LAW & MEDICINE

Informed Consent: Disclosure of Risks

Question: Regarding physician liability arising from medication injuries, which of the following is most accurate?

A. Doctor is liable if drug was prescribed for unapproved off-label use.

B. Doctor is liable for failing to warn of significant risks.

C. Doctor is liable for failing to warn of all complications. D. Patient did not ask about side effects and therefore was contributorily negligent.

E. Liability will attach to manufacturer for a "defective product."

Answer: B. The informed consent doctrine requires that physicians discuss all material risks, including rare but

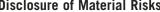
serious risks. Choice A is incorrect because prescribing a drug for an "off-label" use may be an acceptable practice. However, it is prudent for the doctor to document in the records the reason for using the drug. Choice C is overly broad. A warning is required for all material risks (i.e., those that significantly affect the patient's decision to accept or reject the recommended treatment), but a warning is not necessary for all risks.

Patients are assumed to have little or no

knowledge of medications, and they have no legal duty to inquire about side effects. The doctor, on the other hand, has an affirmative duty to warn of these side effects. In a malpractice case alleging lack of informed consent due to failure to warn,

> the defense cannot plead contributory negligence, so choice D is incorrect. Finally, E is also incorrect. The "learned intermediary" doctrine stipulates that the doctor, not the pharmaceutical company, is liable for medication-related injuries as he/she is a learned professional who directly communicates with the patient and who does the actual prescribing. This puts the doctor in the hot seat for an adverse drug re-

action, unless the drug company has been negligent in identifying and/or communicating the risk.



give their consent to treatment, they should have sufficient information regarding the doctor's treatment plans. The consent must also be given voluntarily. The notion of patient autonomy is so entrenched that the law imposes upon

the practitioner the duty to disclose three fundamental aspects of treatment, easily remembered by the mnemonic PAR (P = procedure [or medication/device], A = alternatives, R = risks).

What constitutes a material risk is at the heart of the controversy surrounding the informed consent doctrine. Generally, the patient should be informed of all serious risks, even if unusual or rare. However, in one court case, a 1% risk of hearing loss required disclosure (Scott v. Wilson, 396 S.W.2d 532 [Tex. Civ. App. 1965]), whereas in another, the court appeared to say that a 1.5% chance of visual loss did not (Yeats v. Harms, 393 P.2d 982 [Kan. 1964]). The California Supreme Court has stated that "material information is that which the physician knows or should know would be regarded as significant by a reasonable person in the patient's position when deciding to accept or reject the recommended medical procedure," that "a (material) fact must also be one which is not commonly appreciated," and that the scope of disclosure may be expanded in patients with "unique concerns or lack of familiarity with medical procedures" (Truman v. Thomas, 27 Cal.3d 285 [1980]). There is, however, no legal requirement to deliver a "mini-course in medical science" (Cobbs v. Grant, 8 Cal.3d 229 [1972]).

Warren v. Schecter is one of the most dramatic cases to confront the material risk issue. The plaintiff won a \$9.6 million judgment against the doctor for his failure to disclose risk of osteoporosis (Warren v. Schecter, 67 Cal.Rptr.2d 573 [Cal. 1997]). Dr. Schecter had performed gastric surgery on Janet Warren for peptic ulcer disease, and had warned the patient of the risks of bowel obstruction, dumping syndrome, and anesthetic death. He did not believe osteoporosis, osteomalacia, and bone pain were risks of surgery, and so did not discuss those risks with her. The plaintiff testified at trial that had Dr. Schecter warned of the risk of metabolic bone disease, she would not have consented to surgery. A second operation was undertaken because she developed postoperative dumping syndrome and alkaline reflux gastritis, and the surgeon again failed to advise her of the risk of metabolic bone disease. She again asserted that she would not have consented to the second surgery had she been duly advised.

The plaintiff subsequently developed severe osteoporotic fractures, and filed a malpractice lawsuit alleging that Dr. Schecter was liable under an informed consent theory for performing surgery without advising her of the risk of bone

Continued on following page



Disclosure of Material Risks

In order for patients to meaningfully

Inaccurate Methods Often Used for Physician Cost Profiling

BY MARY ANN MOON

urrent methods for profiling individual physicians as to whether they provide low-cost or high-cost care are often inaccurate and produce misleading results, according to a report.

Health plans use cost profiling to limit how many physicians get in-network contracts and to allot bonuses to the physicians whose "resource use" is lower than average. In each case, there must be a method for determining physicians' costs, yet the accuracy of these methods has never been proved, according to John L. Adams, Ph.D., of RAND Corp., and his associates.

To our knowledge, the reliability of physician cost profiling has not been previously addressed," they noted.

Dr. Adams and his colleagues assessed the reliability of current methods of cost profiling using claims data from four Massachusetts insurance companies concerning 1.1 million adult patients treated during 2004-2005. A total of 12,789 physicians were included in the study. They were predominantly men who were board certified, had been trained in the United States, and had been in practice for more than 10 years.

The physicians worked in 28 specialties, including cardiology, endocrinology, gastroenterology, and obstetrics and gynecology. Family physicians, general physicians, and internal medicine physicians comprised approximately one-third of the

The investigators estimated the reliability of cost profiles on a scale of 0-1, with 0 representing completely unreliable profiles and 1 representing completely reliable profiles. They then estimated the proportion of physicians in each specialty whose cost performance would be calculated inaccurately.

Overall, only 41% of physicians across all specialties had cost profile scores of 0.70 or greater, a commonly used threshold of acceptable accuracy. Only 47% of internists, 30% of cardiologists, 41% of family or general physicians, 57% of ob.gyns., 59% of gastroenterologists, and 22% of endocrinologists received scores of 0.70.

Overall, only 9% of physicians in the study had scores of 0.90 or greater, indicating optimal accuracy.

The proportion of physicians who were classified as "lower

cost" but who were not in fact lower cost ranged from 29% to 67%, depending on the specialty. Fully 50% of internists, 40% of cardiologists, 39% of family or general physicians, 36% of ob.gyns., 32% of gastroenterologists, and 50% of endocrinologists were misclassified as "lower-cost" providers when they were not.

Also, 22% of internists were misclassified as "higher cost" when they were not in fact higher cost. This same misclassification occurred for 14% of cardiologists, 16% of family or general physicians, 10% of ob.gyns., 11% of gastroenterologists, and 19% of endocrinologists.

These findings indicate that standard methods of cost profiling are highly unreliable, and that many individuals and groups are basing important decisions on inaccuracies. "Consumers, physicians, and purchasers are all at risk of being misled by the results produced by these tools," the investigators

concluded (N. Engl. J. Med. 2010;362:1014-21).

The study findings also suggest that using cost profiles that are based on these unreliable methods will not reduce health care spending, they added.

Disclosures: This study was supported by the Department of Labor, the National Institutes of Health, and the Robert Wood Johnson Foundation. The investigators' disclosures can be found at nejm.org.

Abandon Flawed Evaluation Programs

contention that there are serious flaws in health insurer programs that attempt to rate physicians based on cost of care.

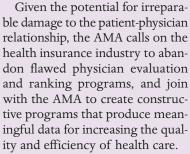
The RAND study shows that physician ratings conducted by insurers can be wrong up to twothirds of the time for some groups of physicians. Inaccurate information can erode patient confidence and trust in caring physicians, and

disrupt patients' relationships with physicians who have cared for them for years.

Patients should always be able to trust that the information they receive on physicians is

The RAND Corp. study verifies the American Medical Association's long-standing valid and reliable, especially when the data are used by insurers to influence or restrict pa-

tients' choice of physicians.



J. JAMES ROHACK, M.D., is president of the American Medical Association. He reported having no conflicts of interest.

Continued from previous page

complications. The jury found that Dr. Schecter did not disclose to Ms. Warren all relevant information that would have enabled her to make an informed decision regarding surgery and that a reasonably prudent person in her position would not have consented to surgery if adequately informed of all the significant perils.

Other Aspects of Disclosure

Besides risks associated with surgery or a medication, courts have also looked at other aspects of disclosure in the doctorpatient relationship. Some litigated examples include disclosing the limited experience of a neurosurgeon (Johnson v. Kokemoor, 545 N.W.2d 495 [Wis. 1996]), financial incentives amounting to a breach of fiduciary responsibility (Moore v. The Regents of the University of California, 793 P.2d 479 [Cal. 1990]), and a surgeon's disclosure of his positive HIV status (Estate of Behringer v. The Medical Center at Princeton, 192 A.2d 1251 [N.J. Super. 1991]) or alcoholism (Hidding v. Williams, 578 So.2d 1192 [La.App. 1991]). However, in Arato v. Avedon, the California Supreme Court held that the law did not require physicians to inform their terminally ill patients of their prognosis and life expectancy (Arato v. Avedon, 858 P.2d 598 [Cal. 1993]).

An example of statutory law regarding informed consent is found in Hawaii Revised Statutes §671-3. Amended by the 2003 legislature, the statute mandates disclosure of "recognized material risks of serious complications or mortality" but does not define the word "material." This amended language replaced the earlier version's "recognized, serious, possible risks, complications and anticipated benefits," arguably lightening the doctor's duty regarding risk disclosure. In reality,

the new language is unlikely to have a significant practical effect. An earlier 1976 version of the law merely required the disclosure of "probable risks and effects." ■

DR. TAN is professor of medicine and former adjunct professor of law at the University of Hawaii, Honolulu. This article is meant to be educational and does not constitute medical, ethical, or legal advice. It is adapted from the author's book, "Medical Malpractice: Understanding the Law, Managing the Risk" (2006). For additional information, readers may contact the author at siang@hawaii.edu.



BRIEF SUMMARY. See package insert for full Prescribing Information. For further product information and current package insert, please visit www.wyeth.com or call our medical communications department toll-free at 1-800-934-5556.

WARNING: Suicidality and Antidepressant Drugs

WARNING: Suicidality and Antidepressant Drugs

Antidepressants increased the risk compared to placebo of suicidal thinking and behavior (suicidality) in children, adolescents, and young adults in short-term studies of Major Depressive Disorder (MDD) and other psychiatric disorders. Anyone considering the use of Pristiq or any other antidepressant in a child, adolescent, or young adult must balance this risk with the clinical need. Short-term studies did not show an increase in the risk of suicidality with antidepressants compared to placebo in adults beyond age 24; there was a reduction in risk with antidepressants compared to placebo in adults aged 65 and older. Depression and certain other psychiatric disorders are themselves associated with increases in the risk of suicide. Patients of all ages who are started on antidepressant therapy should be monitored appropriately and 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. Pristiq is not approved for use in pediatric patients [see Warnings and Precautions (5.1), Use in Specific Populations (8.4), and Patient Counseling Information (17.1 in the full prescribing information)].

INDICATIONS AND USAGE: Pristiq, a selective serotonin and norepinephrine reuptake inhibitor (SNRI), is indicated for the treatment of major depressive disorder (MDD).

is indicated for the treatment of major depressive disorder (MDD).

CONTRAINDICATIONS: Hypersensitivity-Hypersensitivity to desvenlafaxine succinate, venlafaxine hydrochloride or to any excipients in the Pristiq formulation. Monoamine Oxidase Inhibitors-Pristiq must not be used concomitantly in patients taking monoamine oxidase inhibitors (MAOIs) or in patients who have taken MAOIs within the preceding 14 days due to the risk of serious, sometimes fatal, drug interactions with SNRI or SSRI treatment or with other serotonergic drugs. Based on the half-life of desvenlafaxine, at least 7 days should be allowed after stopping Pristiq before starting an MAOI [see Dosage and Administration (2.5) in the full prescribing information].

days should be allowed after stopping Pristiq before starting an MAOI [see Dosage and Administration (2.5) in the full prescribing information).

WARNINGS AND PRECAUTIONS: 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 persist until significant remission occurs. Suicide is a known risk of depression and certain other psychiatric disorders, and these disorders themselves are the strongest predictors of suicide. There has been a long-standing concern, however, that antidepressants may have a role in inducing worsening of depression and the emergence of suicidality antidepressants may have a role in inducing worsening of depression and the emergence of suicidality aretain patients during the early phases of treatment. Pooled analyses of short-term placebo-controlled studies of antidepressant drugs (SSRIs and others) showed that these drugs increase the risk of suicidality in children, adolescents, and young adults (ages 18-24) with major depressive disorder (MDD) and other psychiatric disorders. Short-term studies did not show an increase in the risk of suicidality with antidepressants compared to placebo- in adults beyond age 24; there was a reduction with antidepressants compared to placebor in adults aged 65 and older. The pooled analyses of placebo-controlled studies in children and adolescents with MDD, obsessive-compulsive disorder (OCD), or other psychiatric disorders included a total of 24 short-term studies of 9 antidepressant drugs in over 4,400 patients. The pooled analyses of placebo-controlled studies in adults with MDD or other psychiatric disorders included a total of 25 short-term studies (median duration of 2 months) of 11 antidepressant drugs in over 77,000 patients. There was considerable variation in risk of suicid treated) are provided in Table 1 of the full prescribing information. No succuss occurred in any or use pediatric studies. There were suicides in the adult studies, but the number was not sufficient to reach any conclusion about drug effect on suicide. It is unknown whether the suicidality risk extends to longer-term use, ie, beyond several months. However, there is substantial evidence from placebo-controlled maintenance studies in adults with depression that the use of antidepressants can delay the recurrence of depression. All patients being treated with antidepressants for any indication should be monitored appropriately and 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. The following symptoms, anxiety, 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 major depressive disorder as well as for other indications, both psychiatric and 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 persistantly 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 discontinuation of Pristigi, Families and caregivers of patients being treated with antidepressants for major depressive disorder o good patient management, in order to reduce the risk of overdose. <u>Screening patients for bipolar disorder</u>. A major depressive episode may be the initial presentation of bipolar disorder. It is generally believed (though not established in controlled studies) that treating such an episode with an antidepressant alone may increase the likelihood of precipitation of a mixed/manic episode in patients at risk for bipolar disorder. Whether any of the symptoms described above represent such a conversion is unknown. However, prior to initiating treatment with an antidepressant, patients with depressive symptoms should be adequately 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. It should be noted that Pristig is not approved for use in treating bipolar depression. Serotonin Syndrome or Neuroleptic Malignant Syndrome (NMS)-like reactions—The development of a potentially life-threatening serotonin syndrome or Neuroleptic Malignant Syndrome (NMS)-like reactions have been reported with SNRIs and SSRIs alone, including Pristig treatment, but particularly with concomitant use of serotoninergic drugs (including triptans), with drugs that impair metabolism of serotonin (including MAOIIs), or with antipsychotics or other dopamine antagonists. Serotonin syndrome symptoms may include mental status changes (eg. agitation, hallucinations, coma), autonomic instability (eg. tachycardia, labile blood pressure, hyperthermia), neuromuscular aberations (eg. hyperreflexia, incoordination) and/or gastrointestinal symptoms (eg. nausea, womiting, diarrhea). Serotonin syndrome in its most severe form can resemble neuroleptic malignant syndrome, which includes hyperthermia, muscle rigidity, autonomic instability with possible rapid fluctuation of vital signs, and mental status changes. Patients should be monitored for the emergence of serotonin syndrome or NMS-like signs and symptoms. The co

3 consecutive on-therapy visits. In clinical studies, regarding the proportion of patients with sustained hypertension, the following rates were observed: piacobo (0.5%), Pristig 50 mg (1.3%), Pristig 100 mg (1.7%), Pristig 20 mg (1.1%), and Pristig 40 mg (2.3%), Analyses of patients in Pristig controlled studies who met criteria for sustained hypertension revealed a dose-dependent increase in the proportion of patients who developed sustained hypertension. Ahormal Bleeding-SNRs and SNRis can increase the risk of bleeding events. Concomitant use of aspirin, other drugs that affect platelet function, norsteroidal anti-inflammatory drugs, warfarin, and other anticoagularists can add to this risk. Bleeding events feathed to SSRs and SNRis have ranged from ecotymosis, hematoma, epistaxis, and petechiae to moristeroidad anti-inflammatory drugs, warfarin, and other anticoagularists can add to this risk. Bleeding events related to SSRs and SNRis have ranged from ecotymosis, hematoma, epistaxis, and petechiae to moristeroidad anti-inflammatory drugs, spainin, or other drugs that affect oxagulation or bleeding. Narrow-angle Glaucoma-Mydriasis has been reported in association with resk of bleeding association with raised intraocular pressure or those at risk of acute nerrow-angle glaucoma family ecotosure symptoms; phase 2 and phase 3 studies, mainia was reported for approximately 0.1% of patients treated with Pristig, Activation of maniar/hypomania has also been reported in a small proportion of patients with aging affective disorder who were treated with other marketed antidepressants. A with all antidepressants, Pristig rational developments and the secondary of the patients with a history or family in patients with a recent history or more administration. The patients with a recent history or more administration proportion of patients with and antidepressants, Pristig the activation-dose replaced elevations in fasting serum total cholesterol, LDL (low-density ipoproten) proportion in the patients with a recent histor

should undergo a prompt medical evaluation, and discontinuation of Pristig should be considered.

ADVERSE REACTIONS: Clinical Studies Experience: The most commonly observed adverse reactions in Pristig-treated MDD patients in short-term fixed-dose studies (incidence ≥5% and at least twice the rate of placebo in the 50- or 100-mg dose groups) were nausea, dizziness, insomnia, hyperhidrosis, constipation, somnolence, decreased appetite, anxiety, and specific male sexual function disorders. Adverse reactions reported as reasons for discontinuation of treatment- The most common adverse reactions leading to discontinuation in at least 2% of the Pristig-treated patients in the short-term studies, up to 8 weeks, were nausea (4%); dizziness, headache and vomiting (2% each); in the long-term study, up to 9 months, the most common was vomiting (2%). Common adverse reactions in placebo-controlled (MDD studies-Table 3 in full Pl shows the incidence of common adverse reactions that occurred in ≥2% of Pristig-treated MDD patients at any dose in the 8-week, placebo-controlled, fixed-dose, premarketing clinical studies in nearest the adverse reactions were most frequent in the first week of treatment Cardiar se reactions leading to discontinuation in at least 2% of the Pristig-treated patients in the short-term studicy, by to 9 months, the most common was vorniting (2%). Common adverse reactions in placebo-controlled MDD studies—Table 3 in full PI shows the incidence of common adverse reactions in placebo-controlled MDD studies—Table as in full PI shows the incidence of common adverse reactions in placebo-controlled MDD studies. In general, the adverse reactions were most frequent in the first week of treatment. Cardiag clinical studies. In general, the adverse reactions were most frequent in the first week of treatment. Cardiag clinical studies. In general, the adverse reactions were most frequent in the first week of treatment. Cardiag clinical studies. In general disorders and administration site conditions: Fatigue, of Chills, Feeling littery, Asthemia; Metabolism and nutrition disorders: Decreased appetite, weight decreased. Nervous system disorders: Dizorders: Somnolence, Headache, Tremor, Paraesthesia, Disturbance in attention; Psychiatric Disorders: Insomnia, Arakiety, Nervousness, Irritability, Anormad Idreams; Benal and urrinary disorders: Urinary hesitation; Respiratory, thoracic, and mediastinal disorders: Yawning; Skin and subcutaneous tissue disorders: Hot flush. Sexual function adverse reactions flato course of sexual function adverse reactions that occurred in >2% of Pristiq-treated MDD patients in any fixed-dose group (6 week, placebo-controlled, fixed and flexible-dose, premarketing clinical studies). Men Only: Anorgasmia, Libido decreased, Orgasm abnormal, Ejaculation delayed, Erectile dysfunction, Ejaculation disorder; Ejaculation deverse reactions occurring at an incidence of <2% in MDD patients treated with Pristig were: Immune system disorders — Hypersensitivity. Investigations— Weight increased, liver function test abnormal; blood prolactin increased. Mervous system disorders— Comparation for patients from 1, 100 places occurred in the controlled studies. Some of these events conting at an i

controlled clinical studies with doses of 50-400 mg, systolic orthostatic hypotension (decrease ≥30 mm Hg from supine to standing position) occurred more frequently in patients ≥65 years of age receiving Pristiq (8,0%, 7/87) versus placebo (2,5%, 1/40), compared to patients <65 years of age receiving Pristiq (8,0%, 7/87) versus placebo (0.7%, 8/12,18). Adverse Reactions Identified During Post-Approval Use-The following adverse reaction has been identified during post-approval use of Pristiq. Because post-approval reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure: Skin and subcutaneous tissue disorders – Angioedema. DRUG INTERACTIONS: Central Nervous System (CNS)-Active Agents-The risk of using Pristiq in combination with other CNS-active drugs has not been systematically evaluated. Consequently, caution is advised when Pristiq is taken in combination with other CNS-active drugs [see Warnings and Precautions (5,1.3)]. Monoamine Oxidase Inhibitors (MAOIs)-Adverse reactions, some of which were serious, have been reported in patients who have recently been discontinued from a monoamine oxidase inhibitor (MAOI) and started on antidepressants with pharmacological properties similar to Pristiq (SNIBs or SSRIs), or who have recently had SNIR or SSRI therapy discontinued prior to initiation of an MAOI [see Contraindications (4,2)]. Serotonergic Drugs-Based on the mechanism of action of Pristiq and the potential for serotonin syndrome, cution is advised when Pristiq is coadministered with other drugs that may affect the serotonergic neurotransmitter systems [see Warnings and Precautions (5,2)]. Drugs that Interfere with Hemostasis (eg., NSAIDs, Aspirin, and Warfarin)-Serotonin release by platelets plays an important role in hemostasis. Epidemiological studies of case-control and cohort design have demonstrated an association between use of psychotropic drugs that interfere with seroton sozymes IA1, IA2, Zbb, Zbb, ZbB, ZbB, ZbB, and ZbB are not expected to nave significant impact on the pharmacokinetic profile of Pristiq. Potential for Desvenlataxine to Affect Other Drugs—Drugs metabolized by CYP2D6 (designamine). In vitro studies showed minimal inhibitory effect of desvenlataxine on CYP2D6 metabolism at the dose of 100 mg daily. Concomitant use of desvenlataxine with a drug metabolized by CYP2D6 can result in higher concentrations of that drug. Drugs metabolized by CYP3D4 (midzolam) of the VYP2D6 can result in injente concentrations of that drug. Drugs metabolized by CYP3D4 can result in lower exposures to that drug. Drugs metabolized by CYP3D4 can result in lower exposures to that drug. Drugs metabolized by CYP3D4 can result in lower exposures to that drug. Drugs metabolized by CYP3D4 can desvenlafaxine is not a substrate or an inhibitor for the P-glycoprotein transporter. In vitro, desvenlafaxine is not a substrate or an inhibitor for the P-glycoprotein transporter. In vitro, desvenlafaxine is not a substrate or an inhibitor for the P-glycoprotein transporter. The pharmacokinetics of Pristiq are unlikely to affect the pharmacokinetics of drugs that are substrates of the P-glycoprotein transporter. Electroconvulsive Therapy—There are no clinical data establishing the risks and/or benefits of electroconvulsive therapy combined with Pristiq treatment. Electroconvulsive Therapy—There are no adequate and well-controlled studies of Pristiq in pregnant women. Therefore, Pristiq should be used during pregnant or intend to become pregnant during therapy. Eratogenic effects.—Pregnancy Categony C-There are no adequate and well-controlled studies of Pristiq in pregnant women. Therefore, Pristiq should be used during pregnancy only if the potential benefits justify the potential risks. Nucl-teraponic effects. Neonates exposed to SMRIs (Sertotonin and Norepinephrine Reuptake Inhibitors), or SSRIs (Selective Sertotonin Reuptake Inhibitors), and the proper pristiq province of the drug to the potential brow

recommended dose in patients with hepatic impairment is 50 mg/day. Dose escalation above 100 mg/day is not recommended [see Clinical Pharmacology (12.6)].

OVERDOSAGE: Human Experience with Overdosage—There is limited clinical experience with desvenlafaxine succinate overdosage in humans. In premarketing clinical studies, no cases of fatal acute overdose of desvenlafaxine were reported. The adverse reactions reported within 5 days of an overdose >600 mg that were possibly related to Pristiq included headache, vomiting, agitation, dizziness, nausea, constipation, diarrhea, dry mouth, paresthesia, and tachycardia. Desvenlafaxine (Phistiq) is the major active metabolite of venlafaxine. Overdose experience reported with venlafaxine (the parent drug of Pristiq) is presented below; the identical information can be found in the Overdosage section of the venlafaxine package insert. In postmarketing experience, overdose with venlafaxine (the parent drug of Pristiq) is presented below; the identical information can be found in the Overdosage section of the venlafaxine package insert. In postmarketing experience, overdose with venlafaxine (the parent drug of Pristiq) has occured predominantly in combination with alcohol and/or other drugs. The most commonly reported events in overdosage include tachycardia, changes in level of consciousness (ranging from somnolence to coma), mydriasis, serizures, and vomiting. Electrocardiogram changes (eg, prolongation of 0T interval, bundle branch block, QRS prolongation), sinus and venticular tachycardia, bradycardia, hypotension, rhabdormyolysis, vertigo, liver necrosis, serotionis syndrome, and death have been reported. Published retrospective studies report that venlafaxine overdosage may be associated with an increased risk of fatal outcomes compared to that observed with SSRI antidiperessant products, but lower than that for tricyclic antidepressants. Epidemiological studies have shown that venlafaxine-treated patients have a higher pre-existing burden of suicide risk factors than This brief summary is based on Pristiq Prescribing Information W10529C009, revised Septemb

261837-01 © 2009 Pfizer Inc. All rights reserved. December 2009

