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Opioid Titration in Dying Confounds Nurses

BY PATRICE WENDLING

AUSTIN, TEX. — A survey of nurses suggests that they might have a knowledge gap regarding the use of opioids at the end of their patients' lives.

Among 181 nurses surveyed at three urban Midwestern medical centers, 65% reported being confident in their ability to titrate a continuous opioid infusion to manage a dying patient's symptoms. De-

spite that, many nurses incorrectly answered three of four questions designed to test their knowledge of specific opioid practices, researcher Margaret Barnett reported at the annual meeting of the American Academy of Hospice and Palliative Medicine. Most respondents knew the appropriate starting dose for a continuous morphine infusion in a patient admitted with severe pain that was uncontrolled with Percocet (oxycodone with aceta-

minophen). But they struggled to identify the correct morphine dose for a patient whose pain scores remained unchanged after receiving an intravenous morphine bolus, said Ms. Barnett, an advanced clinical nurse palliative care specialist at University of Kansas Medical Center, Kansas City. Most nurses also failed to identify how many hours it would take a patient to reach a steady state after the continuous infusion of morphine was increased

or how long to wait between giving intravenous boluses.

The respondents had an average of 13 years of registered nursing experience, 61% had a bachelor of science in nursing or a higher degree, and 58% had cared for a patient requiring opioid titration in the past year.

The author disclosed no conflicts. The Nursing Honor Society, Sigma Theta Tau International, supported the study.



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

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Antidepressants increased the risk compared to placebo of suicidal thinking and behavis

(suicidality) in children, adolescents, and young adults in short-term studies of Major Depressis

Disorder (MDD) and other psychiatric disorders. Anyone considering the use of Pristig or any oth

antidepressant in a child, adolescent, or young adult must balance this risk with the clinical nee

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conserved to alleades in other behavior and all there are sequenced to alleades in which the behavior and the property of the content of the property of the content of the co 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. Pristig is not approved for use in pediatric patients [see Warnings and Precautions (5.1), Use in Specific Psychological Internation (2.1) in the full prescribing internation. approved for use in pediatric patients [see Warnings and Precautions (5.1), Use in Specif 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).

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CONTRAINDICATIONS: Hypersensitivity-Hypersensitivity to desvenlafaxine succinate, venlafaxine hydrochloride or to any excipients in the Pristiq formulation. Monoamine Oxidase Inhibitors-Pristiq mus hydrochloride or to any excipients in the Pristiq formulation. **Monoamine Oxidase Inhibitors-**Pristiq must not be used concomitantly in patients taking monoamine oxidase inhibitors (Molds) or in patients who have taken MAOIs within the preceding 14 days due to the risk of serious, sometimes fatal, drug interactions the 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].

pays should be allowed after stopping Prisal pelore starting an MAU (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 in critarian pattents 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 suicidalithinking and behavior (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 placebo in adults adults depend age 24; there was a reduction with antidepressant or to a total of 24 short-term studies of 9 antidepressant drugs in over 77,000 patients. 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 in adults with MDD or other psychiatric disorders included a total of 25 short-term studies in adults with MDD or other psychiatric disorders included a total of 25 short-term studies in adults with MDD or other psychiatric disorders included a total of 25 preduction with antidepressants compared to placebo in adults aged to a not der. The pooled analyses of placebo-controlled studies in children and adolescents with MDI, obsessive-complisive disorder (IOCD), 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 MDI or other psychiatric disorders included a total of 225 short-term studies (median duration of 2 months) of 1 antidepressant drugs in over 7,000 patients. There was considerable variation in risk of suicidality among drugs, but a tendency toward an increase in the younger patients for almost all drugs studied. These well-differences (drug via placebo), however, were relatively stable within age stricts and across indications. These risk differences (drug via placebo), however, were relatively stable within age stricts and across indications. These risk differences (drug-placebo difference in the number of cases of suicidality per 1000 patients retael) are provided in Table 1 of the full prescribing information. No sucides occurred in any of the pediatric studies. There were suicides in the adult studies, but the number was not sufficient to reach any conclusions 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 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, anxely, agitation, panic attacks, unsomnia, irritability, hostility, aggressiveness, impulsivity, akathisia glosychomotor restlessness, hypomania, and mania, have been reported in adult and pediatric patients being treated with antidepressants for major depressive disorder are well as for other indications, or hip provid

3 consecutive on-therapy visits. In clinical studies, regarding the proportion of patients with sustained hypertension, the following rates were observed: placebo (0.5%), Pristig 50 mg (1.3%), Pristig 100 mg (1.7%), and Pristig 40 mg (2.3%), Analyses of patients in Pristig controlled studies who met criteria for sustained hypertension, honormal Bleeding-1 in Pristig controlled studies who met criteria for sustained hypertension. Annormal Bleeding-1 in Pristig controlled studies who met criteria for sustained hypertension. Annormal Bleeding-1 in Pristig controlled studies who met criteria for sustained hypertension. Annormal Bleeding-1 of this proportion of patients who developed sustained hypertension. Annormal Bleeding-1 of this risk. Bleeding events concernating the proportion of patients that affect platelet function, nonsteroidal anti-inflammatory drugs, warfarin, and other anticoaquiants can add to this risk. Bleeding events related to SSRIs and SNRIs have ranged from ecchymosis, hemanina, epistaxis, and petechiae to make related to SSRIs and SNRIs have ranged from ecchymosis, hemanina, epistaxis, and petechiae to make a proportion and proportion of patients and proportion of patients with raised intraocular pressure or those at risk of acute narrow-angle Glaucomory symptoms phase 2 and phase 3 studies, mania was reported for approximately 0.1% of patients treated with Pristig, Activation of mania/hypomania has also been reported in a small proportion of patients with a main and proportion of patients with a patient with a patient with a patient with a record history of myocardial infarction, unstable heard disease, were exceeded from proportion of patients with pristig proportion and proportion a

Interstitial lung disease and eosinophilic pneumonia associated with veniafaxine (the parent drug of Pristig) therapy have been rarely reported. The possibility of these adverse events should be considered in patients should with Pristig who present with progressive dyspnea, cough, or chest discomfort. Such patients should with Pristig who present with progressive dyspnea, cough, or chest discomfort. Such patients 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, 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 months, the most common was vomiting (2%). Common adverse reactions in placebo-controlled MDD studies. Table 3 in full Ps 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. Cardiac discorders: Palpitations, Tachycardia, Blood pressure increased; Gastrointestinal disorders: Nausea, Dry mouth, Diamena, Constipation, Vomiting, General disorders and administration site conditions. Fatigue, Chilis, Feeling jittery, Asthenia; Metabolism and nutrition disorders: Poscreased appetite, weight decreased, Nervous system disorders: Hyperhidrosis, Rash; Special Senses; Vision blurred; Mydriasis, Tinnitus, Dysgeusia; Vascular Disorders: Hyperhidrosis, Rash; Special Senses; Vision blurred; Mydriasis, Tinnitus, Dysgeusia; Vascular Disorders: Hyperhidrosis, Rash; Special Senses; Vision blurred; Mydriasis, Tinnitus, Dysgeusia; Vascular Disorders: Hyperhidrosis, Rash; Special Senses; Vision blurred; Mydriasis, Tinnitus, Dysgeusia; Vascular Disorders: Hyperhidrosis, Rash; Special Sens

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%, 8/1,218). 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 (5.13)]. Monoamine Oxidase Inhibitors (MAOIs)-Adverse reactions, some of which were serious, have been reported in patients who have recently ben discontinued from a monoamine oxidase inhibitor (MAOI) and started on antidepressants with pharmacological properties similar to Pristiq (SNRIs or SSRIs), or who have recently had SNRI or SSRI therapy discontinued prior to initiation of an MAOI [see Contraindications (4.2]]. Serotonergic Drugs-Based on the mechanism of active of Pristiq and the potential free serotonergic neurotrasmitter systems when Pristiq is coadministered with other drugs that may affect the serotonergic neurotrasmitter systems CNS-active drugs [see Warnings and Precautions (5.13), Monoamine Dxidase Inhibitors (MADIs) Adverser reactions, some of which were senous, have been reported in patents who have recently been discontinued from a monoamine oxidase inhibitor (MADI) and started on antidepressants with paramacological properties similar to Pristig (SNIR) or SSRIs), and who have recently head SNIR or SSRIs, and started on antidepressants with paramacological properties similar to Pristig (SNIR) or SSRIs, and the potential for secretorial syndrome, caution is advised seased on the mechanism of action of Pristig and the potential for secretorial syndrome, caution is advised seased on the mechanism of action of Pristig and the potential for secretorial syndrome, caution is advised as the control of the SNIR of S

approximately 10 nours in neamy subjects and subjects with mild nepatic impairment to 13 and 14 hours in moderate and severe hepatic impairment, respectively. No adjustment in starting dosage is necessary for patients with hepatic impairment.

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 desvenlafaxine were reported. The adverse reactions reported within 5 days of an overdose >600 mg that were possibly related to Pristig included headache, vomiting, agitation, dizziness, nausea, constipation, diarrhea, dry mouth, paresthesia, and tachycardia. Desvenlafaxine (Pristig) is the major active metabolite of venlafaxine. Overdose experience reported with venlafaxine (the parent drug of Pristig) 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 Pristig) 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 Pristig) 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), mydraiss, seizures, and vomiting. Electrocardiogram changes (eg. prolongation of 07 interval, bundle branch block, QRS prolongation), sinus and ventricular tachycardia, bradycardia, hypotension, rhabdomyolysis, vertigo, liver necrosis, serotonin syndrome, and death have been reported. Published retrospective studies report that venlafaxine overdosage may be associated with an increased risk of fatal outcomes can be attributed to the toxicity of venlafaxine in overdosage, as opposed to some characteristic of static attributed to the toxicity of venlafaxine in over

This brief summary is based on Pristiq Prescribing Information W10529C004, revised February 2009