disorder, palpitation, twitching, dyspnea, sweating, dysmenorrhea, and impotence. *included doses up to 60 mg.

"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, insormnia, euphoria, dyskinesia, dysphoria, depression, tremor, headache, exacerbation of motor and phonic tios and Tourette's syndrome, seizures, stroke. Gastrointestinai: Dryness of the mouth, unpleasant taste, diarrhea, constipation, other gastrointestinai disturbances. Anorexia and weight loss may occur as undesirable effects. Allergic: Urticaria. Endocrine: Impotence, changes in libido.

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.

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 latigue 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 severe 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, hyper-reflexia, rapid respiration, confusion, assaultiveness, hallucinations, panic states, hyperpyrexia and rhabdomyoj-sis. Fatigue and depression usually follow the central nervous system stimulation. Cardiovascular effects include arrhythmias, hypertension or hypotension and circulatory collapse. Gastrointestinal symptoms include nausea, vomiting, diarrhea, and abdominal cramps. Fatal poisoning is usually preceded by convulsions and coma.

vomiting, diarrhea, and abdominal cramps. Fatal poisoning is usually preceded by convulsions and coma. 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 charcoal, 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 amphetamine 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 stimulant effects of amphetamines and can be used to treat amphetamine intoxication.

The prolonged release of mixed amphetamine satts from ADDERALL XR® should be considered when treating patients with overdose. 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., Wayne, PA 19087 Made in USA For more information call 1-800-828-2088, or visit www.adderaltx.com. ADDERALL XR® are registered in the US Patent and Trademark Office. Copyright ©2004 Shire US Inc.

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CASE REPORT

980 Magnetic Resonance Imaging Changes in a Patient with Migraine Attack and Transient Global Amnesia After Cardiac Catheterization

Andres Fernandez, MD, Columbia University; Fred Rincon, MD, Columbia University; Sean P. Mazer, MD, Columbia University; and Mitchell S.V. Elkind, MD, MS, Columbia University

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.

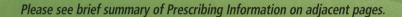
EFFEXOR XR is contraindicated in patients taking monoamine oxidase inhibitors (MAOIs). Adult and pediatric patients taking antidepressants can experience worsening of their depression and/or the emergence of suicidality. Patients should be observed closely for clinical worsening and suicidality, especially 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.

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BRIEF SUMMARY. See package insert for full prescribing information.

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. (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 4,40 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.

CONTRAINDICATIONS: Hypersensitivity to venlafaxine hydrochloride or to any excipients in the formulation. Concomitant use in patients taking monoamine oxidase inhibitors (MAOIs), WARNINGS: Clinical Worsening and Sulcide Risk—Patients with major depressive disorder (MDD), both adult and pediatric, may experience worsening of their depression and/or the emergence of sulcidal ideation and behavior (suicidality) or unusual and Suicide Risk — Patients with major depressive disorder (MDD), both adult and pediatric, may expenence 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 antidepressants may have a role in inducting 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 MDD and other psychiatric disorders. 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. Adults with MDD or comorbid 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. Anxiety, agitation, panic attacks, insominia, irritability, hostility, aggressiveness, impulsivity, akathisia (psychomotor restlessness), hypomania, and mania have been reported in adult and pediatric patients being treated with antidepressants for MDD and other indications, both psychiatric and onopsychiatric. Although a causal link between the emergence of suck symptoms and either the worsening of depression and/or the emergence of suicidal impulses has not been established, there is concern that such speristently worse, or who should be written for the smallest quantity of capsules 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 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 symptoms described above represent such a conversion is unknown. Prior to initiating antidepressant treatment, patients with depressive symptoms should be screened to determine if they are at risk for bipolar disorder; such screening should include a detailed psychiatric history, including a family history of suicide, bipolar disorder, and depression. Effexor XR is not approved for use in treating bipolar depression. Potential for Interaction with MAOIs—Adverse reactions, some serious, have been reported in patients who recently discontinued an MAOI and started on venlafaxine, or who recently discontinued venlafaxine prior to initiation of an MAOI. These reactions included tremor, myoclonus, diaphoresis, nausea, vomiting, flushing, dizziness, hyperthermia with features resembling neuroleptic malignant syndrome, seizures, and death. Effexor XR should not be used in combination with an MAOI or within at least 14 days of discontinuing treatment with an MAOI. At least 7 days should be allowed after stopping venlafaxine before starting an MAOI. Sustained hypertension—Venlafaxine is associated with sustained increases in blood pressure (BP) in some patients, Pre-existing hypertension should be controlled. Regular monitoring of BP is recommended. For patients experiencing sustained increase in BP condiser either dose reduction or discontinuation. PRECAUTIONS: General—Discontinuation of Treatment with new symptoms (cut for monitoring of BP is recommended. For pati study, children and adolescents had height increases less than expected based on data from age—and sexmatched peers. The difference between observed and expected growth rates was larger for children <12 years old. Changes in Appetite. Adult Patients. Treatment-emergent anorexia was more commonly reported for Effexor XR (8%) than placebo (4%) patients in MDD studies. The discontinuation rate for anorexia was 1.0% in MDD studies. Treatment-emergent anorexia was more commonly reported for Effexor XR (8%) than placebo (2%) patients in GAD studies. The discontinuation rate for anorexia was 0.9% for up to 8 weeks in GAD studies. Treatment-emergent anorexia was more commonly reported for Effexor XR (20%) than placebo (2%) patients in SAD studies. The discontinuation rate for anorexia was 0.4% for up to 12 weeks in SAD studies. Pediatric Patients. Decreased appetite was seen in pediatric patients receiving Effexor XR. In GAD and MDD trials, 10% of Effexor XR patients aged 6-17 for up to 8 weeks and 3% of placebo patients had treatment-emergent anorexia. None of the patients receiving Effexor XR discontinued for anorexia or weight loss. Activation of Mania/Hypomania. Mania or hypomania has occurred during short-term depression studies. Effexor XR should be used cautiously in patients with a history of mania. Hyponatremia:

Hyponatremia and/or the syndrome of inappropriate antidiuretic hormone secretion (SIADH) may occur with venlafaxine. 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. Seziures: In all premarketing depression trials with Efforms-angle glaucoma (angle-closure glaucoma). Seziures: Na la premarketing depression trials with Efforms-angle were reported in 0.3% of venlafaxine patients. Use cautiously in patients with a history of seizures. Discontinue in any patient who develops seizures. **Altonamia Bleeding:** Abnormal bleeding (most commonly ecclymosis) has been reported. **Sezium Cholesterol Elevation:** Clinically relevant increases in serum cholesterol were seen in 5.3% of venlafaxine patients and 0.0% of placebo patients treated for at least 3 months in trials. Consider reseasurement of sezium cholesterol levels during languarent the languarent the languarent the serum cholesterol expressions. veintalenti. Lorssofer that in publishis with as execution-depleted, editory, or taxing durents. Myratases are applications and the professor experience of the professor and the professor experience of the professor experience Pyperforia, paresthesis, libido decreased, agitation, anothy, furticiting, Bespirator, System obstryogilis, yearn, impotence, organnic dystanction (including anorgannia) in fernales. What (Sper Dhaegaer, Effect X3 was associated with a mean increases in pulse rate of doubt of Jeastrymin in fernales. What (Sper Dhaegaer, Effect X3 was associated with a mean increases in pulse rate of 4 beats/min in 630 traits. (See WARNINGS-Sustained Hypertension). Laboratory, Changer Cinician (View Indiana) in 630 traits. (See WARNINGS-Sustained Hypertension). Laboratory, Changer Cinician (View Indiana) in 630 traits. (See WARNINGS-Sustained Hypertension). Laboratory, Changer Cinician (View Indiana) in 630 traits. (See WARNINGS-Sustained Hypertension). Laboratory, Changer Cinician (View Indiana) in 630 traits. (See Marning) in 640 traits. (See Indiana) in 640 tr

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Dialogues

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

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

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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 \geq 10% and \geq 2x that of placebo) were anorexia, asthenia, constipation, dizziness, dry mouth, ejaculation problems, impotence, insomnia, nausea, nervousness, somnolence, and sweating.

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References: 1. Data on file, Wyeth Pharmaceuticals Inc. 2. Effexor XR® (venlafaxine HCl) 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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CME QUIZ

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

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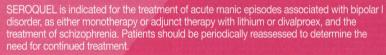


Now the most prescribed atypical*

Proven efficacy To help patients achieve continued success^{†1-4}

Trusted tolerability

To help patients stay on treatment1-



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.



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References: 1. Vieta E, Mullen J, Brecher M, et al. Quetlapine monotherapy for mania associated with bipolar disorder: combined analysis of two international, double-blind, randomised, placebo-controlled studies. Curr Med Res Opin. 2005;21:923-934. 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. https://doi.org/10.1017/S1092852900010452 Published online by Cambridge University Press

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

Increased Mortality in Elderly Patients with Dementia-Related Psychosis: Elderly natients with increased mortality in citerry ratients with Demonta-Helated responses: clienty patients with deamentia-related psychosis treated with atypical antipsychotic drugs are at an increased risk death compared to placebo. Analyses of seventeen placebo-controlled trials (modal duration 10 weeks) in these patients ravealed a risk of death in the drug-treated patients of between no weaxs in mess patients ravealed a risk of death in the drug-treated patients of between 1s on 1,7 times that seen in placebo-treated patients. Over the course of a typical 10 week controller trial, 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 deaths appeared to be either cardiovascular (eg, heart failure, sudden death) or infectious (eg, pneumonia) in nature. SEROUEL (quetiapine) is not approved for the treatment of patients with Dementia Related Psychosis.

INDICATIONS AND USAGE: Ringlar Mania: SEROOLE! is indicated for the treatment of acute manic enisode NINCATIONS AND USAGE: Bioplar Mania: SEROOUEL is indicated for the teatment of aucite manic episodes associated with bioplar idioxede, as effect monotherapy or adjunct heavy to little more of values or the efficiency of SEROOUEL in acute bioplar mania was established in two 12-week monotherapy traits and one 2-week adjunct therapy that of boplar trainers installay hospitated by up to 7 days for acute inman. Effectiveness not been systematically evaluated in clinical traits for more than 12 weeks in monotherapy and sweeks in adjunct herapy. Therefore he physician who elects to use SEROOUEL for extended periods stoud periodically evaluated in clinical stars for the restanted periods stoud periodically seclusted in clinical stars for the restanted of schoolphrenia was established in short-term (6-week) controlled traits for some than 6-weeks and periodically evaluated in controlled traits for sectional periodical stars for the restanted of schoolphrenia was established in short-term (6-week) controlled traits for some than 6-weeks and been systematically evaluated in controlled traits. Therefore, the physician who elects to use SEROOUEL for extended periods should periodically re-evaluate the long-term schollances of the form for the inchested related. ulness of the drug for the individual patient

CONTRAINDICATIONS: SEROQUEL is contraindicated in individuals with a known hypersensitivity to this

use, that is, for more than 6 weeks, has not been systematically evaluated in controlled trails. Therefore, the physician who elects to use SERODUEL for extended periods should periodically re-evaluate the long-term usefulness of the drug for the midwidual patient.

CONTRAINDEATIONS: SEROULE for contraindicated in individuals with a known hypersensitivity to this medication or any of its progression. It is contraindicated in individuals with a known hypersensitivity to this medication or any of its progression. SEROULE for a patient swift demandia-related psychosis trained with applical antipsychotic drugs are at an increased risk of seath companied patients. SEROULEL companies no expensions in seath of the trained and periodical psychosis (see Board Warning). Neurolegic Malignant Syndrome (MMS). A potentially tatal symptom complex sometimes referred to a Seroulegic Malignant Syndrome (MMS). A potentially tatal symptom complex sometimes referred to a Seroulegic Malignant Syndrome (MMS). A potentially tatal symptom complex sometimes referred to a Seroulegic Malignant Syndrome (MMS). As potentially tatal symptom complex sometimes referred to as Not MS are hyperopress, muscle rigidal, aftered mental status, and evidence of autonomic instability (irregular pulse or blood pressure, tarciprating, diaphoresis, and cardiac dys-rythmia). Additional signs may include elevated creating alternative manufacture and autonomic instability (irregular pulse or blood pressure, tarciprating, diaphoresis, and cardiac dys-rythmia). Additional signs may include elevated creating alternative manufacture and autonomic instability (irregular pulse or blood pressure, tarciprating), and the service of the service

including polytipsia, polytina; polytipsigi, and wakness. Palents who develop symptoms of hyperglycernia during treatment with applical antipsychotics should underpol nating blood plucose lesting, in some cases, hyperglycernia has resolved when the shybical antipsychotic was discontinued, however, some patients required conflictation of anti-diselect treatment despited describations of the suspect with profession associated with dizziness, behapdand and in some patients symptome the profession associated with dizziness, behapdand and in some patients progreties. Symptore was reported in 1% (242567) of the patients treated with SERDOUEL. Compared with 17% (1997) on pacible and about 0.4% (25277) on active control drugs. SERDOUEL should be used with particular cardion in patients with however and about 0.4% (25277) on active control drugs. SERDOUEL should be used with particular cardion in patients to incompared with 17% (1997) on pacible and about 0.4% (25277) on active control drugs. SERDOUEL should be used with particular cardion in patients by the patients and the patients an should be cautioned about performing activities requiring mental alertness, such as operating a motor vehicle (including automobiles) or operating hazardous machinery until they are reasonably certain that SEROQUEL

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