

Continue



inhibitor/ATC code N06AX16 (WHO) Legal status/Legal status/USA: S4 (Prescription only)[2] BR: Class C (Other controlled substances)[3] CA: RX-only U.S. POM (Prescription only)[4] US: R-only[5][6] Pharmacokinetic data/Bioavailability: 42±15%[2] Protein binding: 27±2% (parent compound), 30±12% (active metabolite), desvenlafaxine [5] Metabolism/Extensively metabolised by the liver,[2][5] primarily via CYP2D6[5][7] Metabolites/O-desmethylvenlafaxine (ODV), see desvenlafaxine/Elimination half-life: 5±2 h (parent compound for immediate-release preparations), 15±6 h (parent compound for extended-release preparations), 11±2 h (active metabolite)[2][5] Excretion/Kidney (87%; 5% as unchanged drug)[2] 29% as desvenlafaxine and 53% as other metabolites[2][5] Identifiers IUPAC name: RS-(1'-2-dimethylamino)-1-(4-methoxyphenyl)-ethyl[cyclohexan CAS Number: 9313-69-5 Ys HCl: 9930-78-2 PubChem CID: 565636as HCl: 629239DugBankDB00285 Ys HCl: D566149RCB15RCB1QGQas HCl: 7D7R5A8MDQEGGD08670 Ys HCl: D00812C1HEB1C943 Ys HCl: C1HEB1.9944ChEMBLC1EMBL201066CompTox Dashboard (EPAD) DTNSID50263737 ECHA InfoCard100.122.418 Chemical and physical data/Formularia C17H27N2O2Molar mass: 277.408 g/mol-13D model (ISmol) Interactive image/Chirality/Racemic mixture SMILES OC2(C)c1cc(Oc)(Cc1)CC(C)CCC2 InChI InChI=1S/C17H27N2O2/c1-18(21)3-16(19)11-5-4-6-12(17)14-7-9-15(20)-3(10)-8-14(7-10)-16,19H,4-6,11-13H2,1-3H3 YKey: PNVNVNUHZUROJLT-UHFFFAOYSA-N Y (verified) Venlafaxine sold under the brand name Effexor among others, is an antidepressant medication of the serotonin-norepinephrine reuptake inhibitor (SNRI) class.[5][8] It is used to treat major depressive disorder, generalized anxiety disorder, panic disorder, and social anxiety disorder.[8] Studies have shown that venlafaxine improves post-traumatic stress disorder (PTSD) as a recommended first-line treatment.[9] It may also be used for chronic neuropathic pain.[10] It is taken orally (swallowed by mouth).[8] It is also available as the salt venlafaxine besylate (venlafaxine benzenesulfonate monohydrate) in an extended-release formulation (Venibixi XR). [6] Common side effects include loss of appetite, constipation, dry mouth, dizziness, sweating, insomnia, drowsiness and sexual problems.[8] Severe side effects include an increased risk of suicide, mania, and serotonin syndrome.[8] Antidepressant withdrawal syndrome may occur if stopped.[8] A meta-analysis of randomized trials in depression found an increased rate of serious adverse events, particularly sexual dysfunction and anorexia, and several non-serious adverse effects, including nervousness, asthenia, and tremor.[11] There are concerns that use during the later part of pregnancy can harm the baby.[8] Venlafaxine's mechanism of action is not entirely clear, but it seems to be related to the potentiation of the activity of some neurotransmitters in the brain.[8] Venlafaxine was approved for medical use in the United States in 1993.[8] It is available as a generic medication.[8] In 2022, it was the 44th most commonly prescribed medication for the treatment of depression, generalized anxiety disorder, social phobia, panic disorder, and vasomotor symptoms.[14] Venlafaxine has been used off-label for the treatment of diabetic neuropathy[15] and migraine prevention.[16] It may work on pain via effects on the opioid receptor.[17] It has also been found to reduce the severity of 'hot flashes' in menopausal women and men, on hormonal therapy for the treatment of prostate cancer.[18][19] Due to its action on both the serotonergic and adrenergic systems, venlafaxine is also used as a treatment to reduce episodes of cataplexy, a form of muscle weakness, in patients with the sleep disorder narcolepsy.[20] Some open-label and three double-blind studies have suggested the efficacy of venlafaxine in the treatment of attention deficit-hyperactivity disorder (ADHD).[21] Clinical trials have found possible efficacy in those with post-traumatic stress disorder (PTSD).[22] Case reports, open trials and blinded comparisons with established medications have suggested the efficacy of venlafaxine in the treatment of obsessive-compulsive disorder.[23] A comparative meta-analysis of 21 major antidepressants found that venlafaxine, agomelatine, amitriptyline, escitalopram, mirtazapine, paroxetine, and voroxetine were more effective than other antidepressants, although the quality of many comparisons was assessed as low or very low.[24][25] Venlafaxine was similar in efficacy to the atypical antidepressant bupropion; however, the remission rate was lower for venlafaxine.[26] In a double-blind study, patients who did not respond to a SSRI were switched to either venlafaxine or another SSRI (citalopram); similar improvement was observed in both groups.[27] Studies have not shown that venlafaxine increases the risk of suicidal thoughts or attempts.[29][30][31][32][33][34] Higher doses (e.g., 225 mg and 375 mg per day) but also cause more side effects.[35] Studies have shown that the extended-release is superior to the immediate-release form of venlafaxine.[36] A 2017 meta-analysis has shown that the efficacy of venlafaxine is not correlated with baseline severity of depression.[36] In other words, regardless of how severe a person's depression is at treatment initiation, the efficacy of venlafaxine remains consistent and is not influenced by the severity of depression at the start of treatment. Venlafaxine is not recommended in patients hypersensitive to it, nor should it be taken by anyone who is allergic to the inactive ingredients, which include gelatin, cellulose, ethylcellulose, iron oxide, titanium dioxide and hydrophilic. It should not be used in conjunction with a monoamine oxidase inhibitor (MAOI), as it can cause potentially fatal serotonin syndrome.[2][5][37] Venlafaxine discontinuation rate due to adverse effects is 9.4%.[36] The US Food and Drug Administration (FDA) requires all antidepressants, including venlafaxine, to carry a black box warning with a generic warning about a possible suicide risk.[citation needed] A 2014 meta-analysis of 21 clinical trials of venlafaxine for the treatment of depression in adults found that compared to placebo, venlafaxine reduced the risk of suicidal thoughts and behavior.[39] A study conducted in Finland followed more than 15,000 patients for 3.4 years. Venlafaxine increased suicide risk by 60% (statistically significant). As compared to no treatment. At the same time, fluoxetine (Prozac) halved the suicide risk.[40] In a study sponsored by Wyeth, which produces and markets venlafaxine, the data on more than 200,000 cases were obtained from the UK general practice research database. At baseline, patients prescribed venlafaxine had a greater number of risk factors for suicide (such as prior suicide attempts) than patients treated with other anti-depressants. The patients taking venlafaxine had a significantly higher risk of suicide than the ones on fluoxetine or citalopram (Celexa). After adjusting for known risk factors, venlafaxine was associated with an increased risk of suicide relative to fluoxetine and dothiepin which was not statistically significant. A statistically significant greater risk for attempted suicide remained after adjustment, but the authors concluded that it could be due to residual confounding.[41] An analysis of clinical trials by the FDA statisticians showed the incidence of suicidal behavior among the adults on venlafaxine to be not significantly different from fluoxetine or placebo.[42] Venlafaxine is contraindicated in children, adolescents, and young adults. In children and adolescents with depression, venlafaxine increases the risk of suicidal thoughts and attempts.[29][30][31][32][33][34] The development of a potentially life-threatening serotonin syndrome (also classified as "serotonin toxicity")[43] may occur with venlafaxine treatment, particularly with concomitant use of serotonergic drugs, including but not limited to SSRIs and SNRIs, many hallucinogens such as tryptamines and phenethylamines (e.g., LSD/LSA, DMT, MDMA, mescaline), dextromethorphan (DXM), tramadol, tapentadol, pethidine and triptans and with drugs that impair metabolism of serotonin (including MAOIs).[citation needed] Serotonin syndrome symptoms may include mental status changes (e.g. agitation, hallucinations, coma), autonomic instability (e.g. tachycardia, labile blood pressure, hyperthermia), neuromuscular aberrations (e.g. hyperreflexia, incoordination), or gastrointestinal symptoms (e.g. nausea, vomiting, diarrhea). Venlafaxine-induced serotonin syndrome has also been reported when venlafaxine has been taken in isolation in overdose.[44] An abortive syndrome state, in which some but not all of the symptoms of the full serotonin syndrome are present, has been reported with venlafaxine at mid-range dosages (150 mg per day).[45] A case of a patient with serotonin syndrome induced by low-dose venlafaxine (3.75 mg per day) has also been reported.[46] There are few well-controlled studies of venlafaxine in pregnant women. A study released in May 2010 by the Canadian Medical Association Journal suggests use of venlafaxine doubles the risk of miscarriage.[47][48] Consequently, venlafaxine should only be used during pregnancy if clearly needed.[5] A large case-control study also part of the National Birth Defects Prevention Study and published in 2012 found a significant association between venlafaxine use during pregnancy and several birth defects including anencephaly, cleft palate, septal heart defects and coarctation of the aorta.[49] Prospective studies have not shown any statistically significant congenital malformations.[50] There have, however, been some reports of self-limiting effects on newborn infants.[51] As with other serotonin reuptake inhibitors (SRIs), these effects are generally short-lived, lasting only 3 to 5 days,[52] and rarely resulting in severe complications.[53] According to the ISBD Task Force report on antidepressant use in bipolar disorder,[54] during the course of treatment for depression with those suffering from bipolar I and II, venlafaxine "appears to carry a particularly high risk of inducing pathologically elevated states of mood and behavior." Because venlafaxine appears to be more likely than SSRIs and bupropion to induce mania and mixed episodes in these patients, provider discretion is advised through "carefully evaluating individual clinical cases and circumstances." A rare but serious side effect of venlafaxine is liver injury. It appears to affect both male and female patients with a median age of 44. Cessation of venlafaxine is one of the appropriate measures of management. While the mechanism of venlafaxine-related liver injury remains unclear, findings suggest that it may be related to a CYP2D6 polymorphism.[55] Most patients overdosing with venlafaxine develop only mild symptoms. Plasma venlafaxine concentrations in overdose survivors have ranged from 6 to 24 mg/L, while postmortem blood levels in fatalities are often in the 10-90 mg/L range.[56] Published retrospective studies report that venlafaxine overdose may be associated with an increased risk of fatal outcome compared to that observed with SSRI antidepressant products, but lower than that for tricyclic antidepressants. Healthcare professionals are advised to prescribe Effexor or Citalopram XR in the smallest quantity of capsules consistent with good patient management to reduce the risk of overdose.[57] It is usually reserved as a second-line treatment for depression due to a combination of its superior efficacy to the first-line treatments like fluoxetine, paroxetine and citalopram and greater frequency of side effects like nausea, headache, dizziness, dry mouth, constipation, sexual dysfunction, sweating and nervousness.[24][51] There is no specific antidote for venlafaxine, and management is generally supportive, providing activated charcoal to prevent absorption of the drug. Monitoring of cardiac rhythm and vital signs is indicated. Seizures are managed with benzodiazepines or other anticonvulsants. Forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. Forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazepines or other anticonvulsants. For forced diuresis, hemodialysis, exchange transfusion, or hemoperfusion are unlikely to be of benefit in hastening the removal of venlafaxine. These treatments are not recommended in the absence of a specific antidote. Seizures are managed with benzodiazep

