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THE INTERNATIONAL JOURNAL OF NEUROPSYCHIATRIC MEDICINE

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### 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, aggressiveness, 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. Postmarketing cases of elevated BP requiring immediate treatment have been reported. 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.

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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 4,400 patients) have revealed a greater risk of adverse events representing suicidal thinking obehavior (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.

Suicides occurred in these trials.

CONTRAINDICATIONS: Hypersensitivity to veniafaxine hydrochloride or to any excipients in the formulation. Concomitant use in patients taking monoamine oxidase inhibitors (MAOIs). WARNINGS: Clinical Worsening and Suicide Risk— Patients with major depressive disorder (MDI), 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 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 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 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 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, aglitation, panic attacks, insomnia, 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 depression and/or of the patient's presenting symptoms. If 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). Families and caregivers of pediatric patients being treated with antidepressants for MDD or other indications, both psychiatric and nonpsychlatric, 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 XB 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 to initiating whether any of the symptoms described above represent such a conversion is unknown. Prior to initiating of bipolar disorder. It is generally believed that treating such an episode with an antidepressant alone my 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 MADIs—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, mycolonus, diaphoresis, nausa, 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. Sustained hypertension—Venlafaxine is associated with sustained increases in blood pressure (BP) in some patients. Postmarketing cases of elevated Prequiring immediate treatment have been reported. Pre-existing hypertension should be controlled. Regular monitoring of BP is recommended. For patients experiencing sustained increase in BP, consider either dose reduction of sceneral—Discontinuation of Treatment with Effexor XR. Abrupt discontinuation. PRECAUTIONS: General—Discontinuation of Treatment with Effexor XR. Abrupt discontinuation. PRECAUTIONS: General—Discontinuation of Treatment with Effexor XR. Abrupt discontinuation. PRECAUTIONS: General—Discontinuation of Treatment with Effexor XR. Abrupt discontinuation. PRECAUTIONS: General—Discontinuation of Treatment with Effexor XR. Abrupt discontinuation of which increased with in nervousness, ingitmares, seizures, sensory disturbances (e.g., paresthesias such as electric shock sensations), somnolence, sweating, timitus, tremor, vertigo, and vomiting. Monitor patients when discontinuing treatment. A gradual reduction in the dose rather than abrupt cessation is recommended, intolerable 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 1 % of both depressed patients and Panic Disorder (PD) 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 and PD patients. *Changes in Weight: Adult Patients.* In short-term MDD trials, 7% of Effexor XR patients had ≥5% loss of body weight and 0.1% discontinued for weight loss. In 6-month GAD studies, 3% of Effexor XR patients had ≥7% loss of body weight and 0.1% discontinued for weight loss in 8-week studies. In 12-week SAD trials, 3% of Effexor XR patients had ≥7% loss of body weight, and no patients discontinued for weight loss. The safety and efficacy of venidaxine in combination with weight loss agents, including phentermine, have not been established. Coadministration of Effexor XR and weight loss agents, including phentermine, have not been established. Coadministration of Effexor XR 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 had placebo patients experienced weight loss of the patients of the patients. Pediatric Patients: In 8-week and adolescents in a 6-month study had increases in weight le

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* 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 and PD studies. As with a didrugs effective in the treatment of MDD, Effexor XR should be used cautiously in patients with a history of mania. Hyponatremia: Hyponatremia and/or the syndrome of inappropriate antidiuretic hormone secretics (SIADH) may occur with venlataxine. 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 glaucoma (angle-closure glaucoma). Seizures: In all premarketing depression trials with Effexor, seizures were reported in 0.3% of venlataxine patients. Use cautiously in patients with a history of seizures. Discontinue in any patient who develops seizures. Abnormal Bleeding: Abnormal bleeding (most commonly ecchymosis) has been reported. Serum Cholesterol Elevation: Clinically relevant increases in serum cholesterol were seen in 5.3% of venlataxine 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. Venlataxine has not been evaluated in patients with recent history of MI or unstable heart disease. Increases in OT interval (OTc) have been reported in clinical of selectives. Discontinue in any patient with od develops selectives. Abnormal Bleeding Abnormal beleding involved commonly society in the process of the control of the process of the control of the process of the control of the process of the p resolitation, tribriory altromal decreased libids, and sweeting *Commonly Observed Authors & Feets* in *Controlled Chincal Tribals for 400, A&O, S&O, and PD—Body as a White:* soft-white heeksales in syndrome, consistantion, amoreous womling, fallulore, diurche en exteation. Metablos/inchingosis vegetil for consistantion, amoreous womling, fallulore, diurche en exteation. Metablos/inchingosis vegetil for Selection System characteristics. System diversess, and control of the properties of the properties of the properties of the properties of the properties. System characteristics of the properties of the properties of the properties. System depression and page 15 for XR vess associated with a mean increase in serum cholesterion were noted in Effects XR clinical tribulor, in least 1100 patients in serum cholesterion were noted in Effects XR clinical tribulor. Laboratory Changes: Clinical prelevant increases in serum cholesterion were noted in Effects XR clinical tribulor. Laboratory Changes Clinical prelevant increases in serum cholesterion were noted in Effects XR clinical tribulor. Laboratory Changes Clinical prelevant in the properties of the pro 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 for venlafaxine are known. In managing overdosage, consider the possibility of multiple drug involvement. Consider contacting a poison control center for additional information on the treatment of overdose. Telephone numbers for certified poison control centers are listed in the Physicians' Desk Reference\* (PDR). DOSAGE AND ADMINISTRATION. Consult full prescribing information for dosing instructions. Switching Patients to or From an MAOI —At least 14 days should elapse between discontinuation of an MAOI and initiation of therapy with Effexor XR. At least 7 days should be allowed after stopping Effexor XR before starting an MAOI (see CONTRAINDICATIONS and WARNINGS). This brief summary is based on Effexor XR Prescribing Information W10404C019, revised November 2005. W10404C019, revised November 2005.

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The most common adverse events reported in EFFEXOR XR short-term placebo-controlled depression, generalized anxiety disorder (GAD), social anxiety disorder (SAD), and/or panic disorder (PD) 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 HCl) Extended-Release and Effexor Immediate-Release Prescribing Information, Wyeth Pharmaceuticals Inc.

Please see brief summary of Prescribing Information on

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# CNS SPECTRUM

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# **CME QUIZ**

The quiz is CME-accredited 323 by Mount Sinai School of Medicine for 3.0 credit hours.

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BPA member since July 2005.

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# Two CONTROL CO

# New 50-mg and 400-mg tablets

- 50 mg for simpler dosing during initiation
- 400 mg for an easier way to achieve higher doses\*

- SEROQUEL is indicated for the treatment of acute manic episodes associated with bipolar I disorder, as either monotherapy or adjunct therapy with lithium or divalproex, and the treatment of schizophrenia. Patients should be periodically reassessed to determine the need for continued treatment
- 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

\*The safety of doses above 800 mg/day has not been evaluated in clinical trials. In the elderly and in patients with hepatic impairment, consideration should be given to a lower starting dose, a slower rate of dose titration, careful monitoring during the initial dosing period, and a lower target dose.

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

Please see Brief Summary of Prescribing Information on adjacent page.



Tablets shown are not actual size



AstraZeneca Pharmaceuticals LP

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06 www.SEROQUEL.com

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

Increased Mortality in Elderty Patients with Dementia-Related Psychosis
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MUICATIONS AND USAGE: Bipolar Mania: SEROCUEL is indicated for the treatment of acute manic episodes asso-cated with bipolar I disorder, as either monotherapy or adjunct therapy to lithium or divalprox. The efficacy of SEROCUEL in acute bipolar mania was established in two 12-week monotherapy that and one 3-week adjunct therapy that of bipolar I paleients initially hospitalized for up for 4 days for acute mania. Effectiveness tax or to then sys-tematically evaluated in clinical trials for more than 12 weeks in monotherapy and 3 weeks in adjunct therapy. Therefore, the physician who elects to use SEROQUEL for scheduled periodically re-evaluate the long-term risks and benefits of the drug for the individual patient. Sehipapherais: SEROQUEL is indicated for the treat-ent of school/breinic. The efficacy of SEROQUEL in schopherais assessment in the effectiveness of SEROQUEL in long-term use, that is, for more than 6 weeks, has not been systematically evaluated in controlled trials. Therefore, the physician who elects to use SEROQUEL to consider general soulce periodically re-evaluate the only-entrolled soulce and the service of the school periodical pre-evaluate the only-entrolled periodical pre-evaluate the sonly-entrolled periodical periodical

CONTRADUCCATIONS. SERDOLLE, contrainfactated in middeds with a serout hypercentrating patient and interest contractions and services of the se

contribute to an elevation in core body temporature, e.g., secroting streamus), exposure to extreme heat, receiving concentral medical on with anticholoring activity, or they subject to delipitation. Depulsages: Esophique absorbable in the contribute of the process of the contribute of the contribut

sis should lead to consideration of a lower starting dose, glower thration, and careful monitoring during the minal dosering period in the identify. The mean plasma detarance VSEROULEL was reduced by 90% to 50% in electly patients when compared to younger potients.

APPURSE READTIONS: The information below is derived from a clinical trial detabase for SEROOUEL consisting of over 3000 patients. This database includes 405 patients exposed to SEROOUEL for the treatment of acuse bipolar mains (innorthersy and adjunct therapy) and approximately 2000 patients approximately 3000 subjects, approximately 2007 (2000 in schoolprena and 305 in acuse bipolar mains (2007) (2000 in schoolprena) and 50 in acuse bipolar mains (2007) (2000 in schoolprena) and 50 in acuse bipolar mains (2007) (2000 in schoolprena) and 50 in acuse bipolar mains (2007) (2000 in schoolprena) and 50 in acuse bipolar mains (1007) (2000 in schoolprena) and 50 in acuse bipolar mains (1007) (2000 in schoolprena) and 50 in acuse bipolar mains (1007) (2000 in schoolprena) (2007) (2000 in schoolprena) (2007) (2000 in schoolprena) (2007)

Treatment of Schzophrenia and Biostar Maria (monotherapy): Body as a Whole: Hexacate, Pain Actional Actionian Pain, Back Pain, Fever, Cardiovascular, Tachpardia, Patrual Hypotension, Digosther, Dy Mouth, Conciliation, Vorthina, Dispersia, Gastroenterilis, Garma Blutarny, Transpeptidase increased: Methodic and Nutritional: Weight Qain, SSPT Increased, SSOT Increased, Nerveux: Agelation, Sommoderco, Duzzess, Anuely, Respiratory, Pharyngus, Raininis, Salin and Agendages: Rash, Special Sensex, Amblyoga, Events for which the SSPTOLICE, Increased of control issel, or missed the following pacification of the SSPTOLICE, Increased of SSPT on greater and observed at a real or SSPTOLICE, Increased of SSPT on greater and observed at a real or SSPTOLICE, Increased SSPTOLICE, I sessed by CSG, of 7 beats per minute compared to a mean increase of 1 beat per minute among history parters. This shight brokers to bedy card may be related to SEROULES, potential for inducing orthostic charges (see PRE-MINURS), Other Advence Level Decision of SEROULES, and the state of SEROULES, softential for inducing orthostic charges (see PRE-MINURS), Other Advence Level Decision of SEROULES, the Advence Level Service of SEROULES, and the state of SEROULES of SEROULES, and the state of SEROULES, and state of the state of SEROULES, and state of SEROULES, a

related to SEROOUEL therapy, but not necessarily causally related, include the followings: agranulocytosis, anaphysisis hyponatrenia, inhabomyoyisis, synorome of inappropriate antificuretic homone secretion (SADH), and Sisvens
Johnson Syndrome (SLS).

PRUBLA BLEE AND DEPPLOENCE: Controlled Substance Class: SEROOUEL is not a controlled substance. Physical
and Psychologic dependence: SEROOUEL bas not been systematically studied, in animate or humans, for its potening behavior, these observations were not systematic and it is not possible to predict on the basis of this limited appearings the destination within a CMS-cattle of any will be missed diverted and or substance also within a silk-cattle of the other studies of the silk-missed source of the studies of the silk-missed source of seroon.

OVERDOSAGE: Human experience: Experience with SEROOUEL (questiopine tumans) in solid or bedown do seen and the controlled of the clinical trial details agree in the clinical trial details are general controlled. Questiopine tumans in acute overdosage was immarchogical effect, i.e., or solid or similar of several products of serood or serveral controlled or serv

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