

Body System/ Adverse Event	Placebo N=270	10 mg N=863	20 mg N=36	40 mg N=79	80 mg N=94
BODY AS A WHOLE					
Infection	10.0	10.3	2.8	10.1	7.4
Headache	7.0	5.4	16.7	2.5	6.4
Accidental Injury	3.7	4.2	0.0	1.3	3.2
Flu Syndrome	1.9	2.2	0.0	2.5	3.2
Abdominal Pain	0.7	2.8	0.0	3.8	2.1
Back Pain	3.0	2.8	0.0	3.8	1.1
Allergic Reaction	2.6	0.9	2.8	1.3	0.0
Asthenia	1.9	2.2	0.0	3.8	0.0
DIGESTIVE SYSTEM					
Constipation	1.8	2.1	0.0	2.5	1.1
Diarrhea	1.5	2.7	0.0	3.8	5.3
Dyspepsia	4.1	2.3	2.8	1.3	2.1
Flatulence	3.3	2.1	2.8	1.3	1.1
RESPIRATORY SYSTEM					
Sinusitis	2.6	2.8	0.0	2.5	6.4
Pharyngitis	1.5	2.5	0.0	1.3	2.1
SKIN AND APPENDAGES					
Rash	0.7	3.9	2.8	3.8	1.1
MUSCULOSKELETAL SYSTEM					
Arthralgia	1.5	2.0	0.0	5.1	0.0
Mvalgia	1.1	3.2	5.6	1.3	0.0

Arthralgia 1.5 2.0 0.0 5.1 0.0 Myaigia 1.1 3.2 5.6 1.3 0.0 Anglo-Scandinavian Cardiac Outcomes Trial (ASCOT): In ASCOT involving 10,305 participants treated with atorvastatin 10 mg daily (n=5,168) or placebo (n=5,137), the safety and tolerability profile of the group treated with atorvastatin was comparable to that of the group treated with placebo during a median of 3.3 years of follow-up. The following adverse events were reported, regardless of causality assessment, in patients treated with atorvastatin in clinical trials. The events in italics occurred in $\geq 2\%$ of patients and the events in plain type occurred in <2% of patients. Body as a Whole: *Chest pain*, face edema, fever, neck rigidity, malaise, photosensitivity reaction, generalized edema. Digestive System: *Nausea*, gastroenteritis, liver function tests abnormal, colitis, vomiting, gastritis, dry mouth, rectal hemorrhage, esophagitis, eructation, glossitis, mouth ulceration, anorexia, increased appetite, stomatitis, hepatitis, bencreatitis, duderal ulcer, dysphagia, enteritis, melena, gum hemorrhage, stomach ulcer, tensemus, ulcerative stomatitis, hepatitis, pancreatitis, duderal ulcer, dysphagia, enteritis, melena, gum hemorrhage, stomach ulcer, tensemus, ulcerative stomatitis, hepatitis, pancreatitis, duderal upcr, dyshin, sweating, acne, uriticaria, ezeram, seborrhea, skin ulcer, **Lrogenital System**: *Arinitis*, leg cramps, bursitis, tenosynovitis, myasthenia, tendinous contracture, myositis. Sith and Appendages: Puritus, contact dermatitis, alopecia, dry skin, sweating, acne, uriticaria, ezeram, seborrhea, skin ulcer, **Lrogenital System**: *Liniary tract infection*, uritary frequency, cystitis, hematuria, impotence, dysuria, kidney calculus, nocturia, epididymitis, fibrocystic breast, vaginal hemorrhage, albuminuria, breast enlargement, metrorrhagia, nephritis, urinary incontinence, urinary retention, urinary regregive, abnormal ejaculation, uterine phosphokinase increased, gout, weight gain, hypoglycemia. Hemic and Lymphatic System: Ecchymos

Safety and tolerability profile of atorvastatin to to 20 mg daily was generally similar to that of placebo (see **PRECAUTIONS**, **Pediatric Use**). **OVERDOSAGE**: There is no information on overdosage with CADUET in humans. **Information on AmIodipine**: Single oral doses of amlodipine maleate doses equivalent to 4 or more mg amlodipine/kg in dogs (11 or more times the maximum recommended clinical dose on a m/m² basis) caused a marked peripheral vasodilation and hypotension. Overdosage might be expected to cause excessive peripheral vasodilation with marked hypotension and possibly a reflex tachycardia. In humans, experience with intentional overdosage of amlodipine is limited. Reports of intentional overdosage include a patient who ingested 250 mg and was asymptomatic and was not hospitalized, and had hypotension (90/50 mmHg) which normalized following plasma expansion. A patient who took 70 mg amlodipine and an unknown quantity of benzodiazepine plasma concentration. A case of accidental drug overdose has been documented in a 19-month-old male who ingested 30 mg amlod bpm. Jpeace 3.5 hours after ingestion and on subsequent observation (overnight) no sequelae were noted. If massive overdose should occur, active cardiac and respiratory monitoring should be instituted. Frequent blood pressure measurements are essential. Should hypotension occur, cardiovascular unitoring should be instituted. Frequent blood pressure measurements are essential. Should hypotension occur, cardiovascular unitoring should be instituted. Frequent blood pressure measurements are essential. Should hypotension on Advascular dready with attention to drug and bypine should be considered with attention to circulating volume and urine output. Intravenous calcium gluconate may help to reverse the effects of calcium emains unresponsive to these conservative measures, administration of fluids should be instituted. Trequent blood pressure measurements are essential. Should hypotension occur, cardiovascular unitoring should be considered with hattene

*Based on patient weight of 50 kg. **These events occurred in less than 1% in placebo-controlled trials, but the incidence of these side effects was between 1% and 2% in all multiple dose studies. ₿ only

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Menopausal Hormones May Bring On Depression

BY MARY ANN MOON Contributing Writer

he "changing hormonal milieu" of menopause is strongly associated with new-onset major depression as well as depressive symptoms in women with no history of mood disturbance, reported Ellen W. Freeman, Ph.D., of the departments of ob.gyn. and psychiatry at the University of Pennsylvania, Philadelphia, and her associates.

Women are significantly more likely to develop a depressive disorder when their

levels of estradiol fluctuate, levels of FSH and LH increase, and levels of inhibin B decrease, as happens during the transition to menopause. It appears that the hormonal changes characteristic of

ovarian aging produce "destabilizing effects" that contribute to depression, Dr. Freeman and her associates in the Penn Ovarian Aging Study commented.

This finding should make a substantial contribution to what has been only "limited evidence" in the literature about mood symptoms in the perimenopausal years. "Whether mood symptoms increase in the perimenopausal years and whether the occurrence of depressed mood is independently associated with ovarian changes or is secondary to vasomotor or other bothersome symptoms" has been controversial, they noted.

Dr. Freeman and her associates examined the issue by assessing fluctuations in reproductive hormone levels in 231 premenopausal women aged 35-47 years at baseline who were followed for 8 years. During that interval, 43% of the women entered the transition to menopause.

Hormone assays were conducted in 10

assessment periods, with the first 6 at 8month intervals. Blood samples were collected at the start of menstrual cycles, and subjects also were interviewed concerning their overall health, demographic factors, and menopausal symptoms. Depressive symptoms were assessed using the CES-D (Center for Epidemiological Studies-Depression) scale, and either the PRIME-MD (Primary Care Evaluation of Mental Disorders) or the PHQ (Patient Health Questionnaire) was used to detect major depressive disorder.

Of the 231 women, 116 (50%) had de-

The data should make a substantial contribution to the 'limited evidence' regarding mood symptoms during perimenopause.

DR. FREEMAN

pressive symptoms on the CES-D during follow-up and 59 (26%) had depressive disorders on the PRIME-MD or PHQ; 26 had major depressive disorder and 33 had other depressive disorders (Arch.

Gen. Psychiatry 2006;63:375-82).

Changes in individual women's levels of FSH, LH, and inhibin B were significantly associated with depressive symptoms and with major depression. Similarly, variability in a woman's mean levels of estradiol, FSH, and LH also were linked to depression and depressive symptoms.

After the data were adjusted for several other depression risk factors, including change in employment status or marital status, the researchers found that a woman was, on average, more than five times "more likely to be in menopausal transition at the time of reporting high [depression] scores than she was before the onset of depressive symptoms."

The "strongest risk factor for the new onset of diagnosed depressive disorders was the increased variability of estradiol [around the woman's own mean levels] at the time of the diagnosed disorder," Dr. Freeman and her associates said.

Women Entering Menopause Have Increased Risk of Major Depression

Women beginning menopause are more likely to develop new-onset major depression than are women the same age who are not yet making the transition to menopause, reported Dr. Lee S. Cohen and his associates in the Harvard Study of Moods and Cycles.

A cross-sectional sample of 460 women aged 36-45 years was prospectively followed every 6 months for 59-92 months. A total of 326 of the women entered menopause during the study, said Dr. Cohen and his associates at Harvard Medical School, Massachusetts General Hospital, and Brigham and Women's Hospital, all in Boston. None of the women had a history of major depression.

The rate of new-onset major depression was 16.6% in the menopausal women, compared with 9.5% in those who had not yet entered menopause, after the data had been adjusted to account for age at study enrollment and history of negative life events (Arch. Gen. Psychiatry 2006;63:385-90).

This correlation between onset of depression and transition to menopause was noted both in women who used hormone therapy and in those who did not.

New-onset depression was more likely to develop in women who reported vasomotor symptoms than in those who did not. Hot flushes may disrupt sleep "enough to adversely affect daytime functioning and to impact quality of life," the investigators said. Alternatively, "abrupt changes in neuromodulatory function and/or in reproductive-hormone levels could contribute to the constellation of mood and vasomotor symptoms."

–Marv Ann Moon