Same-Day Discharge Safe in Lap. Hysterectomy

BY SHERRY BOSCHERT

FROM THE ANNUAL MEETING OF THE AMERICAN COLLEGE OF OBSTETRICIANS AND GYNECOLOGISTS

SAN FRANCISCO — Only 0.6% of 528 women who were discharged from the hospital the same day that they underwent a laparoscopic hysterectomy were readmitted within 48 hours, and 3.8% were readmitted within 3 months,

results of a retrospective study found. Using previous large studies on hysterectomies as a reference, any readmission rate less than 6% could be considered acceptable, and readmission rates in the current study were significantly lower than that, Dr. Miya Yamamoto reported in a prize-winning poster. Same-day discharge after laparoscopic hysterectomy appears to be safe, and could significantly decrease costs and health care use by

eliminating postprocedure hospital stays, she and her colleagues said.

Hysterectomy is the most common gynecologic surgery in the United States, and an increasing number are being performed laparoscopically. No previous large studies have evaluated the safety of same-day discharge after laparoscopic hysterectomy. Many patients are admitted for an overnight hospital stay after the procedure, but a growing number

are discharged on the same day, they said. Dr. Yamamoto of Oakland, Calif., and her associates at Kaiser Permanente Northern California studied records on women at their institutions who underwent a laparoscopic hysterectomy for benign indications in 2007-2009 and were discharged the same day. The surgeries were performed by generalists in ob.gyn. and included 287 supracervical laparoscopic hysterectomies and 241 total

PREMARIN[®] (CONJUGATED ESTROGENS) VAGINAL CREAM BRIEF SUMMARY: See Package Insert for Full Prescribing Information. For further product information and current package insert, please visit www.premarinvaginalcreamhcp.com or call our medical communication department to li-free at 1-800-934-5356.

WARNING: CARDIOVASCULAR DISORDERS, ENDOMETRIAL CANCER, BREAST CANCER and PROBABLE DEMENTIA ESTROGEN-ALONE THERAPY

ENDOMETRIAL CANCER

ENDOMETRIAL CANCER There is an increased risk of endometrial cancer in a woman with a uterus who uses unoppose estrogens. Adding a progestin to estrogen therapy has been shown to reduce the risk of endom hyperplasia, which may be a precursor to endometrial cancer. Adequate diagnostic measures, directed or random endometrial sampling when indicated, should be undertaken to rule out me in postmenopausal women with undiagnosed persistent or recurring abnormal genital bleedin [see Warnings and Precautions (5.3)].

CARDIOVASCUI AR DISORDERS AND PROBABLE DEMENTIA

(See Warnings and Precautions (5.2, 5.4), and Clinical Studies (14.2, 14.3) in full Prescribing Information]. The Women's Health Initiative (WHI) estrogen-alone substudy reported increased risks of stroke and deep vein thrombosis (DVT) in postmenopausal women (50 to 79 years of age) during 7.1 years of treatment with daily oral conjugated estrogens (CE) (0.625 mg], relative to placebo [see Warnings and Precautions (5.2), and Clinical Studies (14.2) in full Prescribing Information]. The WIM Memory Study (WHIMS) estrogen-alone ancillary study of WHI reported an increased risks of developing probable dementia in postmenopausal women 65 vears of age or older during 5.2 years of treatment with daily CE (0.625 mg), and Clinical Studies (14.2) in full Prescribing Information]. The WHI Memory Study (WHIMS) estrogen-alone ancillary study of WHI reported an increased risk of developing probable dementia in postmenopausal women 65 years of age or older during 5.2 years of treatment with daily CE (0.625 mg) alone, relative to placebo. It is unknown whether this finding applies to younger postmenopausal women [see Warnings and Precautions (5.4), Use in Specific Populations (8.5), and Clinical Studies (14.3) in full Prescribing Information]. In the absence of comparable data, these risks should be assumed to be similar for other doses of CE and other dosage forms of estrogens. Estrogens with or without progestins should be prescribed at the lowest effective doses and for the

Estrogens with or without progestins should be prescribed at the lowest effective doses and for the shortest duration consistent with treatment goals and risks for the individual woman.

ESTROGEN PLUS PROGESTIN THERAPY CARDIOVASCULAR DISORDERS AND PROBABLE DEMENTIA

CARDIOVASCULAR DISORDERS AND PROBABLE DEMENTIA Estrogen plus progestin therapy should not be used for the prevention of cardiovascular disease or of [see Warnings and Precautions (5.2, 5.4), and Clinical Studies (14.2, 14.3) in full Prescribing Informat The WHI estrogen plus progestin substudy reported increased risks of DVT, pulmonary embolism, s and myocardial infarction in postmenopausal women (50 to 79 years of age) during 5.6 years of the with daily oral CE (0.625 mg) combined with medroxyprogesterone acetate (MPA) [2.5 mg], relative placebo [see Warnings and Precautions (5.2), and Clinical Studies (14.2) in full Prescribing Informa The WHINS estrogen plus progestin ancillary study of the WHI, reported an increased risk of de probable dementia in postmenopausal women 65 years of age or older during 4 years of treatr with daily CE (0.625 mg) combined with MPA (2.5 mg), relative to placebo. Its unknown whet this finding applies to younger postmenopausal women [see Warnings and Precautions (5.4), i Specific Populations (8.5), and Clinical Studies (14.3) in full Prescribing Information]. BREAST CANCER

BREAST CANCER

The WHI estrogen plus progestin substudy also demonstrated an increased risk of invasive breast cancer [see Warnings and Precautions (5.3), and Clinical Studies (14.2) in full Prescribing Informati In the absence of comparable data, these risks should be assumed to be similar for other doses of CE and MPA, and other combinations and dosage forms of estrogens and progestins. strongen with or without progestins should be prescribed at the lowest effective doses and for the shortest duration consistent with treatment goals and risks for the individual woman.

INDICATIONS AND USAGE

eatment of Atrophic Vaginitis and Kraurosis Vulvae eatment of Moderate to Severe Dyspareunia, a Symptom of Vulvar and Vaginal Atrophy, due to Men CONTRAINDICATIONS

PREMARIN Vaginal Cream therapy should not be used in women with any of the following conditions:

- Previously vaginal clean interapy should not be used in women with any or the following conducts: Undiagnosed abnormal genital bleeding Known, suspected, or history of breast cancer Known or suspected estrogen-dependent neoplasia Active deep wein thrombosis, pulmonary embolism or a history of these conditions Active deep wein thrombosis, pulmonary embolism or a history of these conditions Active deep wein thrombosis, pulmonary embolism or a history of these conditions
- these conditions Known liver dysfunction or disease
- Known or suspected pregnancy

WARNINGS AND PRECAUTIONS

Risks From Systemic Absorption Systemic absorption occurs with the use of PREMARIN Vaginal Cream. The warnings, precautions, and adverse reactions associated with oral PREMARIN treatment should be taken into account. **Cardiovascular Disorders**

An increased risk of stroke and deep vein thrombosis (DVT) has been reported with estrogen-alone therapy An increased risk of pulmonary embolism, DVT, stroke and myocardial infarction has been reported with estrogen plus progestin therapy. Should any of these occur or be suspected, estrogens with or without progestins should be discontinued immediately.

Risk factors for arterial vascular disease (for example, hypertension, diabetes mellitus, tobacco use hypercholesterolemia, and obesity) and/or venous thromboembolism (for example, personal history of venous thromboembolism [VTE], obesity, and systemic lupus erythematosus) should be managed appropriately. Stroke

In the Women's Health Initiative (WHI) estrogen-alone substudy, a statistically significant increased risk of If the women's head minutative (min) estrogenerations associated and associated as of the second second as the second sec

Subgroup analyses of women 50 to 59 years of age suggest no increased risk of stroke for those women receiving CE (0.625 mg) versus those receiving placebo (18 versus 21 per 10,000 women-years). In the WHI estrogen plus progestin substudy, a statistically significant increased risk of stroke was reported in all women receiving daily CE (0.625 mg) plus MPA (2.5 mg) compared to placebo (33 versus 25 per 10,000 women-years) [see Clinical Studies (14.2) in full Prescribing Information]. The increase in risk was demonstrated after the first year and persisted.

demonstrated atter the first year and persisted. *Coronary Heart Disease* In the WH estrogen-alone substudy, no overall effect on coronary heart disease (CHD) events (defined as nonfatal myocardial infarction [MI], silent MI, or CHD death) was reported in women receiving estrogen-a compared to placebo [*see Clinical Studies* (14.2) in full Prescribing Information]. Subgroup analyses of women 50 to 59 years of age suggest a statistically non-significant reduction in CHD events (CE 0.625 mg compared to placebo) in women with less than 10 years since menopause (8 versus 16 per 10,000 women-years). In the MMI estronen plics monestin substudy. there was a statistically non-significant increased risk of CHD ev

In the WHI estrogen plus progestin substudy, there was a statistically non-significant increased risk of CHD events in women receiving daily 0E (0.625 mg) plus MPA (2.5 mg) compared to women receiving placebo (41 versus 34 per 10,000 women-years). An increase in relative risk was demonstrated in year 1, and a trend toward decreasing relative risk was reported in years 2 through 5 *[see Clinical Studies (14.2) in full Prescribing Information]*. In postmenopausal women with documented heart disease (n = 2,763), average age 66.7 years, in a controlled clinical trial of secondary prevention of cardiovascular disease (Heart and Estrogen/Progestin Replacement Study [HERS]), treatment with daily CE (0.625 mg) plus MPA (2.5 mg) demonstrated no cardiovascular benefit.

During an average follow-up of 4.1 years, treatment with CE plus MPA did not reduce the overall rate of CHD events in postmenopausal women with established coronary heart disease. There were more CHD events in the CE plus MPA-treated group than in the placebo group in year 1, but not during subsequent users. Two thousand, three hundred and twenty-one (2,321) women from the original HERS trial agreed to participate in an open label extension of HERS, HERS II. Average follow-up in HERS II was an additional 2.7 years, for a total of 6.8 years overall. Rates of CHD events were comparable among women in the CE (0.625 mg) plus MPA (2.5 mg) group and the placebo group in HERS, HERS II, and overall. us Thromboembolism (VTE)

Venous Thromboembolism (VTE) In the WHI estrogen-alone substudy, the risk of VTE (DVT and pulmonary embolism [PE]) was increased for women receiving daily CE (0.625 mg) compared to placebo (30 versus 22 per 10,000 women-years), althoug only the increased risk of DVT reached statistical significance (23 versus 15 per 10,000 women-years). The increase in VTE risk was demonstrated during the first 2 years (*see* Clinical Studies (14.2) in *full Prescribing Information]*. Should a VTE occur or be suspected, estrogens should be discontinued immediately. nouah

In the WHI estrogen plus progestin substructive, estrogens should be dispersed in the estrogen plus progestin substructive, a statistically significant 2-fold greater rate of VTE was reported in women receiving daily CE (0.625 mg) plus MPA (2.5 mg) compared to women receiving placebo (35 versus 17 per 10,000 women-years). Statistically significant increases in risk for both DVT (26 versus 13 per 10,000 women-years) and PE (18 versus 8 per 10,000 women-years) were also demonstrated. The increase in VTE risk was observed during the first year and persisted [see Clinical Studies (14.2) in full Prescribing Information]. Should a VTE occur or be suspected, estrogens should be discontinued immediately.

If feasible, estrogens should be discontinued at least 4 to 6 weeks before surgery of the type associated with an increased risk of thromboembolism, or during periods of prolonged immobilization. Malignant Neoplas

Endometrial Cancer An increased risk of endometrial cancer has been reported with the use of unopposed estrogen therapy in a woman with a uterus. The reported endometrial cancer risk among unopposed estrogen users is about 2- to 12-fold greater than in non-users, and appears dependent on duration of treatment and on estrogen dose. Most studies show no significant increased risk associated with use of estrogens for less than 1 year. The greatest risk appears to be associated with prolonged use, with increased risks of 15- to 24-fold for 5 to 10 years or more, an this risk has been shown to persist for at least 8 to 15 years after estrogen therapy is discontinued. irs or more and

Clinical surveillance of all women using estrogen-alone or estrogen plus progestin therapy is important. Adequate diagnostic measures, including directed or random endometrial sampling when indicated, should be undertaken i rule out malignancy in postmenopausal women with undiagnosed persistent or recurring abnormal genital bleedi There is no evidence that the use of natural estrogens results in a different endometrial risk profile than synthetic estrogens of equivalent estrogen dose. Adding a progestin to postmenopausal estrogen therapy has been shown to reduce the risk of endometrial hyperplasia, which may be a precursor to endometrial cancer.

In a 52-week clinical trial using PREMARIN Vaginal Cream alone (0.5 g inserted twice weekly or daily for 21 days, then off for 7 days), there was no evidence of endometrial hyperplasia or endometrial carcinoma. Breast Cancer

The most important randomized clinical trial providing information about breast cancer in estrogen-alone users is the Women's Health Initiative (WHI) substudy of daily CE (0.625 mg). In the WHI estrogen-alone substudy, after an average follow-up of 7.1 years, daily CE (0.625 mg) was not associated with an increased risk of invasive breast cancer (relative risk (RR) 0.80) [see Clinical Studies (14.2) in full Prescribing Information].

The most important randomized clinical trial providing information about breast cancer in estrogen plus progest users is the WHI substudy of daily CE (0.625 mg) plus MPA (2.5 mg). After a mean follow-up of 5.6 years, the estrogen plus progestin substudy reported an increased risk of breast cancer in women who took daily CE plus MPA. In this su this substudy, prior use of estrogen-alone or estrogen plus progestin therapy was reported by 26 percent of men. The relative risk of invasive breast cancer was 1.24, and the absolute risk was 41 versus 33 cases per the women. The relative risk of invasive breast cancer was 1.24, and the absolute risk was 41 versus 33 cases per 10,000 women-years, for estrogen plus progestin compared with placebo. Among women who reported prior use of hormone therapy, the relative risk of invasive breast cancer was 1.86, and the absolute risk was 46 versus 25 cases per 10,000 women-years for estrogen plus progestin compared with placebo. Among women who reported no prior use of hormone therapy, the relative risk of invasive breast cancer was 1.09, and the absolute risk was 40 versus 36 cases per 10,000 women-years for estrogen plus progestin compared with placebo. In the same substudy, invasive breast cancers were larger and diagnosed at a more advanced stage in the C2 (0.625 mg) plus MPA (2.5 mg) group compared with the placebo group. Metastatic disease was rare, with no apparent difference between the two groups. Other prognostic factors, such as histologic subtype, grade and hormone receptor status did not differ between the groups [see Clinical Studies (14.2) in full Prescribing Information].

and not other between the groups (see United Studies (14.2) in full Preschong Information). Consistent with the WHI clinical trial, observational studies have also reported an increased risk of breast cancer for estrogen plus progestin therapy, and a smaller increased risk for estrogen-alone therapy, after several years of use. The risk increased with duration of use, and appeared to return to baseline over about 5 years after stopping treatme (only the observational studies have substantial data on risk after stopping). Observational studies also suggest that the risk of breast cancer was greater, and became apparent earlier, with estrogen plus progestin therapy as compare compared to estrogen-alone therapy. However, these studies have not generally found significant variation in the risk of breast cancer among different estrogen plus progestin combinations, doses, or routes of administration.

The use of estrogen-alone and estrogen plus progestin therapy has been reported to result in an increase in abnormal mammograms, requiring further evaluation.

All women should receive yearly breast examinations by a healthcare provider and perform monthly breast self-examinations. In addition, mammography examinations should be scheduled based on patient age, risk factors, and prior mammogram results.

Ovarian Cancer

Ovarian Cancer The WHI estrogen plus progestin substudy reported a statistically non-significant increased risk of ovarian cancer. After an average follow-up of 5.6 years, the relative risk for ovarian cancer for CE plus MPA versus placebo, was 1.58 (95 percent nCl 0.77-3.24). The absolute risk for CE plus MPA versus placebo was 4 versus 3 cases per 10,000 women-years. In some epidemiologic studies, the use of estrogen-only products, in particular for 5 or more years, has been associated with an increased risk of ovarian cancer. However, the duration of exposure associated with increased risk is not consistent across all epidemiologic studies, and some report no association. Probable Dementia

In the estrogen-alone Women's Health Initiative Memory Study (WHIMS), an ancillary study of WHI, a population of 2,947 hysterectomized women 65 to 79 years of age was randomized to daily CE (0.625 mg) or placebo. In the WHIMS estrogen-alone ancillary study, after an average follow-up of 5.2 years, 28 women in the estrogen-alone group and 19 women in the placebo group were diagnosed with probable dementia. The relative risk of probable dementia for CE-alone versus placebo was 1.49 (95 percent nCl 0.83-2.66). The absolute risk of probable dementia for CE-alone versus placebo was 37 versus 25 cases per 10,000 women-years *[see Use in Specific Populations (8.3), and Clinical Studies (14.3) in full Prescribing Information*].

Women-years (see use in Specific Populations (s.3), and Cuinical studies (14.3) in full Prescholing information]. In the WHIMS estrogen plus progestin ancillary study, a population of 4,532 postmenopausal women 65 to 79 years of age was randomized to daily DC (0.625 mg) plus MPA (2.5 mg) or placebo. After an average follow-up of 4 years, 40 women in the CE plus MPA group and 21 women in the placebo group were diagnosed with probable dementia. The relative risk of probable dementia for CE plus MPA versus placebo was 2.50 (95 percent nCl 1.21-3.48). The absolute risk of probable dementia for CE plus MPA versus placebo was 45 versus 22 cases per 10,000 women-years [see Use in Specific Populations (8.3), and Clinical Studies (14.3) in full Prescribing Information].

When data from the two populations were pooled as planned in the WHIMS protocol, the reported on risk for probable dementia was 1.76 (95 percent nCl 1.19-2.60). Since both substudies were condu. women 65 to 79 years of age, it is unknown whether these findings apply to younger postmenopaus [see Use in Specific Populations (8.5), and Clinical Studies (14.3) in full Prescribing Information]. ler Disease

A 2- to 4-fold increase in the risk of gallbladder disease requiring surgery in postmenopausal women receiving estrogens has been reported Hypercalcemia

per carcentar rogen administration may lead to severe hypercalcemia in women with breast cancer and bone metastases ypercalcemia occurs, use of the drug should be stopped and appropriate measures taken to reduce the serum calcium level.

laparoscopic hysterectomies. Overall, 1.5% had urgent clinic visits after their hysterectomy and discharge. Four percent visited the emergency department within 48 hours of the procedure, mainly for nausea or vomiting, urinary retention, or pain.

Of patients who underwent supracervical laparoscopic hysterectomy, 0.7% were readmitted within 48 hours, and 3.4% within 3 months. In those who underwent total laparoscopic hysterectomy, 0.4% were readmitted within 48 hours, and 4.1% within 3 months.

The two subgroups did not differ significantly in any outcomes.

S

Records from the hysterectomies showed a mean operating time of 157 minutes, a median estimated blood loss of 50 mL, and a mean uterine weight of 222 g. Hysterectomies were performed because of fibroids in 46% of patients, for menorrhagia in 27%, for pain in 15%, and for other reasons in 12%.

Patients in the current study had a median age of 45 years and a median body mass index of 28 $kg/m^2;$ 35% had a BMI greater than 30. ■

Visual Abnormalities

Retinal vascular thrombosis has been reported in patients receiving estrogens. Discontinue medication pending examination if there is sudden partial or complete loss of vision, or a sudden onset of proptosis, diplopia, or migraine If examination reveals papilledema or retinal vascular lesions, estrogens should be permanently discontinued.

Addition of a Progestin When a Woman Has Not Had a Hysterectomy Studies of the addition of a progestin for 10 or more days of a cycle of estrogen administration or daily with estrogen in a continuous regimen have reported a lowered incidence of endometrial hyperplasia than would induced by estrogen treatment alone. Endometrial hyperplasia may be a precursor to endometrial cancer. ould be There are, however, possible risks that may be associated with the use of progestins with estrogens compared to estrogen-alone regimens. These include an increased risk of breast cancer.

Elevated Blood Pressure

In a small number of case reports, substantial increases in blood pressure have been attributed to idiosyncratic reactions to estrogens. In a large, randomized, placebo-controlled clinical trial, a generalized effect of estrogen therapy on blood pressure was not seen.

Hypertriglyceridemia In patients with pre-existing hypertriglyceridemia, estrogen therapy may be associated with elevations of plasma triglycerides leading to pancreatitis. Consider discontinuation of treatment if pancreatitis occurs.

pressma angivernoes reading to pancreatitis. Consider discontinuation of treatment if pancreatitis occurs. Hepatic impairment and/or Past History of Cholestatic Jaundice Estrogens may be poorly metabolized in women with impaired liver function. For women with a history of cholestatic jaundice associated with past estrogen use or with pregnancy, caution should be exercised, and in the case of recurrence, medication should be discontinued.

Hypothyroidism

Estrogen administration leads to increased thyroid-binding globulin (TBG) levels. Women with normal thyroid function can compensate for the increased TBG by making more thyroid hormone, thus maintaining free T_a and T_a serum concentrations in the normal range. Women dependent on thyroid hormone replacement therapy who are Setuit builte induction and the formal range. We not applied to the provide the provided of th Fluid Retention

Estrogens may cause some degree of fluid retention. Patients with conditions that might be influenced by this factor, such as cardiac or renal dysfunction, warrant careful observation when estrogens are prescribed.

Estrogens should be used with caution in individuals with hypoparathyroidism as estrogen-induced hypocalcemia may occur.

Exacerbation of Endometriosis

A few cases of malignant transformation of residual endometrial implants have been reported in women treated post-hysterectomy with estrogen-alone therapy. For women known to have residual endometriosis postpost-hysterectomy with estrogen-alone therapy. For women known hysterectomy, the addition of progestin should be considered.

Exacerbation of Other Conditions Estrogen therapy may cause an exacerbation of asthma, diabetes mellitus, epilepsy, migraine, porphyria, systemic lupus erythematosus, and hepatic hemangiomas and should be used with caution in women with these conditions. Effects on Barrier Contraception

PREMARIN Vaginal Cream exposure has been reported to weaken latex condoms. The potential for PREMARIN Vaginal Cream to weaken and contribute to the failure of condoms, diaphragms, or cervical caps made of latex or rubber should be considered

or rubber should be considered.
Laboratory Tests
Serum folicile stimulating hormone and estradiol levels have not been shown to be useful in the management
of moderate to severe symptoms of vulvar and vaginal atrophy.
Drug-Laboratory Test Interactions
Accelerated prothrombin time, partial thromboplastin time, and platelet aggregation time; increased platelet count;
increased factors II, VII antigen, VIII antigen, VIII coagulant activity, IX, X, XII, VII-X complex, II-VII-X complex, and
beta-thromboglobulin; decreased levels of antifactor Xa and antithrombin III, decreased and thrombin III activity;
Increased plateling and fibrinogen activity; increased plateling and activity.
Increased thronid-hindin niholilin (TBG) leading to increased circulating total thronome, as measured by

Increased thyroid-binding globulin (TBG) leading to increased circulating total thyroid hormone, as measured by protein-bound iodine (PB), T₄ levels (by column or by radioimmunoassay) or T₃ levels by radioimmunoassay, T₅ resin uptake is decreased, reflecting the elevated TBG. Free T₄ and free T₃ concentrations are unaltered. Women on thyroid replacement therapy may require higher doses of thyroid hormone.

Other binding proteins may be elevated in serum, for example, corticosteroid binding globulin (CBG), sex hormone-binding globulin (SHBG), leading to increased total circulating corticosteroids and sex steroids, respectively. Free hormone concentrations, such as testosterone and estradiol, may be decreased. Other plasma proteins may be increased (angiotensinogen/renin substrate, alpha-1-antitrypsin, ceruloplasmin). Increased plasma HDL and HDL cholesterol subfraction concentrations, reduced LDL cholesterol concentrations, increased triglyceride levels.

Impaired glucose tolerance.

ADVERSE REACTIONS

The following serious adverse reactions are discussed elsewhere in the labeling

Cardiovascular Disorders [see Boxed Warning, Warnings and Precautions (5.2)]
 Endometrial Cancer [see Boxed Warning, Warnings and Precautions (5.3)]

Clinical Study Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trial of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

In a 12-week, randomized, double-blind, placebo-controlled trial of PREMARIN Vaginal Cream (PVC), a total In a 12-week, randomized, double-blind, placebo-controlled trial of PHEMARIN Vaginal Cream (PCU), a total of 423 postmenopausal women received at least 1 dose of study medication and were included in all safety analyses: 143 women in the PVC-21/7 treatment group (0.5 g PVC daily for 21 days, then 7 days off, 72 women in the matching placebo treatment group; 140 women in the PVC-2x/wk treatment group; g PVC twice weekly), 68 women in the matching placebo treatment with PVC, including those subjects randomized at baseline to placebo. In this study, the most common adverse reactions \geq 5 percent are shown below (Table 1) [see Clinical Studies (14.1) in full Prescribing Information].

Table 1: Number (%) of Patients Reporting Treatment Emergent Adverse Events \geq 5 Percent Only

Treatment					
Body System ^a Adverse Event	PVC 21/7 (n=143)	Placebo 21/7 (n=72)	PVC 2x/wk (n=140)	Placebo 2x/wk (n=68)	
	Number (%) of Patients with Adverse Event				
Any Adverse Event	95 (66.4)	45 (62.5)	97 (69.3)	46 (67.6)	
Body As A Whole					
Abdominal Pain	11 (7.7)	2 (2.8)	9 (6.4)	6 (8.8)	
Accidental Injury	4 (2.8)	5 (6.9)	9 (6.4)	3 (4.4)	
Asthenia	8 (5.6)	0	2 (1.4)	1 (1.5)	
Back Pain	7 (4.9)	3 (4.2)	13 (9.3)	5 (7.4)	
Headache	16 (11.2)	9 (12.5)	25 (17.9)	12 (17.6)	
Infection	7 (4.9)	5 (6.9)	16 (11.4)	5 (7.4)	
Pain	10 (7.0)	3 (4.2)	4 (2.9)	4 (5.9)	
Cardiovascular System	1				
Vasodilatation	5 (3.5)	4 (5.6)	7 (5.0)	1 (1.5)	

Major Finding: Among 287 patients who underwent supracervical laparoscopic hysterectomy, only 0.7% were readmitted within 48 hours, and 3.4% within 3 months. Among 241 patients who underwent total laparoscopic hysterectomy, only 0.4% were readmitted within 48 hours, and 4.1% within 3 months.

Data Source: Retrospective case series of all women undergoing a laparoscopic hysterectomy for benign indications, performed by ob.gyn. generalists. Disclosures: None was reported.

Digestive System				
Diarrhea	4 (2.8)	2 (2.8)	10 (7.1)	1 (1.5)
Vausea	5 (3.5)	4 (5.6)	3 (2.1)	3 (4.4)
Musculoskeletal Syste	m			
Arthralgia	5 (3.5)	5 (6.9)	6 (4.3)	4 (5.9)
Nervous System				
nsomnia	6 (4.2)	3 (4.2)	4 (2.9)	4 (5.9)
Respiratory System				
Cough Increased	0	1 (1.4)	7 (5.0)	3 (4.4)
Pharyngitis	3 (2.1)	2 (2.8)	7 (5.0)	3 (4.4)
Sinusitis	1 (0.7)	3 (4.2)	2 (1.4)	4 (5.9)
Skin And Appendages	12 (8.4)	7 (9.7)	16 (11.4)	3 (4.4)
Jrogenital System				
Breast Pain	8 (5.6)	1 (1.4)	4 (2.9)	0
_eukorrhea	3 (2.1)	2 (2.8)	4 (2.9)	6 (8.8)
/aginitis	8 (5.6)	3 (4.2)	7 (5.0)	3 (4.4)

Postmarketing Experience The following adverse reactions have been reported with PREMARIN Vaginal Cream. Because these 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.

Genitourinary System Abnormal uterine bleeding/spotting, dysmenorrhea/pelvic pain, increase in size of uterine leiomyomata, vagini (including vaginal candidiasis), change in cervical secretion, cystitis-like syndrome, application site reactions of vulvovaginal discomfort, (including burning, irritation, and genital pruritus), endometrial hyperplasia, endometr cancer, precocious puberty, leukorrhea.

Breasts Tenderness, enlargement, pain, discharge, fibrocystic breast changes, breast cancer, gynecomastia in males

Cardiovascular Deep venous thrombosis, pulmonary embolism, myocardial infarction, stroke, increase in blood pressure. Gastrointestinal Nausea, vomiting, abdominal cramps, bloating, increased incidence of gallbladder disease.

Skin Chloasma that may persist when drug is discontinued, loss of scalp hair, hirsutism, rash

Eyes Retinal vascular thrombosis, intolerance to contact lenses.

Central Nervous System Headache, migraine, dizziness, mental depression, nervousness, mood disturbances, irritability, dementia

Increase or decrease in weight, glucose intolerance, edema, arthralgias, leg cramps, changes in libido, urticari anaphylactic reactions, exacerbation of asthma, increased triglycerides, hypersensitivity.

Additional postmarketing adverse reactions have been reported in patients receiving other forms of hormone therap DRUG INTERACTIONS

No formal drug interaction studies have been conducted for PREMARIN Vaginal Cre Metabolic Interactions

In vitro and in vivo studies have shown that estrogens are metabolized partially by cytochrome P450 3A4 (CYP3A4). In wird and in worsuldies have shown that estrogens are metaolized partially by cytochrome r420 3A4 (CH13A4). Therefore, inducers or inhibitors of CYP3A4, such as St. John's Wort (*Hypericum perforatum*) preparations, phenobarbital, carbamazepine, and rifampin, may reduce plasma concentrations of estrogens, possibly resulting in a decrease in therapeutic effects and/or changes in the uterine bleeding profile. Inhibitors of CYP3A4, such as erythromycin, clarithromycin, ketoconazole, itaconazole, ritonavir and grapefruit juice, may increase plasma concentrations of estrogens and may result in side effects.

USE IN SPECIFIC POPULATIONS

Pregnancy PREMARIN Vaginal Cream should not be used during pregnancy *[see Contraindications (4)]*. There appears to t little or no increased risk of birth defects in children born to women who have used estrogens and progestins an oral contraceptive inadvertently during early pregnancy.

an oral contraceptive inauvertenuty during early pregnancy. **Nursing Mothers** PREMARIN Vaginal Cream should not be used during lactation. Estrogen administration to nursing mothers has been shown to decrease the quantity and quality of the breast milk. Detectable amounts of estrogens have been identified in the breast milk of mothers receiving estrogens. Caution should be exercised when PREMARI Vaginal Cream is administered to a nursing woman.

Pedi tric Use

PREMARIN Vaginal Cream is not indicated in children. Clinical studies have not been conducted in the pediatric population Geriatric Use

Variation of the set o

Vaginal Cream to determine whether those over 65 years of age differ from younger subjects in their response to PREMARIN Vaginal Cream. *The Women's Health Initiative Study* In the Women's Health Initiative (WHI) estrogen-alone substudy (daily conjugated estrogens 0.625 mg versus placebo), there was a higher relative risk of stroke in women greater than 65 years of age *[see Clinical Studies (14.2) in full Prescribing Information]*.

In the Will extrogen plus progestin substudy, there was a higher relative risk of nonfatal stroke and invasive breas cancer in women greater than 65 years of age [see Clinical Studies (14.2) in full Prescribing Information].

The Women's Health Initiative Memory Study In the Women's Health Initiative Memory Study (WHIMS) of postmenopausal women 65 to 79 years of age, the was an increased risk of developing probable dementia in women receiving estrogen-alone or estrogen plus progestin when compared to placebo *[see Clinical Studies (14.3) in full Prescribing Information].*

Since both ancillary studies were conducted in women 65 to 79 years of age, it is unknown whether these findings apply to younger postmenopausal women [see Clinical Studies (14.3) in full Prescribing Information]. Renal Impairment The effect of renal impairment on the pharmacokinetics of PREMARIN Vaginal Cream has not been studied.

Hepatic Impairment The effect of hepatic impairment on the pharmacokinetics of PREMARIN Vaginal Cream has not been studied

OVERDOSAGE

Overdosage of estrogen may cause nausea and vomiting, breast tenderness, dizziness, abdominal pain, drowsiness/fatigue, and withdrawal bleeding in women. Treatment of overdose consists of discontinuation of PREMARIN therapy with institution of appropriate symptomatic care. This brief summary is based on PREMARIN Vaginal Cream Prescribing Information W10413C018 ET01, Rev 11/0

Fortified OC **Raised Blood Folate Levels**

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BY SHERRY BOSCHERT

FROM THE ANNUAL MEETING OF THE AMERICAN COLLEGE OF OBSTETRICIANS AND GYNECOLOGISTS

SAN FRANCISCO — A folate-fortified oral contraceptive significantly improved folate levels in red blood cells and plasma compared with a conventional oral contraceptive after 24 weeks, in a preliminary randomized, double-blind trial of 379 healthy U.S. women seeking contraception.

The study randomized 94 women to take the oral contraceptive Yaz (ethinyl estradiol 0.02 mg plus 3 mg drospirenone) and 285 women to take an experimental version of Yaz that also contained 0.451 mg levomefolate calcium, the calcium salt of L-5-methyltetrahydrofolate, the most prevalent form of dietary folate. During each of six treatment cycles, they got fortified Yaz or conventional Yaz for 24 days, followed by 4 days of levomefolate calcium alone in the fortified group or placebo in the control group.

Seventy women in the control group and 203 in the fortified group completed the 24 weeks of treatment, at which time average red blood cell folate levels were 1,406 nmol/L in the fortified group and 1,024 nmol/L in the control group. Plasma folate levels averaged 61 nmol/L in the fortified group and 41 nmol/L in the control group, Dr. Stephan Bart reported at the meeting.

The differences between groups were statistically significant, said Dr. Bart, a contract researcher at SNBL Clinical Pharmacology Center, Baltimore. Overall rates of adverse events were similar between groups.

The study did not restrict the use of additional folate-containing supplements, and U.S. women generally consume folate-fortified foods, emphasizing that a folate-fortified contraceptive could increase folate levels even in populations already exposed to sources of folate, he noted.

These results support the concept that folate-fortified oral contraceptives would improve the folate status of all women of childbearing potential," Dr. Bart said.

Among the women, aged 18-40 years, one or more adverse events were reported in 56% of the fortified group and 57% of the control group. Most adverse events were mild or moderate in intensity and consisted mainly of upper respiratory tract infections (10% of each group) or increases in low-density lipoprotein cholesterol (6% of the fortified group and 9% of the control group), Dr. Bart said.

Disclosures: Bayer Healthcare

Pharmaceuticals, which markets Yaz and is developing the folate-fortified version, funded the trial and Dr. Bart's travel to the meeting. His associates in the study all were employees of divisions of Bayer.