CNS SPECTRUMS®

The International Journal of Neuropsychiatric Medicine

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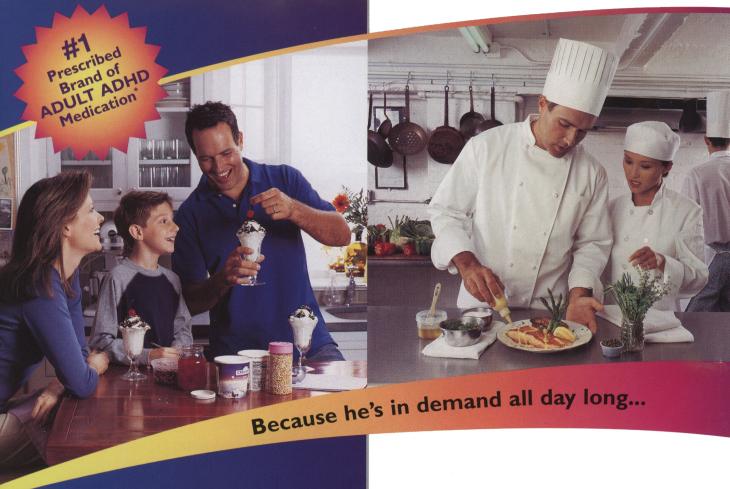
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Interactive Case Conference: Depression, Dementia, or Pseudodementia?

D.L. Dunner

MS S M CME 3



HOME

Aim Higher With ADDERALL XR®

The most common adverse events in clinical studies of ADDERALL XR included: pediatric—loss of appetite, insomnia, abdominal pain, and emotional lability; adolescent—loss of appetite, insomnia, abdominal pain, and weight loss; adult—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. These events have also been reported rarely with amphetamine use. ADDERALL XR generally should not be used in those 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.

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

*IMS Dataview, July 2005.

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WORK

For Efficacy That Measures Up to Life's Demands

- Once-daily dosing provides all-day symptom control
- Mean ADHD-RS total scores for adults receiving ADDERALL XR 20 mg decreased by 41%²
- Clinical data in adults demonstrate that ADDERALL XR is generally well tolerated³
- Extended-release formulation may increase the potential for compliance⁴



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

Reach new heights

References: 1. Faraone SV, Biederman J. A controlled study of functional impairments in 500 ADHD adults. Presented at: 157th Annual Meeting of the American Psychiatric Association; May 5, 2004; New York, NY. 2. Data on file, Shire US Inc., 2005. 3. ADDERALL XR® [package insert], Shire US Inc., 2005. 4. Claxton AJ, Cramer J, Pierce C. A systematic review of the association between dose regimens and medication compliance. Clin Ther. 2001;23:1296-1310.

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

ADDERALL XR® CAPSULES

CII Rx Only

Dose

DAILY

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 EVENTS.

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, one controlled trial in adolts who met DSM-IV® criteria for ADHD, along with extrapolation from the known efficacy of ADDERALL®, the immediate-release formulation of busbance.

Advanced arteriosclerosis, symptomatic cardiovascular disease, moderate to severe hypertension, hyperthyroidism, known hypersensitivity or idiosyncrasy to the sympathomimetic amines, glaucoma.

Agitated states.

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 inadecuate 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. Authorized Dextroamphetamine Sulfate reported in association with amphetamine treatment at usual doses in children with structural cardiac abnormalities. Adderall XRe generally should not be used in children with adolescents, or adults with adolescents, or adults with

of growth. Therefore, growth should be mothered ourning treatment and patients who a root growing or gainst weight as supported should have their retentivent interruption. This beam of the provided in association with amphetamine freatment at issual dooss in children with structural cardiac abnormalities. Address in the control of the provided in association with amphetamine freatment at issual dooss in children with a provided and provided in the control of the provided in the provided in the provided in children. Since the provided and provided in the provided in th

agrations, and significant rassitude.

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 al Age: Effects of ADDERALL XR® in 3-5 year olds have not been studied. Long-term effects of amphetamines are not recommended for use in children under of amphetamines are not recommended for use in children under

3 years of age. **Gerlatric Use:** ADDERALL XR® has not been studied in the geriatric population.

ADVERSE EVENTS

ADVERSE EVENT8
The premarketing development program for ADDERALL XR® included exposures in a total of 1315 participants in clinical trials (835 pediatric patients, 350 adolescent patients, 248 adult) patients, 82 healthy adult subjects). Of these, 635 patients (apse 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 or 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 ECoSA 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 treatmentergent adverse event of the type listed.

Adverse events associated with discontinuation of treatment: In two placebo-controlled studies of up to 5 weeks transmong children with ADHD 24% (10425) 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% (77259) receiving placebo. The most trequent adverse events associated with discontinuation of ADDERALL XR* in controlled and uncontrolled, multiple-dose clinical trials of pediatric patients (Ni-595) are presented below. Over half of these patients were exposed to ADDERALL XR* for 12 months or more.

Adverse event

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4verse event

5verse event

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6verse event

6verse event

7 event

8 event

8 event

8 event

8 event

9 event

Anorexia (loss of appetite) Insomnia Weight loss Emotional lability

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

Body System	Preferred Term	ADDERALL XR* (n=374)	Placebo (n=210)
General	Abdominal Pain (stomachache)	14%	10%
	Accidental Injury	3%	2%
	Asthenia (fatique)	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 Lability	9%	2%
	Insomnia	17%	2%
	Nervousness	6%	2%
Metabolic/Nutritional	Weight Loss	4%	0%

Table 2 Adverse Events Reported by 5% or more of Adolescents Weighing ≤ 75 kg/165 lbs Receiving ADDERALL XR* with Higher Incidence Than Placebo in a 287 Patient Clinical Forced Weekly-Dose Titration Study*

Body System	Preferred Term	ADDERALL XR∘ (n≖233)	Placebo (n=54)
General	Abdominal Pain (stomachache)	11%	2%
Digestive System	Loss of Appetite P	36%	2%
Nervous System	Insomnia ° Nervousness	12% 6%	4% 6%°
Metabolic/Nutritional	Weight Loss ⁶	9%	0%

*Appears the same due to rounding
*Dose-related adverse events
Note: The following events did not meet the criterion for inclusion in Table 2 but were reported by 2% to 4% of adolescent patients receiving ADDERALL XR with a higher incidence than patients receiving placebo in this study: accidental injury, asthenia (fallow), dry mouth, dyspepsia, emotional lability, nausea, somnolence, and vomiting.
*Included doses up to 40 mg

Table 3 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*

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 3 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, constituation, tooth disorder, emotional lability, libido decreased, somnolence, speech disorder, palpitation, *Included doses up to 60 mg.

Included doses up to 60 mg.

The following adverse reactions have been associated with amphetamine use:
Cardiovascular Palpitations, Lachycardia, 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, depression, tremor, headache, exacerbation of motor and phonic tics and Tourette's syndrome, setzures, 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 XPR 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 fatigue and mental depression; changes are also noted on the sleep EEG. Manifestations of chronic intoxication with amphetamines may include severe dermatoses, manifestingomania, irritability, hyperactivity, and personality changes. The most severe manifestation of chronic intoxication is psychosis, often clinically indistinguishable from schizophrenia.

OVERDOSAGE clinically indist

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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.adderalix.com. ADDERALL* and ADDERALL XR* are registered in the US Patent and Trademark Office. Copyright ©2005 Shire US Inc.

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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.

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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 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.

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). WARNINGS: Clinical Worsening and Suicide Risk — Patients with major depressive disorder (MDD), both adult and pediatric, may experience worsening of their depression and/or the emergence of suicidal ideation and behavior (suicidality) or unusual changes in behavior, whether or not they are taking antidepressant medications, and this risk may pay experience worsening of their depression and and are taking antidepressant medications, and this risk 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 behave to solve the suicidality risk in pediatric patients behave 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. Axiety, agitation, 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 the emergence of suicida nonpsychiatric. Although a causal link between the emergence of such symptoms and either the worsening of depression and/or the emergence of suicidal impulses has not been established, there is concern that such symptoms may represent precursors to emerging suicidality. Consideration should be given to changing the therapeutic regimen, including possibly discontinuing the medication, in patients whose depression is persistently worse, or who are experiencing emergent suicidality or symptoms that might be precursors to worsening depression or suicidality, especially if these symptoms are severe, abrupt in onset, or were not part 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 expiration and nonpsychiatric, should be alerted about the need to monitor patients for the emergence of agitation, irritability, unusual changes in behavior, and the other symptoms described above, as well as the emergence of suicidality, and to report such symptoms immediately to health care providers. Such monitoring should include daily observation by families and caregivers. Prescriptions for Effexor XR 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 reduce the risk of overdose. Families and caregivers of adults being treated for depression snouid 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 major 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 a 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 enlafaxine prior to initiation of an MAOI. These reactions included tremor, myockonus, 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 veniafaxine before starting an MAOI. Sustained Hypertension—Veniafaxine is associated with sustained increases in blood pressure (8P) in some patients, Pre-existing hypertension should be controlled. Regular monitoring of BP is recommended. For patients experiencing sustained increase in BP, consider either dose reduction or discontinuation. PRECAUTIONS: General—Discontinuation of Treatment with Effexor XR. Abrupt discontinuation not dose reduction of veniafaxine at various doses is associated with new symptoms, the frequency of which increased with increased dos XR. Abrupt discontinuation or dose reduction of veniafaxine at various doses is associated with new symptoms, the frequency of which increased with increased dose level and longer duration of treatment. Symptoms include agitation, ancrexia, anxiety, confusion, coordination impaired, diarrhea, dizziness, dry mouth, dysphoric mood, emotional lability, fasciculation, ratigue, headaches, hypomania, insomnia, irritability, letthargy, nausea, nervousness, nightmares, seizures, sensory disturbances (e.g., paresthesias such as electric 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. If 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 0.9% of depressed patients and in 3% of both Generalized Anxiety Disorder (GAD) and Social Anxiety Disorder (GAD) patients. Pervousness 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 Effector XR patients and ≥5% loss of body weight and 0.1% discontinued for weight loss. In 6-month GAD studies, 3% of Effector XR patients had ≥7% loss of body weight and no patients discontinued for weight loss. The safety and efficacy of venilalaxine 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 and the description of th

Hyponatremia and/or the syndrome of inappropriate antidiuretic hormone secretion (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 departed. 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 veniafaxine patients. Use cautiously in patients with a history of seizures. Discontinue in any patient who develops seizures. **Abnormal Bleeding**. Abnormal bleeding (most commonly ecchymosib) has been reported. **Serum Cholesterol Elevation**: Clinically relevant increases in serum cholesterol were seen in 5.3% of veniafaxine 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 Concomitation Miness**: Use Effexor XR cautiously in patients with diseases or conditions that could affect hemodynamic responses or metabolism. Veniafaxine has not been evaluated in patients with recent history of MI or unstable heart disease. Increases in 0.1 interval (QTc) have been reported in clinical studies. Exercise caution in patients whose underlying medical conditions might be compromised by increases in heart rate. In patients with renal impairment or cirrhosis of the liver, the clearances of veniafaxine and its active metabolities were decreased, and only the patients with real to the elimination batf-lives. A lower dose may be necessary: use with caution is very decreased. Illness: Use Effect RI cautiously in patients with diseases or conditions that could affect hemodynamic responses or metabolism. Ventilation has not been evaluated in patients with recent history of Mi or unstable heart disease. Increases in OT interval (DTc) have been reported in clinical studies. Exercise caution in patients whose underlying medical conditions might be compromised by increases in heart rate. In patients with treat impairment of crimosis of the liver, the obserances of ventilatorie and its active metabolites were decreased, information for Patients—Prescribers or other health professionals should information from Patients. The patients and insist associated with treatment lifet the propriet use A patient Medication Guide About Using Indicapessans in Children and Remajes is available for Effect XR. The prescriber or health professional should instruct patients, their families, and their caregivers to read the Medication Guide About Using interdepressans in Children and Remajers is available at waywelf-growth or the patients of the Medication Guide and to obtain answers to any cuestions they may have. The complete text of the Medication Guide and to obtain answers to any cuestions they may have. The complete text of the Medication Guide and to obtain answers to any cuestions they may have. The complete text of the Medication Guide and to obtain answers to any cuestions. The provide provide provide the provide provide provide provide the provide p pregnant women; use Effexor XR during pregnancy only if clearly needed. *Nontratogenic Effects*. Neonates exposed to Effexor XR late in the third trimester have developed complications requiring prolonged hospitalization, respiratory support, and tube feeding. Complications can arise immediately upon delivery. Reports include respiratory distress, cyanosis, apnea, seizures, temperature instability, feeding difficulty, yomitting, hypoglycemia, hypotonia, hypotonia, hypotenoia, hypereflexia, termor, jitteriness, irritability, end constant crying. This is consistent with a direct toxic effect of SNRIs or a drug discontinuation syndrome. In some cases, it is consistent with serotonia syndrome. When treating a pregnant woman with Effexor XR during the third trimester. Labor, Delivery, Nursing—The effect on labor and delivery in humans is unknown. Venlataxine and DDV have been reported to be excreted in human milk. Because of the potential roserious adverse reactions in nursing infants from Effexor XR, a decision should be made whether to discontinue nursing or to discontinue the drug, taking into account the importance of the drug to the mother. Pediatric Use—Safety and effectiveness in the pediatric population have not been established (see BDX WARNING and WARNINGS: Clinical Worsening and Suicide Risk). No studies have adequately assessed the impact of Effexor XR on growth, development, and maturation of children and adolescents. Studies suggest Effexor XR may adversely affect weight and height (see PRECAUTIONS-General, Changes in Height and Changes in Weight). Should the decision be made to treat a pediatric patients with Effexor XR, regular monitoring of weight and height is recommended during treatment, particularly if long term. The safety of Effexor XR for pediatric patients has not been assessed for chronic treatment >6 months. In studies in patients aged 6-17, bloop dressure and cholesterol increases considered to be clinically relevant were similar to that observed in adult patients. The precautions for adu System: dizziness, somnolence, insomnia, dry mouth, nervousness, abnormal dreams, tremor, depri

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, ligeniny, 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 direct, gingivitis, glossitis, rectal hemorrhage, enhanced properties, passed properties, properties, passed properties, passed properties, passed productis, hemorrhage, properties, passed pro 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, cutorius, 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. Ek6 abnormalities such as OT prolongation; cardiac arrhythmias including a torsi collegion, and care reports of ventricular fibrillation and ventricular tachycardia, extricular extrasystoles, and rare reports of ventricular fibrillation, supraventricular tachycardia, extricular extrasystoles, and rare reports of ventricular fibrillation, and constitution of the program of the proper program and program and program and program and program and progr

Take a closer look at

Dialogues

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

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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 ≥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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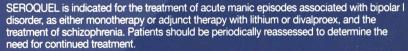
I always wanted to achieve more Now can



Now the most prescribed atypical*

To help patients achieve continued success^{†1.4}

Trusted tolerability To help patients stay on treatment^{1.5}



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.

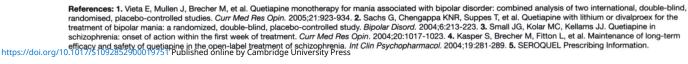
Please see Brief Summary of Prescribing Information on adjacent page.



Redefine Success

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231617 7/05



AstraZeneca 2

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

Prisscribing Information.

Increased Morfally in Elderly Patients with Dementia-Related Psychosis: Elderly patients with dementia-related psychosis treated with abyotcal antipsychotic drugs are at an increased risk of death compared to placebo. Analyses of seventeen placebo-controlled trials (not all to the destroy to the property of the property o Related Psychosis.

INDICATIONS AND USAGE: Bipplar Mania: SEROQUEL is indicated for the treatment of acute manic episodes INCLATIONS AND USANCE SIQUE MARKETS. SOURCE, Is tracked on the technical to severe them the sessions as secondard with higher disorder, as either monotherapy or adjunct therapy to hithin or divalginors. The efficacy of SEROULE, in some bipoten mane, was established as two 12-week monotherapy tricks and one 3-week adjunct therapy that of bodder I perfect markets. Effectiveness has not been systematically evaluated in clinical fields from ree than 12-weeks in monotherapy and 3 weeks in adjunct therapy. Therefore, the physician who elects to use SEROULE for evaluating empositions should periodically verificately are evaluated. reaspy, reactive, the physician who elects to use S-EMULLE for extended periods should periodically events used the long-free misks and benefits of the drug for the individual patient. Schapphrenia: S-EPOULEL is indicated for the restment of schapphrenia. The efficacy of SEPOULEL in schapphrenia was established in indicated for the restment of schapphrenia was established in sort-dreni (R-week) controlled trials of schapphrenia was established in use, that is, for more than 0 weeks, has not been systematically evaluated in controlled trials. Therefore, the physician who elects to use SEPOULEL for extended periods should periodically re-evaluate the long-term usefulness of the drug for the individual patient.

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

is unknown. The risk of developing fartine dyskinises and the likelihood that it will become inversible are eleveloped to increase as the duration of trastment and the blad includible does of antispychotic trugs administrated to the patient increase. However, the syndrome can develop, although much less commonly, after relatively interframent profest allow does a fixer is not known that the common of the patient increase. However, the syndrome can remain of sealible decision of the commonly, after relatively interframent profest allow does a fixer of the common of the c so relative registeril return you're feathern. In the related applict studies, where exercisized, was actived in order offendigrouse, P. (25. 267.86) of 19/2000. It is all an active relative to the control of the control of the SPOULCE. Invested patients with elevated TSH levels. 3 fast simultaneous lower FA evels. Cholesterol and finglyportic effective in school phrasis in these control of the school of

therapy does not affect them adversely. Priapsism: One case of priapsism in a patient receiving SEROQUE. It as been reported prior to market introduction. While a cusual relationship is used SEROQUE is not been established, often drugs with alpha-acterings to blocking effects where the reported to induce priapsin, and it is possible than SEROQUE. It may status this capacity, Service prospers may require suspical intervention. Bruight "Temperatural Regulation. Although interfective with SEROQUE, disruption of the body's ability to reduce one tooly emperature has been attributed to antisportable parts. Appropriate can be admitted within prescribing SEROQUE. In patients with or will be convenient, or directions which may contribute to an effection in one in just could be updated by the experiencing conductors which may continue to an execution in certain body lamperature or, expressing settlements, experience between heat, excellent procordinated medication with anticitationing a calvidy, or being subject to dehyorization. **Displangic:** Esophageal dyserrodinity and experience in being a subject of the experience of t and colinging activity, or being subtest to delivoration. **Disphagin:** Esciplaged dysricility and apparation have been essociated with artispecificity drug use. Application prevarious as a continuor cause of mortality and other or alloys in elevity pretents, in particular times with advanced Adhamen's dements. SPROUCE, and other or artispsyloidate drugs should be associated cause to a separation of the prevarious of the pr stass and in male rates at a dues of 250 mg/lg or 30 mins the maximum human dose on a mg/m² basis.
Mammary gland adenocationnas were statistically significantly increased in femile as at all doses isseld (25, 5 ser. 250 mg/lg) or 3.0, 99, and 3.0 mins the maximum human dose on a mg/m² basis.
Hyrodo tolicular zelf administrations are season experimentally assentiated to the Byrod gland by thyrod statistic promotine. (15) estating from men embaraced metabolish and detainate of throwes by rocent liver. Charges the production of the control o

S Treated Patients in Short-Term, Placebo-Controlled Trials: The following treatment-emergent adverse events that occurred during active therapy of school/horsis (up to 6 weeks) and byolar mania (up to 12 weeks) in 15 or more of patients treated with SEROOUEL (cores ranging from 75 to 800 migdly) where the inclonece in youthers treated with SEROOUEL (cores ranging from 75 to 800 migdly) where the inclonece in youthers treated with SEROOUEL (cores ranging from 75 to 800 migdly) where the inclonece in youthers treated with SEROOUEL (some ranging from 75 to 800 migdly) where the inclonece in youthers treated with SEROOUEL (some ranging from 75 to 800 migdly) where the inclonece in youthers treated the Patients of the Treatment of Schröpfrents and Bipolar Manial (monatherspy); 800 years a Whole: Headcache, Pain, Astheria, and Addonniar Plans, Back Pain, Ferre Cardiovastvair. Tarkgradia. Postant Hypotension, Digistive: Dry Mouth, Constitution, White Michael Cardiovastvair. Tarkgradia. Postant Hypotension, Digistive: Dry Mouth, Constitution, White Michael Cardiovastvair. Schol Interested Hypotension, Digistive: Dry Mouth, Constitution, Hypotension, Plans, Schol Interested, Pain, Pain, Schol Interested, Backers, Cardiovastvair. Schol Interested, depression, distrines, extraptive analysis, and plans, nervoustress, paresthesis, persipheral edema, sweating, termor, and weight loss, in these studies, including and observed at a rate on SEROOUEL, at least vives that of placado were sommistical edemands of 5% or greater) and observed at a rate on SEROOUEL, at least vives that of placado were sommistical edemands of 5% or greater, and observed at a rate on SEROOUEL, at least vives that of placado were sommistical edemands of 5% or greater, and observed at a rate on SEROOUEL, at least vive the Treatment of Blobar treated with SEROOUEL to several adverse event second patients. Treatment—emergent Abertage Experience Indications in 34 Week Placado-Controlled Clinical trials for the Treatment of Blobar treated with SEROOUEL to se clinically imporfamil differences between SERODUEL and placeato. ERG Changeis: Between group comparisons for policy placehos controlled trials revealed no statistically significant SERODUE-floatebook differences in the proportions of patients experiencing obternally important changes in ECG garaneters, including QT, QT, and PR intervals. However, the proportions of patients meeting the criteria for takyward were compared in Osr, 21-16-9-984 placebo-controlled clinical trials for the treatment of school/heria revealing a 1% (4099) moderno of SERODUEL compared to Osr, (176) pictodens for placebo. In cause, immonsheragy) bypoar mais trials the proportions of patients meeting the criteria for takyvarids was 05% (1719) for SERODUEL compared to O% (0717) incidence for placebo. The author proportions of patients meeting the same criteria was 0.0% (1766) for SERODUEL compared to 0% (0717) incidence for placebo. SERODUEL compared to 0% (0717) incidence for plac

annument control executor (study), and steer admissin symbol (scale).

Physical and Psychologic dependence: SEROCUEL has not been systematically studied, in animals or humans for its potential for abuse, tolerance or physical dependence. While the clinical trials did not reveal any tendency. for any drug-seaking behavior, these observations were not systematic and it is not possible to predict on the basis of this limited experience the extent to which a CNS-active drug will be misused, dwerted, and/or abused once marketed. Consequently, selectis should be evaluated carefully for a history of drug abuse, and such patients should be observed obsety for signs of misuse or abuse of SEROQUEL, e.g., development of tolerance. increases in dose, drug-seeking behavior.

patients should be observed closely for signs of misuse or abuse of SEROULEL, e.g., development of tolerance, norassis in close, drug-selding behavior.

VISROSASE: Human experience: Sperience with SEROULEL (quelesine turnarde) in acute overdosage was imited in the clinical retried abuse, of experience should be considered obese ranging from an exaggeration of the drug's known planmacological clients; i.e., drowsless and seldion; to exhapsited on experience there is evidence of seldion may be additionable of the drug's known planmacological effects; i.e., drowsless and seldion; to exhapsite and seldion of the drug's known planmacological effects; i.e., drowsless and seldion; exhapsited and hypotension. One case, involving an estimated overdose of 9000 mg, was associated with hypotelemia and first degree hand blook in post-marketing penetrose. There has been very rare reports of overdose of SEROULEL aliance of selding in extended of continuous electrocardiographic or dystonic reaction of the head and next following workers any create a risk of appretist on worksock and aministension of advised charces of selding and spinish experience of SEROULEL aliance of selding and spinish experience of selding and spinish expe