Women's Health

Mild Postpartum Depression: Try Nondrug Options

ADVERSE REACTIONS

BY CARL SHERMAN

Contributing Writer

NEW YORK — Nonpharmacologic treatments are particularly worth considering when mood problems develop during pregnancy and in the postpartum period, Linda S. Mullen, M.D., said at an obstetrics symposium sponsored by Columbia University and New York Presbyterian Hospital.

Medication should not be dismissed as

an option, however, and is generally preferable when symptoms are severe.

Pregnancy itself appears to be neither a time of particular mental well-being nor vulnerability; surveys find that about 20% of women suffer from mood or anxiety disorders at this time, essentially the same proportion as women in general, said Dr. Mullen, director of women's mental health at the university and the hospital.

But such difficulties clearly are more common in the postpartum period and run along a spectrum of severity from 'baby blues" to psychosis.

"Postpartum blues" are extremely common, affecting 50%-85% of women. Rather than depression, typical symptoms are mood lability, anxiety, irritability, and difficulty in eating, sleeping, and caring for oneself and the baby. These symptoms may be troubling, but do not interfere markedly with functioning; they usually peak 4-5 days post partum and resolve by

"Reassurance rather than treatment is generally enough," Dr. Mullen said. But if difficulties persist for at least 2 weeks, an evaluation for serious mood disorder is in

About one-fourth of women with postpartum blues later develop clinically significant depression, she said.

Postpartum depression actually can emerge any time within 2-3 months of childbirth. It is clinically indistinguishable from depression generally and may include comorbid anxiety syndromes such as panic, obsessive-compulsive disorder, or generalized anxiety.

'Many women don't come to see the physician until late; they think what they experience is a normal part of the post-

Recent stressful events are a major risk factor. **Psychosocial** management should include interventions to increase social support and help with child care.

partum, or feel ashamed their difficulties in caring for their baby," Dr. Mullen said.

Unlike depression in other groups, age, marital status, education level. and socioeconomic status are not associated with increased preva-

lence, but marital problems, inadequate social support, and recent stressful life events are major risk factors. Women with a history of depression also are at increased risk, she said.

Treatment depends in part on severity. For mild to moderate symptoms, certain types of psychotherapy seem as effective as medication and are preferred by many women, particularly those who are breast-

Cognitive-behavioral therapy, in particular, has been shown to be as effective as fluoxetine. Interpersonal therapy, which focuses on relationship issues, has also been found efficacious in mild to moderate depression in the postpartum. "It may be especially useful for women with marital difficulties," Dr. Mullen said.

Couples therapy and group therapy are also helpful, and there is some evidence that psychoeducational groups for pregnant women at risk may prevent postpartum depression. Psychosocial management should include interventions to increase social support and help with child care, she said.

Light therapy appears to be effective for depression during pregnancy, and may be helpful in the postpartum as well.

When medication is necessary or preferred, conventional antidepressants at standard doses are as efficacious for postpartum depression as for depression gen-

Selective serotonin reuptake inhibitors

The addition of psychotherapy makes medication more effective, Dr. Mullen

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ort-Term Treatment (4 weeks) of Active Duodenal Ulcer pylori Eradication to Reduce the Risk of Duodenal Ulcer Recurrence

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H, Pylori Fraciation to Reduce the Risk of Duodenal Ulcer Recurrence
Triple Therapy: PREVACIO/amoxicillin/clarithromycin
Dual Therapy: PREVACIO/amoxicillin/clarithromycin
Who are either allergic or intolerant to clarithromycin or in whom resistance to
clarithromycin is known or suspected.
Maintenance of Healed Duodenal Ulcers
Controlled studies do not extend beyond 12 months.
Short-Term Treatment (up to 8 weeks) of Active Benign Gastric Ulcer
Healing of NSAID-Associated Gastric Ulcer
In patients with continue INSAID use. Controlled studies did not extend beyond 8 weeks.
Risk Reduction of NSAID-Associated Gastric Ulcer
In patients with a history of a documented gastric ulcer who require the use of an NSAID.
Controlled studies did not extend beyond 12 weeks.
Gastrosophageal Reflux Disease (GERD)
Short-Term Treatment (up to 8 weeks) of Frosive Esophagitis
For patients who do not heal with PREVACID for 8 weeks (5-10%), it may be helpful to give
an additional 8 weeks of treatment. If there is a recurrence of erosive esophagitis an
additional 8 weeks of treatment. If there is a recurrence of Healing of Erosive Esophagitis
Controlled studies did not extend beyond 12 months.

Maintenance of Healing of Erosive Esophagitis
Controlled studies did not extend beyond 12 months.

Pathological Hypersceretory Conditions Including Zollinger-Ellison Syndrome
CONTRAINDICATIONS

the formulation of PREVACID.

Amoxicillin is contraindicated in patients with a known hypersensitivity to any penicillin. Charithromycin is contraindicated in patients with a known hypersensitivity to carptionized in patients with a known hypersensitivity to clarithromycin, erythromycin, and any of the macrolide antibiotics.

Concomitant administration of clarithromycin with cisapride, prinozide, astemizole, or terfenadine is contraindicated. There have been post-marketing reports of drug interactions when clarithromycin and/or erythromycin are co-administered with cisapride, primozide, astemizole, or terfenadine resulting in cardiac arrhythmias (QT prolongation, ventricular thrillation, and torsades de pointes) most likely due to inhibition of metabolism of these drugs by erythromycin and clarithromycin. Fatalities have been reported.

CLARITHROMYCIN SHOULD NOT BE USED IN PREGNANT WOMEN EXCEPT IN CLINICAL CIRCUMSTANCES WHERE NO ALTERNATIVE THERAPY IS APPROPRIATE. IF PREGNANCY OCCURS WHILE TAKING CLARITHROMYCIN, THE PATEINS THOUGH DE APPRISED OF THE POTENTIAL HAZARD TO THE FETUS. (SEE WARNINGS IN PRESCRIBING INFORMATION FOR CLARITHROMYCIN, THE PATEINS THOUGH DE APPRISED OF THE POTENTIAL HAZARD TO THE FETUS. (SEE WARNINGS IN PRESCRIBING INFORMATION FOR CLARITHROMYCIN,)
PSeudomembranous collitis has been reported with nearly all antibacterial agents, including learnthromycin and amoxicillin, and may range in severity from mild to life threatening. Therefore, it is important to consider this diagnosts in patients who present with diarrhee as besequent to the administration of antibacterial agents.
Treatment with antibacterial agents alters the normal flora of the colon and may permit overgrowth of clostridia. Studies indicate that a toxin produced by Clostridium difficile is a primary cause of "antibiotic-associated colitis."
After the diagnosis of pseudomembranous colitis usually respond to discontinuation of the drug alone. In moderate to severe cases, consideration should be quiven to management with fluid cases of pseudomembranous collis usually respond to discontinuation of the drug alone. In moderate to severe cases, consideration should be quiven to management with fluid asset and electrotyles, protein supplementation, and treatment with an antibacterial drug clinically effective against Clostridium difficile collis.
Ferious and occasionally fatal hypersensitivity reactions have been reported in patients on penicillim hypersensitivity and/or a history of sensitivity to multiple allergens. There have been well-documented reports of individuals with a history of penicillim hypersensitivity and/or a history of sensitivity to multiple allergens. There have been well-documented reports of individuals with a history of penicillim hypersensitivity reactions to penicillins, cephalosporins, and other allergens. If an allergic reaction occurs, amoxi

PRECAUTIONS

General
Symptomatic response to therapy with lansoprazole does not preclude the presence of gastric malignancy.
Information for Patients
PREVACID is available as a capsule, orally disintegrating tablet and oral suspension, and is available in 15 mg and 30 mg strengths. Directions for use specific to the route and available methods of administration for each of these dosage forms is presented below. PREVACID should be taken before eating. PREVACID products SHOULD NOT BE CRUSHED OR CHEWED. Phenylketonurics: Contains Phenylalanine 2.5 mg per 15 mg Tablet and 5.1 mg per 30 mg Tablet.

su mg rablet.

Administration Options

1. PREVACID Delayed-Release Capsules

PREVACID Delayed-Release Capsules should be swallowed whole.

Alternatively, for patients who have difficulty swallowing capsules, PREVACID Delayed-Release Capsules can be opened and administered as follows:

upen capsule.

Sprinkle intact granules on one tablespoon of either applesauce, ENSURE® pudding, cottage cheese, yogurt or strained pears.

Swallow immediates.

wallow immediately.

VACID Delayed-Release Capsules may also be emptied into a small volume of either pice, orange juice or tomato juice and administered as follows:

an acceptule

Sprinkle intact granules into a small volume of either apple juice, orange juice or tomato juice (60 mL – approximately 2 ounces).

Mix briefly

• Inix University.

- Swallow immediately.

- To ensure complete delivery of the dose, the glass should be rinsed with two or more volumes of juice and the contents swallowed immediately.

USE IN OTHER FOODS AND LIQUIDS HAS NOT BEEN STUDIED CLINICALLY AND IS THEREFORE NOT RECOMMENDED.

P. PREVACID SoluTab Delayed-Release Orally Disintegrating Tablets

E. FIREWOLD Solutab Dealyeur-Bease or any Distinguishing labels. PREVACID SoluTab should not be chewed. Place the tablet on the tongue and allow it to disintegrate, with or without water, until the particles can be swallowed. The tablet typically disintegrates in less than 1 minute.

disintegrates in less than 1 minute.

Alternatively, for children or other patients who have difficulty swallowing tablets,
PREVACIO SoluTab can be delivered in two different ways.

PREVACIO SoluTab — Oral Syringe,

For administration via oral syringe, PREVACID SoluTab can be administered as follows:

Place a 15 mg tablet in oral syringe and draw up approximately 4 mL of water, or place a
30 mg tablet in oral syringe and draw up approximately 10 mL of water.

Shake gently to allow for a quick dispersal.

After the tablet has dispersed, administer the contents within 15 minutes.

Pfellit the syringe with approximately 2 mL (5 mL for the 30 mg tablet) of water, shake gently, and administer any remaining contents.

PREVACIO SoluTab – Nasogastric Tube Administration (c 8 French)
For administration via a nasogastric tube, PREVACID SoluTab can be administered as
follows:
Place a 15 mg tablet in a syringe and draw up 4 mL of water, or place a 30 mg tablet in a
syringe and draw up 10 mL of water.
Shake gently olallow for a quick dispersal.
• After the tablet has dispersed, inject through the nasogastric tube into the stomach within
15 minutes

The minutes.

Refill the syringe with approximately 5 mL of water, shake gently, and flush the nasogastric

If any material remains after drinking, add more water, str., and drink immediately.
 This product should not be given through enteral administration tubes.
 Drug Interactions
 Lansporazole is metabolized through the cytochrome P₄₅₀ system, specifically through the CYPSA and CYP2C19 isozymes. Studies have shown that lansoprazole does not have clinically significant interactions with other drugs metabolized by the cytochrome P₄₅₀ system, such as warfarin, antipyrine, indomethacin, ibuprofen, phenyloin, propranolol, predinsone, diazepam, or clarithromycin in healthy subjects. These compounds are metabolized through various cytochrome P₄₅₀ sozymes including CYP1A2, CYP2C9.
 CYP2C919, CYP2C9, and CYP3A. When lansoprazole was administered concomitantly theophylline (CYP1A2, CYP3A), a minor increase (10%) in the clearance of theophylline was seen. Because of the small magnitude and the direction of the effect on theophylline was seen. Because of the small magnitude and the direction of the effect on theophylline was sented or stopped to ensure clinically effective blood levels.
 In a study of healthy subjects neither the pharmacokinetics of warfarin enantiomers no rothromothin time were affected following single or multiple 60 mg doses of lansoprazole. However, there have been reports of increased International Normalized Ratio (INR) and rothromothin time in patients receiving proton pump inhibitors, including lansoprazole, and warfarin concomitantly. Increases in INR and prothrombin time may lead to abnormal bleeding and even death. Patients treated with proton pump inhibitors and warfarin concomitantly. Increases in INR and prothrombin time fursible and warfarin concomitantly may need to be monitored for increases in INR and prothrombin time fursible. In a single-dose crossover study examining lansoprazole 30 mg and omeprazole 20 mg warfarin concomitantly with surcalitate 1 gram, absorption of the proton pump inhibitors and alone and con

drugs where gastric pH is an important determinant of bioavailability (e.g., ketocorazole, ampicillin esters, iron salts, digoxin).

Carcinogenesis, Mutagenesis, Impairment of Fertility
In two 24-month carcinogenicity studies. Sprague-Daviley rats were treated orally with doses of 5 to 150 mg/kg/day, about 1 to 40 times the exposure on a body surface (mg/m²) basis, of a 50-kg person of average helpitt (1-46 m² body surface area) given the recommended human dose of 30 mg/kg/day (222 mg/m²). Larsoprazole produced dose-related gastric enterochromaffin-like (ECL) cell hyperplasia and ECL cell carcinoids in both male and female rats. It also increased the incidence of intestinal metaplasia of the gastric epithelium in both sexes. In male rats, lansoprazole produced adose-related increase of testicular interstitial cell adenomas. The incidence of these adenomas in rats receiving dose of 15 to 150 mg/kg/day (4 to 40 times the recommended human dose based on body surface area) exceeded the low background incidence (range = 1.4 to 10%) for this strain of rat. Testicular interstitial cell adenoma also occurred in 1 of 30 rats treated with 50 mg/kg/day, 2 to 80 times the recommended human dose based on body surface area) in a 1-year toxicity study.

In a 24-month carcinogenicity study, CD-1 mice were treated orally with doses of 15 to 500 mg/kg/day, 2 to 80 times the recommended human dose based on body surface area. Lansoprazole produced a dose-related increased incidence of gastric ECL cell hyperplasia. It also produced an increased incidence of invert tumors (hepatocellular adenoma plus carcinoma). The tumor incidences in male mice treated with 150 to 600 mg/kg/day (20 to 80 times the recommended human dose based on body surface area) exceeded the ranges of background incidences in historical controls for this strain of mice. Lansoprazole treatment produced adenome of rete testis in male mice receiving 75 to 600 mg/kg/day (20 to 80 times the recommended human dose based on body surface area) as complexed to the strain

body surface area).

Lansoprazole was not genotoxic in the Ames test, the ex vivo rat hepatocyte unscheduled DMA synthesis (UDS) test, the in vivo mouse micronucleus test or the rat bone marrow cell chromosomal aberration test. It was positive in in vitro human lymphocyte chromosomal

chromosomal aberration test. It was pushive in in the aberration assays.

Lansoprazole at oral doses up to 150 mg/kg/day (40 times the recommended human dose based on body surface area) was found to have no effect on fertility and reproductive performance of male and female rats.

Pregnancy: Teratogenic Effects.

Pregnancy: Teratogenic Effects.

Lansoprazole
Teratology studies have been performed in pregnant rats at oral doses up to 150 mg/kg/day
(40 times the recommended human dose based on body surface area) and pregnant rabbits
at oral doses up to 30 mg/kg/day (16 times the recommended human dose based on body
surface area) and have revealed no evidence of impaired fertility or harm to the fetus do
lansonrazole.

jeints 10 11 years or age (1=00) more companies to the form of the safety of PREVACID Delayed-Release Capsules has been assessed in these adolescent patients. Of the 67 adolescent patients with GERD, 6% (5/87) took PREVACID <-6 weeks, 93% (81/87) for 6-10 weeks, and 1% (1/87) for >10 weeks. he most frequently reported (at least 3%) treatment-related adverse events in these tients were headache (7%), abdominal pain (5%), nausea (3%) and dizziness (3%), statent-related dizziness, reported in this package insert as occurring in <1% of adultients, was reported in this package insert as occurring in <1% of dizziness concurrently with other events (such as migraine, dyspnea, and vomitting).

Use in Geriatric Patients
Ulcer healing rates in elderly patients are similar to those in a younger age group. The

ADVERSE REACTIONS
Clinical
Worldwide, over 10,000 patients have been treated with lansoprazole in Phase 2-3 clinical
trais involving various dosages and durations of treatment. The adverse reaction profiles for
PREVACID Delayde-Release Capsulses and PREVACID of Delayde-Release Oral Suspension
are similar. In general, lansoprazole treatment has been well-tolerated in both short-term
and long-term trials.
The following adverse events were reported by the treating physician to have a possible or
probable relationship to drug in 1% or more of PREVACID-treated patients and occurred at
a greater rate in PREVACID-treated patients than placebo-treated patients.
Incidence of Possibly or Probably
Treatment-Related Adverse Events in Short-Term, Placebo-Controlled Studies

Treatment-Related Adverse Events in Short-Term, Placebo-Controlled Studies	
PREVACID	Placebo
(N= 2768)	(N= 1023)
%	%
2.1	1.2
1.0	0.4
3.8	2.3
1.3	1.2
	PREVACID (N= 2768) % 2.1 1.0 3.8

Nausea
Headache was also seen at greater than 1% incidence but was more common on placebo. The incidence of diarrhea was similar between patients who received placebo and patients who received lansoprazole 15 mg and 30 mg, but higher in the patients who received lansoprazole 6 mg (2.9%, 1.4%, 4.2%, and 7.4%, respectively). The most commonly reported possibly or probably treatment-related adverse event during maintenance therapy was diarrhea. In the risk reduction study of PREVACID for NSAID-associated gastric ulcers, the incidence of diarrhea for patients treated with PREVACID was 5%, misoprostol 22%, and placebo 3%. Additional adverse experiences occurring in <1% of patients or subjects in domestic trials are shown below. Refer to Postmarketing for adverse reactions occurring since the drug was marketed.

Additional adverse experiences occurring in <1% of patients or subjects in domestic trials are shown below. Refer to Postmarketing for adverse reactions occurring since the drug was marketed.

Body as a Whole – abdomen enlarged, allergic reaction, asthenia, back pain, candidiasis, carcinoma, chest pain (not otherwise specified), chilis, edema, fever, flu syndrome, halitosis, infection (not otherwise specified), malaise, neck pain, neck rigidity, pain, pelvic pain; Cardiovascular System – angina, arrhythmia, bradycardia, cerebrovascular accidenticerebral infarction, hypertension/hypotension, migraine, myocardial infarction, palpitations, shock (circulatory failure), syncope, Lachycardia, vasodidiation; Digestive System – ahonormal stools, anorexia, bezoar, cardiospasm, choleithiasis, colitis, dry mouth, dyspepsia, dysphagia, entertitis, eructation, espohageal stenosis, seophageal ulcer, esophagitis, fecal discoloration, flatulence, gastric nodules/fundic gland polyps, gastriits, gastroenteritis, guartenome, esophageal stenosis, esophageal ulcer, esophagitis, fecal discoloration, flatulence, gastric nodules/fundic gland polyps, gastriits, gastroenteritis, guartenome, esophageal stenosis, esophageal ulcer, esophagitis, fecal discorderation, flatulence, gastric nodules/fundic gland polyps, gastriits, gastroenteritis, guartenome, esophageal stenosis, esophageal ulcer, esophagitis, fecal disorder, rectal hemorrhage, stomatist, tenesmus, thirst, tonque disorder, ulcerative collists, ulcerative stomatis; Endocrine System - diabetes mellitus, goliter, hypothyroidism; Hemicand Lymphatic System - anemia, hemolysis, lymphadenopathry, Metabolic and Mutritional plandras of pout, delivytration, hyperdylemain/pyoglovemia, peripheral edema, weight gain/loss; Musculoskeletal System - arthralgia, arthritis, bone disorder, joint disorder, logicans, margalia, myastreha, synovitis, Rhenous System - ahonomal dreams, agitation, amnesia, anviety, apathy, confusion, convulsion, depersonalization, diplonal, diziness, emotional tablity, f

Special Senses - speech disorder; Urogenital System - uninary retention.

Combination Therapy with Amoxicillia and Clarithromycin.

In clinical trials using combination therapy with PREVACID plus amoxicillin and clarithromycin, and PREVACID plus amoxicillin, no adverse reactions peculiar to these drug combinations were observed. Adverse reactions that have occurred have been limited to those that had been previously reported with PREVACID, amoxicillin, or clarithromycin. Triple Therapy: PREVACID/amoxicillin/clarithromycin.

The most frequently reported adverse events for patients who received triple therapy for 14 days were diarrhea (7%), headachse (6%), and taste perversion (5%). There were no observed at significant differences in the frequency of reported adverse events between the 10- and 14-day triple therapy regimens. No treatment-emergent adverse events were observed at significantly higher rates with triple therapy than with any dual therapy regimens. Dual Therapy PREVACID/amoxicillin

The most frequently reported adverse events for patients who received DEDIA/CLINIA at a control of the cont

Dual Therapy: PREVACID/amoxicillin
The most frequently reported adverse events for patients who received PREVACID Ltd. plus
moxicillin Ltd. dual therapy were diarrhea (8%) and headache (7%). No treatmentemergent adverse events were observed at significantly higher rates with PREVACID Ltd.
plus amoxicillin Ltd. dual therapy than with PREVACID alone.
For more information on adverse reactions with amoxicillin or clarithromycin, refer to their
package inserts, ADVERSE REACTIONS sections.

Laboratory Values
The following changes in laboratory parameters for lansoprazole were reported as adverse

events:
Abnormal liver function tests, increased SGOT (AST), increased SGPT (ALT), increased SGPT (ALT), increased SGPT (ALT), increased GGPP, increased discreased alkaline phosphatase, increased globulins, increased GGPP, increased/decreased/abnormal MBC, abnormal AG ratio, abnormal RBC, bilirubinemia, eosinophilla, hyperlipemia, increased/decreased electrolytes, increased/decreased/abnormal belatels, and increased gather indevels. Unire abnormalities such as abuminuria, glycosuria, and hematuria were also reported. Additional isolated laboratory abnormalities were renorted.

and hematina were also reported. According to Society according according to the reported.

In the placebo controlled studies, when SGOT (AST) and SGPT (ALT) were evaluated, 0.4% (41/2677) lansoprazole patients had enzyme elevations greater than three times the upper limit of normal range at the final treatment visit. None of these lansoprazole patients reported jaundice at any time during the study. In clinical trials using combination therapy with PREVACID plus amoxicillin, activities and PREVACID plus amoxicillin, no increased laboratory abnormalities particular to these drug combinations were observed.

For more information on laboratory value changes with amoxicillin or clarithromycin, refer to their package inserts, ADVERSE REACTIONS section.

to their package inserts, AUVENSE REALTHURS SECTION.

OVERDOSAGE

Oral doses up to 5000 mg/kg in rats (approximately 1300 times the recommended human dose based on body surface area) and mine (about 675.7 times the recommended human dose based on body surface area) did not produce deaths or any clinical signs.

Lansoprazole is not removed from the circulation by hemodialysis. In one reported case of overdose, the patient consumed 600 mg of lansoprazole with no adverse reaction. Distributed by
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are the agents of choice, and benzodiazepines may be added for concurrent anxiety, particularly in the first weeks of treatment.