Cureus

Open Access
Poster

Cureus

Differential Time Course Efficacy on Dysphoric & Physical Symptoms of the Intermittent Dosing of Fluoxetine in the Premenstrual Dysphoric Disorder

Jorge M. Tamayo [1] , Cecilia Adrianzén

1. CES University 2.

Corresponding author: Jorge M. Tamayo, tamayojm@gmail.com

Categories: Psychiatry
Keywords:

How to cite this poster
Tamayo J M, Adrianzén C (2012) Differential Time Course Efficacy on Dysphoric & Physical Symptoms of the Intermittent Dosing of Fluoxetine in the Premenstrual Dysphoric Disorder. Cureus 4(11): e524.

Abstract

Premenstrual Dysphoric disorder (PMDD) has been validated by several epidemiological, pharmacological, biochemical and genetic studies. This prospective open-label trial evaluated the efficacy and safety of the intermittent treatment with 20 mg of fluoxetine taken daily during 3 consecutive menstrual cycles in the luteal phase in patients with PMDD according to the diagnostic criteria from DSM-IV. Thirty Latinos patients (Hispanics) with diagnosis of PMDD without depression, were recruited in 2 outpatient specialized centers in Colombia. All patients received 20 mg of fluoxetine taken daily during 3 consecutive menstrual cycles in the luteal phase. The primary efficacy measure was the percentage of change from the initial score in the Calendar of Premenstrual Experiences (COPE) after three consecutive luteal phases. The administration of the COPE showed a significant progressive reduction in the total score of this scale with respect to the initial point of comparison, 37.8% at the end of the first cycle of treatment ($p = 0.032$), 54.4% after two cycles ($p < 0.001$) and 77% after three cycles ($p < 0.001$). A reduction on dysphoric symptoms was observed since the first cycle of treatment ($p < 0.001$). However, other mood and physical symptoms changes were statistically significant only from the second cycle of treatment. This disparity in response for different symptom categories may suggest a novel mechanism of action of SSRIs in patients with PMDD.

Open Access
Published 11/03/2012

65