CMS Unlikely to Cover Genetic Warfarin Test

BY ALICIA AULT

There is not enough evidence to support coverage of pharmacogenomic testing that predicts a patient's response to warfarin, the Centers for Medicare and Medicaid Services said.

The testing can be covered if it is part of a prospective, randomized trial that meets certain criteria proposed by the agency, the CMS said. The study should determine whether the test can predict the frequency and severity of hemorrhage, thromboembolism related to the primary indication for anticoagulation, other thromboembolic events, and mortality, the agency noted. And any trial should determine whether the results are generalizable to the Medicare population.

There are a number of lab tests already approved by the FDA, and many labs offer so-called "home-brew" tests. Although there is evidence that these tests accurately identify people with certain gene variants that may heighten their responsiveness to warfarin, there is no direct evidence of any improvement in health as a result, the agency said.

In February, a Medicare Evidence Development and Coverage Advisory Committee determined that there were not enough data to support national coverage of the testing.

The CMS said trials may show genetic testing to be of benefit. "The ability to more effectively treat or prevent blood thrombosis and avoid the risk of hemorrhage due to overanticoagulation by guiding warfarin dosing based on genetic testing results would be a worthwhile potential benefit for the numerous Medicare beneficiaries, perhaps exceeding 1 million annually, who are initiating anticoagulant therapy," the agency noted. ■



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 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).

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CONTRAINDICATIONS: Hypersensitivity-Hypersensitivity to desvenlafaxine succinate, venlafaxine hydrochloride or to any excipients in the Pristiq formulation. Monoamine Oxidase Inhibitors-Pristiq must not bused 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 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].

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WARNINGS AND PRECAUTIONS: Clinical Worsening and Suicide Risk-Patients with major depressive existing of their depression and or the emergence of suicidal interaction (procession). The second of the second of the emergence of suicidal procession and certain other psychiatric discorders, and these disorders with the procession and certain other psychiatric disorders, and these disorders themselves are the strongest predictors of suicide. There has been along-standing concern, however, that antidepressants may have are die in inducing worsening of depression and the emergence of suicidally in certain patients during the early phases of treatment. Protled analyses of short-term placebo-controlled thinking and behavior suicidality in critain safeties, addiscounts, and the service of suicidal thinking and behavior suicidality in critain safeties, addiscounts, and the service of suicidal thinking and behavior suicidality in critains, addiscounts, and the service of suicidal thinking and behavior suicidality in critains, addiscounts, and the service of suicidal thinking and behavior suicidality in critains, addiscounts, and the service of suicidal thinking and behavior suicidality in critains, addiscounts in the six of suicidality with antidepressants compared to placebo on trolled studies in adults beyond age 24. There was a reduction with antidepressants compared to placebo on trolled studies in adults beyond age 24. There was a reduction with antidepressant sound to the service of suicidality across the different services of suicidality across the different services of suicidality across the different services of suicidality across the services of suicidal WARNINGS AND PRECAUTIONS: Clinical Worsening and Suicide Risk-Patients with major depressive

accreasedative on-therapy visits. In clinical studies, regarding the proportion of patients with substained hypotenison. The following rates were observed pacino to 25-56, Pristing 50 min (1.5%). Pristing 100 min of the proportion of the control of the proportion of the control of the contr

d from supine to standing position) occurred more frequently in patients ≥65 years of age receiving Pristiq (8.0%, 787) versus placebo (2.5%, 1/40), compared to patients <65 years of age receiving Pristiq (9.9%, 18/19,39) versus placebo (0.7%, 81,218). 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)-Active drugs [see Warnings and Precautions (5.13)]. Monoamine Oxidase Inhibitors (MAOIs)-Active drugs [see Warnings and Precautions (5.13)]. Monoamine Oxidase Inhibitors (MAOIs)-Active drugs [see Warnings and Precautions oxidase inhibitor (MAOI) and started on antidepressants with pharmacological properties similar to Pristiq (SNRIs or SSRIs), or who have recently had SNRI or SSRI berapy 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, caution 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 serotonin reuptake and the occurrence of upper gastrointestinal bleeding. These studies have also shown that concurrent use of an NSAID or aspirin may potentiate this risk of bleeding. Altered anticagulant effects, including increased bleeding, have been reported when SSRIs and SNRIs are coadministered with warfarin. Patients receiving warfarin thrapy should be carefully monitored when Pristiq is initiated or discontinued in pregnant women. Ineretore, Pristig should be used during pregnancy only if the potential benefits justify the potential risks. Non-teratogenic effects. Neonates exposed to SNRIs (Serotonin and Norepinephrine Reuptake Inhibitors), late in the third trimester have developed complications requiring prolonged hospitalization, respiratory support, and tube feeding. Such complications can arise immediately upon delivery. Reported clinical findings have included respiratory distress, cyanosis, apnea, seizures, temperature instability, feeding difficulty, vomiting, hypoglycemia, hypotonia, hyperfloxia, hyperfloxia, hyperfloxia, hyperfloxia, thereon, jitteriness, irraibality, and constant crying. These features are consistent with either a direct toxic effect of SSRIs and SNRIs or, possibly, a drug discontinuation syndrome. It should be noted that, in some cases, the clinical picture is consistent with serotonia syndrome (see Warnings and Precautions (5.2)). When treating a pregnant woman with Pristig during the third trimester, the physician should carefully consider the potential risks and benefits of treatment [see Dosage and Administration (2.2)]. Labor and Delivery—The effect of Pristig on labor and delivery in humans is unknown. Pristig should be used during labor and delivery only if the potential benefits justify the potential risks. Nursing Mothers—Desvenlatavine (0-desmethylvenlatavine) is excreted in human milk. Because of the potential for serious adverse reactions in nursing infants from Pristig, a decision should be made whether or not to discontinue hursing or to discontinue the drug, taking into account the importance of the drug to the mother. Only administer Pristig to breastfeeding women if the expected benefits outweigh any possible risk. Pediatric Use—Safety and effectiveness in the pediatric population have not been stabilished [see Box Warnings and Warnings and Precautions (5.1)]. Province considering the use of Pristig in a child or adolescent must balance the potential risks with the clinical

or patients with hepatic impairment.

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 (Pristiq) is the major acuse, constipation, diarrhea, dry mouth, paresthesia, and tachycardia. Desvenlafaxine (Pristiq) is the major acuse, and the overdosage section of the venlafaxine presented below, the identical information can be found in the Overdosage section of the venlafaxine 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 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 vomitting. Electrocardiogram changes (eg, prolongation of OT interval, bundle branch block, QRS prolongation), sinus and ventricular tachycardia, bradycardia, phypotension, habdomyolysis, 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 compared to that observed with SSRI antidepressant products, but lower than that for tricyclic antidepressants. Epidemiological studies have shown that venlafaxine-treated patients have a higher preretrospective studies report in at venilarianie overlosagie may be associated with an increased risk of italia outcomes compared to that observed with SSRI antidepressant products, but lower than that for tricyclic antidepressants. Epidemiological studies have shown that venilariane-reated patients have a higher pre-existing burden of suicide risk factors than SSRI-treated patients. The extent to which the finding or an increased risk of fatal outcomes can be attributed to the toxicity of venilariane in overdosage, as opposed to some characteristic(s) of venilariane-treated patients, is not clear. Prescriptions for Pristiq should be written for the smallest quantity of tablets consistent with good patient management, in order to reduce the risk of overdose. Management of Overdosage-Treatment should consist of those general measures employed in the management of overdosage with any SSRI/SNIR. Insure an adequate airway, oxygenation, and ventilation. Monitor cardiac rhythm and vital signs. General supportive and symptomatic measures are also recommended. Gastric lavage with a large-bore orgostric tube with appropriate airway protection, if needed, may be indicated if performed soon after ingestion or in symptomatic patients. Activated charcoal should be administered. Induction of emesis is not recommended. Because of the moderate volume of distribution of this drug, forced diversis, dialysis, hemoperfusion, and exchange transfusion are unlikely to be of benefit. No specific antidotes for desvenlafaxine are known. In managing an overdose, consider the possibility of multiple drug involvement. The physician should consider contacting a poison control centers are listed in the Physicians Desk Reference (PDR*).

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