Supplementary Online Content


**eMethods.** Participant Selection

This supplementary material has been provided by the authors to give readers additional information about their work.
eMethods. Participant Selection

Control women were matched with those with a past PMD by age (within five years), BMI (within 2.5 units), and duration of time since last menstrual period (within two years). Exclusion criteria consisted of a past history of severe major depression with suicidal ideation; current treatment with antidepressant medications; a history of either carcinoma of the breast or uterus; and recurrent migraine headaches. We also excluded women with histories of either PMD that was not responsive to HT or HT-induced dysphoria (due to either the estrogen or the progesterone components of their HT) based on clinical interview.

Six of the women with a past PMD and two control women were on thyroid medication; three women with a past PMD and two control women were taking cholesterol-lowering medications. No participant had any current medical illness or contraindications to estradiol therapy (ET), and all had normal physical examination and laboratory test results (including thyroid function).