## Chemo Offers No Reason to Skip the Flu Shot

BY SUSAN LONDON Contributing Writer

SAN FRANCISCO — Most patients with colorectal cancer have an immune response to the flu vaccine regardless of whether they are receiving chemotherapy and which drug regimen is used, according to the first study to look at the issue specifically in this population.

Dr. Ajithkumar Puthillath, a senior fel-

## **Pristiq** *desvenlafaxine* Extended-Release Tablets BRIEF SUMMARY. See package insert for full Prescribing Information. For further p

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 (6.1), 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).

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). CONTRAINDICATIONS: Hypersensitivity- Hypersensitivity to desvenlafaxine succinate, venlafaxine hydrochloride or to any excipients in the Pristig formulation. Monoamine Oxidase Inhibitors – Pristig 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 Pristig before starting an MAOI [see Dosage and Administration (2.5) in the full prescribing information]. WARNINGS AND PBFCAILTONS: Clinical Worsepting and Suicide Bisk- Patients with major

Interactions with SNRI or SSRI treatment or with other serotonergic drugs. Based on the half-life of desvenialaxine, at least 7 days should be allowed after stopping Pristip 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 suicidal. There has been a long-standing concern, however, that antidepressants may have a role in inducing worsening of depression and the emergence of suicidal thinking and behavior (suicidal thinking) with antidepressants compared to placebo in adults aged 65 and older. The pooled analyses of placebo-controlled studies in children and adolescents with MDD, obsessive compulsive disorder (COL) or other psychiatric disorders included a total of 24 short-term studies of 9 antidepressant drugs in over 7,000 patients. There was considerable variation in risk of suicidal thinking age strata and across indications. These risk differences (drug y-lacebo difference in the number of cases of suicidality across the patients while the inpression is precision by worse ing depression or suicidality, expectally 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 discontinue treatment, medication should be tapered, as rapidly as is feasible, but with recognition that abrupt discontinuation can be associated with certain symptoms [see Warnings and Precaultons (5.9) and Dosage and Administration (2.3) in the full prescribing information for a description of the risks of discontinuation of Pristig). Families and caregivers of patients being treated with antidepressants for major depressive disorder or other indications, both psychiatric and nonpsychiatric, should be alerted about the need to monitor patients for the emergence of agitation, irritability, unusual changes in behavior, and the other symptoms described above, as well as the emergence of suicidality, and to report such symptoms immediately to health care providers. Such monitoring should include daily observation by families and caregivers. Prescriptions for Pristig should be written for the smallest quantity of tablets consistent with good patient management, in order to reduce the risk of overdose. Screening patients for bioplar disorder. A major depressive episode may be the initial presentation of bioplar disorder. It is generally believed (though not established in controlled studies) that treating such a conversion is unknown. However, prior to initiating reatment with an antidepressant such a conversion is such nown. However, prior to initiating reatment, maked manic episode in patients at risk for bioplar disorder, and depression. However, prior to initiating reatment with an antidepression is such nown. However, prior to initiating the secretion down or such aconversion is such nown. However, prior to initiating reatment with an antidepression such aconversion is unknown. However, how the evelopment of a potentially life-threathening serotonin syndrome may occur with Pristig and

low in oncology at the Roswell Park Cancer Institute in Buffalo, New York, and his colleagues conducted their study during the 2006-2007 flu season, enrolling outpatients with colorectal cancer who received the trivalent flu vaccine (Fluzone), which was designed to protect against the H1N1, H3N2, and B/Malaysia strains of the virus.

The 85 patients studied had a median age of 61 years. Slightly more than half

were male (56%), and had metastatic disease (57%). Sixty-eight percent of the patients received cytotoxic chemotherapy within a month before and for up to 3 months after vaccination, he reported at a meeting on gastrointestinal cancers sponsored by the American Society of Clinical Oncology.

Overall, 71% of the patient population had an immune response to the vaccine, with no significant difference between those who received chemotherapy and those who did not (69% vs. 74%), Dr. Puthillath reported.

"The take-home message is that in colorectal cancer patients, especially in the community, flu vaccination should be offered to all patients irrespective of age and irrespective of chemotherapy use," said Dr. Puthillath, who reported that he had no conflicts of interest in association with the study.

of bleeding associated with the concomitant use of Pristiq and NSAIDs, aspirin, or other drugs that affect coagulation or bleeding. **Narrow-angle Glaucoma**. Advisors in **Status** and **Stat** 

there are very have been rarely reported. The possibility of these adverse events should be considered in patients treaded with Prisity who present with progressive dyspene, cough, or chest discontinu. Such patients should undergo a prompt medical evaluation, and discontinuation of Pristiq should be considered.
AVVERSE 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 fast of placebo in the 50- or 100-mg dose groups) were nausea, diziness, insomnia, hyperhitrosis, constipation, somolence, decreased appetite, anviety, and specific male sexual function disorders. Adverse: reactions reported as reasons for discontinuation of treatment<sup>1</sup>. The most common adverse reactions had discontinuation in at least 2% of the Prisiq-treated patients in the short-term fluces. Table 3 in full P1 shows the incidence of common adverse: reactions had occurred in >2% of Prisiq-treated MDD patients at any dose in the 8-week, placebo-controlled, fluce dusse. Table 3 mill P1 shows the incidence of formorn adverse reactions the docurred in >2% of Prisiq-treated MDD patients at any dose in the 8-week, placebo-controlled, fixed-dose, premarketing dirical studies. In placebo. Contigonio. Vomiting: General diaoders: Nomeina, Anxiety, Nervouenes, Inritability, Abnornal dreams; Renal and utinary disorders: Nomolence, Headache, Termor, Paraesthesia, Disturbance in attention; Psychiatric, Disorders: Insomnia, Anxiety, Nervouenes, Inritability, Abnormal dreams; Renal and utinary disorders: Maximus, Stan, and subcultaneous fissue disorders: Nomina, Anxiety, Nervouenes, Inritability, Abnormal dreams; Renal and utinary disorders: Maximus, Stan, and subcultaneous fissue disorders: Horitons, Renal and utinary disorders: Maximus, Stan, and subcultaneous fissue disorders: Payenkirosis, Rash, Special Senses, Work binciche devise reactions of the accurred in 22% of Pristiq-treated MDD patients in any fised-do

Pence between with the study.

reported in patients who have recently been discontinued from a monsamine exidase inhibitor (MAO)
and stated to antidepressant exist with planmacological properties similar to refue (SNBis of SNBis) of
who have recently had SNBI or SSBI tharagy discontinued prior to initiation of an MAO) [see
Contraindications (2.2]. Secontaryice organise Based on the mechanism of action of Pristia and the
potential for serutorin syndrome, caution is advised when Pristia is coatiministered with other drugs
that may affect the serutonergic neurotransmitter systems [see Warnings and Prezudions [6.2]. Drugs
that interfere with Hemostasis (e.g., MSNDs, Aspirin, and Warfarin). Secutions (2.3). Drugs
that interfere with serutonergic neurotransmitter systems [see Warnings and Prezudions [6.2]. Drugs
that interfere with association between use of psychotropic drugs that interfare with serutonin reuptake
and the occurrence of upper gastroinstension Bedeling. These studies have also shown that documerent
use of an NSAD or aspirin may potentiate this risk of bleeding. Altered anticoaquiant effects, including
recreased bleeding, have been reported when SSIs and SNRs are coadministered with warfarin.
Patients receiving warfarin therapy should be carefully monitored when Pristia is initiated or
discontinued. Ethanol - A clinical study has shown that dosvenlataxine does not increase the
impairment of mental and motor skills caused by ethanol. However, as with all CNS-active drugs
to the metabolized by CYP2AG (Beiggramin) - In witro studies showed minimal inhibitor effect of Drease and presentations of a clinical study has shown that desvenlataxine does not have a clinically
upper concentrations of Pristia, Potential for Desvenlataxine to Affect Other DrugsDrugs metabolized by CYP2AG (Beiggramin) - In witro studies showed minimal inhibitor effect of
desvenlataxine on CYP2D6 existing studies have shown that desvenlataxine does not have a clinically
upper studies and the data substrate does not have a clinically

No adjustment in starting dosage is necessary for 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, agliation, dizziness, nausea, constipation, diarrhee, dry mouth, paresthesia, and tachycardia. Desvenlafaxine (Pristiq) is the major active metabolite of venlafaxine. Overdose experience reported with venlafaxine (the parent furg 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), mydriasis, seizures, and vomiting. Electrocardiogram changes (e.g., prolongation of 01 riterval, 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 twordosage may be associated with an increased risk of fatal outcomes compared to that observed with SSII antidepressant products, but lower than that for tricyclic antidepressants. Epidemiological studies have shown that venlafaxine. The extent to which the finding of an increased risk of fatal outcomes can be attributed to the toxicity of venlafaxine in overdosage, as opposed to some characteristic(s) of venlafaxine. Treated patients have a higher pre-existing burden of suicide risk factors than solventative of Overdosage. Treatment should consist of those general measures are also recommended. Gastric lavage with a large-bore orgastric tube with appropriate airway ventation. Monitor cardiac rhythm and vital signs. General supportive and symptomatic measures