Psych Admissions for Kids Doubled in 1996-2007

BY MITCHEL L. ZOLER

FROM THE ANNUAL MEETING OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PYSCHIATRY

NEW YORK – During the period 1996-2007, hospitalization rates for psychiatric disorders among American children aged 5-13 years rose dramatically, nearly doubling during that period.

Concurrently, psychiatric hospitalizations for U.S. adolescents (aged 14-19 years) also rose substantially, by 42%. During the same period, psychiatric hospitalizations rose modestly (by 8%) for adults aged 20-64 years, whereas psychiatric hospitalizations for Americans aged 65 or older fell dramatically, Joseph C.

Major Finding: In 1996-2007, hospitalizations for primary psychiatric diagnoses in children aged 5-13 years jumped from 15.6 per 10,000 population to 28.3. In the same period, hospitalization rates rose by 42% in adolescents aged 14-19 and 8% for adults aged 20-64.

Data Source: Representative, nationwide database maintained by the Centers for Disease Control and Prevention.

Disclosures: Dr. Blader had no disclosures.

Blader, Ph.D., said while presenting a poster at the meeting.

The reasons behind these changes and their implications remain unclear, said Dr. Blader of the State University of New York at Stony Brook, but the shifts in hospitalization rates – especially the larger such shifts among children and adolescents – raise concerns that demand further analysis.

"It's not a good thing" that substantially more children and adolescents require hospitalization for psychiatric diagnoses, Dr. Blader said in an interview. The shifts "represent a significant development in mental health treatment in the United States," he said in the poster.

The data Dr. Blader analyzed came

from the Centers for Disease Control and Prevention's National Hospital Discharge Survey and also showed that in 1996-2007, payment for the psychiatric hospitalizations underwent a significant shift away from private insurance coverage and toward an increased share of the hospitalizations paid for by government agencies, most typically Medicaid.

According to Dr. Blader, the

questions now are, Does the rise in hospitalizations result from "problems in the level of services provided by community care," and has "more cost shifting" of patients into Medicaid from private insurance led to or resulted from the rise in hospitalizations?

"Beneficiaries of publicly funded inpatient care may have become disproportionately vulnerable to psychiatric emergencies," or perhaps the effect "indicates better outpa-

tient care among the privately insured," he said in his poster. "In many states, privately insured patients with extended psychiatric hospitalizations become eligible for Medicaid coverage."

He noted that during the period studied, the psychiatric field made a diagnostic shift: More children who engage in injurious behavior are being labeled with bipolar disorder. He also speculated that the increasingly complex polypharmacy treatment of psychiatric patients, including children, might be a factor boosting hospitalizations.

In 1996-2007, the rate of hospitalization for a primary diagnosis of a psychiatric disorder in children aged 5-13 years rose from 15.6 per 10,000 U.S. residents to 28.3. In adolescents aged 14-19 years, the rate rose from 68.4 per 10,000 to 96.9,

The shifts 'represent a significant development in mental health treatment in the United States.'

DR. BLADER

while in those aged 20-64 years, the rate increased from 92.1 per 10,000 to 99.1. All of the changes were statistically significant. Dr. Blader's poster did not report rates for patients aged 65 or older, but in his

analysis, this number fell "dramatically" from 1996 to 2007, he said.

During the period studied, private insurance coverage of these psychiatric hospitalizations among children fell from 36% of cases to 23%, while government-based sources of payment rose from 63% of cases to 71%. Among adolescents, private payment fell from 52% of cases to 22% while government coverage rose from 44% to 62%. Among adults, private coverage fell from 36% to 23%, while government coverage was flat, at 58% in 1996 and 59% in 2007.

LAW & MEDICINE

Contributory Negligence

Question: Patient underwent uneventful varicocelectomy and was warned not to get out of bed. However, instead of using the bedpan as instructed, he walked to the bathroom, fell off the toilet seat, and injured his groin. The doctor did not examine him until several days later and

found a large scrotal hematoma. The patient eventually developed testicular atrophy. Expert testimony apportioned 40% of the damage to the fall, and 60% to the doctor's delay in diagnosis and evacuating the hematoma. In a lawsuit for medical malpractice, which of the following choices is best?

A. This is a case of contributory negligence.

B. This is a case of assumption of risk.

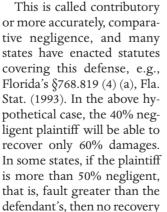
C. Damages are to be reduced by 40%.

D. A and B are correct.

E. A and C are correct.

Answer: E. To win a malpractice lawsuit, the plaintiff must prove, with a preponderance of evidence, the four elements of negligence: duty, breach, causation, and damages. However, the law allows for affirmative defenses that can defeat, in whole or in part, a malpractice action even if the evidence satisfies all four elements. One of these affirmative defenses is contributory negligence, which requires the claimant to be partly at fault. At common law, any degree of negligence on the part of the plaintiff con-

stituted a complete defense. This was felt to be overly harsh to the victim who may have been only slightly careless, so the law gradually changed to where the amount of damages is proportionately reduced by the percentage of plaintiff's negligence.



is allowed. In a few jurisdictions (five at last count), strict contributory rather than comparative negligence still remains the law.

TAN. M.D.

Assumption of risk is a complete bar to recovery and requires both full knowledge of risk and manifest consent on the part of the claimant. The facts in this case are insufficient to sustain this defense. Assumption of risk is commonly invoked as a defense in sports injuries, but rarely in medical malpractice.

In order for the defense to successfully plead contributory negligence, there must be a showing that the plaintiff had acted without reasonable regard for his or her own safety. In a Florida case of

thrombophlebitis that developed following a fracture, the patient omitted her physical therapy, failed to elevate her legs, continued smoking, and remained inactive in bed for several days, all against medical advice. The jury found the claimant 45% comparatively negligent, which was upheld on appeal.

However, the defense of contributory negligence is not always successful. In Weil v. Seltzer, the patient was treated for many years with steroids that his doctor represented to be antihistamines. He developed steroid complications, and died suddenly at age 54 years from a saddle block pulmonary embolus that contained bone marrow fragments, thought to have originated from steroid-induced osteoporotic bones. The court dismissed the defense of contributory negligence, as there was insufficient evidence to show that the patient knew he was taking steroids and could not have reasonably informed his other treating physicians of this fact.

In a case of missed diagnosis of popliteal artery laceration, a court refused to instruct the jury regarding contributory negligence where the patient did not receive specific instructions regarding an earlier return to the emergency room and it was questionable whether an earlier return would have made a difference. And in *Gray v. Brock*, the Missouri Court of Appeals reversed a lower court's judgment of 82% con-

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tributory negligence after finding no evidence that the plaintiff had actual knowledge that his diabetes was out of control or that it contributed to his death.

Contributory negligence, which speaks to plaintiff fault, should be differentiated from "loss of a chance," where defendant's act or omission deprived plaintiff of an opportunity of avoiding or reducing resultant injury. The former is a defense argument, and the latter, a plaintiff argument. Contributory negligence translates into a proportionate reduction in damages. On the other hand, some jurisdictions require the underlying risk in "loss of a chance" cases to be over 50% to begin with, and/or may require the lost chance to itself increase the risk by greater than 50% before allowing any recovery.

Claimant's negligence must be a cause of, not merely incidental to, the sustained injury. For example, a negligent rider on a traxcavator who was injured after being struck from behind by the careless driver of a dumper truck was found to be contributorily negligent. However, the court pointed out that contributory negligence would not have been a defense had he been injured instead by an incidental stray shot from a negligent sportsman.

In a recent Tennessee case, a patient sustained a cardiac arrest because of negligent monitoring during a CT scan. His antecedent negligence stemmed from the fact that he had alcohol in his blood upon arrival at the hospital following a car accident. The state Supreme Court found the hospital 100% liable and disallowed the jury's assessment of 30% comparative fault, holding that "principles of comparative fault did not apply such as

to allow fault to be assessed to patient, and thus jury should not have been allowed to consider patient's antecedent negligence in assessing fault."

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." For more information, readers may contact the author at siang@hawaii.edu.



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

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 whould be monitored appropriately and observed closely for orders are memserves associated with increases in the risk of suicide, Patients of all ages who started on antidepressant therapy should be monitored appropriately and observed closely for ical worsening, suicidality, or unusual changes in behavior. Families and caregivers should be ised of the need for close observation and communication with the prescriber. Pristig is not roved for use in pediatric patients [see Warnings and Precautions (5.1), Use in Specific pulations (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).

CONTRAINDICATIONS: Hypersensitivity-Hypersensitivity to desvenlafaxine succinate, venlafaxine hydrochloride or to any excipents 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 desvendafaxine, 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].

hydocolionide or to any excipents in the Pristia formulation. Monoamine Diddse inhibitors-Pristia must be used concentrative with a constructive control of the Control of

3 consecutive on-therapy visits. In clinical studies, regarding the proportion of patients with sustained hypertension, the following rates were observed: placebo (0.5%), Pristiq 50 mg (1.3%), Pristiq 100 mg (2.7%), Pristiq 200 mg (1.1%), and Pristiq 400 mg (2.3%). Analyses of patients in Pristiq controlled studies who met criteria for sustained hypertension revealed a dose-dependent increase in the proportion of patients who developed sustained hypertension revealed a dose-dependent increase in the proportion of patients who developed sustained hypertension. Ahommal Bleeding-SSRIs and SNRIs can increase the risk of bleeding events. Concomitant use of aspirin, other drugs that affect platelet function, nonsteroidal anti-inflammatory drugs, warfarin, and other anticoagulants can add to this risk. Bleeding events related to SSRIs and SNRIs have ranged from ectymosis, hematoma, epistaxis, and petechiae to life-threatening hemorrhages. Patients should be cautioned about the risk of bleeding associated with the concomitant use of Pristiq and NSAIDs, aspirin, or other drugs that affect coagulation or bleeding. Narrow-angle Glaucoma-Mydriasis has been reported in association with Pristiq; therefore, patients with raised intraocular pressure or those at risk of acute narrow-angle glaucoma (angle-closure glaucoma) should be monitored. Activation of Mania/Hypomania-During all MDD and VMS (vasomotor symptoms) has 22 and phase 3 studies, mania was reported for approximately 0.1% of patients treated with Pristiq, Activation of mania/hypomania has also been reported in a small proportion of patients with misting or affective disorder who were treated with other marketed antidepressants. As with all antidepressants, Pristiq should be used cautiously in patients with a patients with a research with cardiovascular, Cerebrovascular Disease-Caution is advised in administering Pristiq to patients with cardiovascular, develorvascular prisease-Caution is advised in administering Pristiq to patients with cardiovascular disease, evere Elevation-Dose-related elevations in fasting serum total cholesterol, LDL (low-density lipoprotein) cholesterol, and triglyceroles were observed in the controlled studies. Measurement of serum lipids should be considered during treatment with Pristiq [see Adverse Reactions (6.1]. Discontinuation of Treatment with Pristiq olicinal studies in major depressive disorder. Abrupt discontinuation or dose reduction has been associated with the appearance of new symptoms that include dizziness, nausea, headache, irritability, insomnia, diarrhea, anxiety, fatigue, abnormal derams, and hyperhidrosis. In general, discontinuation events occurred more frequently with longer duration of therapy. During marketing of SNRIs (Serotonin and Norepinephrine Reuptake Inhibitors) and SSRIs (Selective Serotonin Reuptake Inhibitors), there have been spontaneous reports of adverse events occurring upon discontinuation of these drugs, particularly when abrupt, including the following: dysphoric mood, irritability, agitation, dizziness, sensory disturbances (eg. paresthesia, such as electric shock sensations), anxiety, confusion, headache, lethargy, emotional lability, insomnia, hypomania, tinnitus, and seizures. While these events are generally self-limiting, there have been reports of serious discontinuation symptoms. Patients should be monitored for these symptoms when discontinuing treatment with Pristiq. A gradual reduction in the dose rather than abrupt cessation is recommended whenever possible. If intolerable symptoms occur following a decrease in the dose or upon discontinuation of treatment, then resuming the previously prescribed dose may be considered. Subsequently, the physician may continue decreasing the dose, but at a more gradual rate [see Dosage and Administration (2.4) and Adverse Reactions (6.1) in full prescribing information, Benal Impairment or ESRD. The doses should not be escalated in patients with moderate or severe renal impairment or end-stage renal disease (ESRD) the clearance of Pristiq was decreased, thus pro

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

ADVERSE REACTIONS: Clinical Studies Experience: The most commonly observed adverse reactions in Pristiq-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 Pristiq-treated patients in the short-term studies, up to 8 weeks, were nausea (4%); dizziness, headacte and vomiting (2% each); in the long-term study, up to 9 months, the most common was vomiting (2%). Common adverse reactions that occurred in ≥50 MDD studies. Table 3 in full Pl shows the incidence of common adverse reactions that occurred in ≥50 MDD studies. Table 3 in full Pl shows the incidence of common adverse reactions that occurred in ≥50 MDD studies in opening the adverse reactions were most frequent in the first week of treatment. Cardial clinical studies in opening the adverse reactions were most frequent in the first week of treatment. Cardial sereactions leading to discontinuation in at least 2% of the Pristiq-treated patients in the short-term studies, up to 8 weeks, were nause at 4%), dizziness, headache and vomiting (2% each); in the long-term study, so up to 9 months, the most common was vomiting (2%). Common adverse reactions in placebo-controlled MDD studies—Table 3 in full PI shows the incidence of common adverse reactions in courred in 26%, of Pristiq-treated MDD patients at any dose in the 8-week, placebo-controlled, fixed-dose, premarketing clinical studies. In general, the adverse reactions were most frequent in the first week of treatment. Cardiac disorders—Palpitations, Tachycardia, Blood pressure increased; Gastrointestinal disorders: Nausea, Dryd mouth, Diarrhea, Constipation, Vomiting; General disorders and administration site conditions: Fatigue, Chillis, Feeling littery, Asthenia; Metabolism and nutrition disorders: Decreased appetite, weight decreased. Nervous. system. disorders: Dizziness, Somnolence, Headache, Tremor, Paraesthesia, Disturbance in attention: Psychiatric Disorders: Informatical Arxiety, Nervousness, Irriability, Anonrand dreams; Benal and urrinary disorders: Urinary hesitation; Bespiratory, thoracic, and mediastinal disorders: Yawning; Skin and subclaneous tissue disorders: Not flush, Sexual function adverse reactions and urinary disorders: Virinary hesitation; Respiratory, thoracic, and mediastinal disorders: Yawning; Skin and subclaneous tissue disorders; Hot flush, Sexual function adverse reactions of sexual function adverse reactions that occurred in 22% of Pristiq-treated MDD patients in any fixed-dose group G-week, placebo-controlled, fixed and flexible-dose, premarketing clinical studies. Men Only: Anorgasmia, Libido decreased, Orgasm abnormal, Ejaculation faluer, deverse reactions occurring at an incidence of Sexual function adverse reactions with a fixed and flexible-dose, premarketing clinical studies. Men Only: Anorgasmia; Other Department of the propertion of the propertion of the pristiq disorders— We

apply Such as contact the author at siang@hawaii.edu.

controlled clinical studies with doese of 50-400 mg, systolic orthostatic hypotension (decrease ≥30 mm Hg from sapine to standing position) cocurred more frequently in patients ≥55 years of age receiving Pristiq (0.9%, 778) reversa placeto (1.7%, 10.7 ≥10; Affecese Reactions destribled huming freat-Agricuate (1.9%, 10.7%) explained (1.7%, 10.7 ≥10; Affecese Reactions destribled huming freat-Agricuate (1.9%, 10.7%) explained (1.7%, 10.7 ≥10; Affecese Reactions destribled huming freat-Agricuate (1.7%) explained (1.7%) explai

neganic impairment to 13 and 14 nours in moderate and severe repairs impairment, respectively. In 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 desvenlataxine succinate overdosage in humans. In premarketing clinical studies, no cases of fatal acute overdose of desvenlataxine were reported. The adverse reactions reported within 5 days of an overdose 5600 mg that were possibly related to Pristiq included headache, vomiting, agitation, dizniense, nausea, constipation, diarritea, dry mouth, paresthesia, and tachycardia. Desvenlataxine (Pristiq) is the major active metabolite of venlataxine. Overdose experience reported with venlataxine (the parent drug of Pristiq) is presented below; the identical information can be found in the Overdosage section of the venlataxine package insert. In postmarketing experience, overdose with venlataxine (the parent drug of Pristiq) has occurred 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, seizures, and vomiting. Electrocardiogram changes (eg, prolongation of OT interval, bundle branch block, QRS prolongation), sinus and ventricular tachycardia, bradycardia, hypotension, rhabdomyolysis, vertigo, liver necrosis, serotonin syndrome, and death have been reported risk of fatal outcomes companed to that observed with SSRI antidepressant products, but lower than that for tricyclic antidepressants. Epidemiological studies have shown that venlafaxine-treated patients, The extent to which the finding of an increased risk of fatal outcomes companed to that observed with SSRI antidepressant products, but lower than that for tricyclic antidepressants. Epidemiological studies have shown that venlafaxine-treated patients, in extent to which This brief summary is based on Pristig Prescribing Information W10529C009, revised September 2009.

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