

The Effect of Aromatherapy with Citrus aurantium Blossom Essential Oil on Premenstrual Syndrome in University Students: A Clinical Trial Study

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Abstract : Background: The aim was to investigate the effect of aromatherapy using Citrus aurantium blossom essential oil on premenstrual syndrome in university students. Methods: In this double-blind clinical trial was controlled on 62 students from March 2016 to February 2017. The intervention with 0.5% of C. Aurantium blossom essential oil and control was inhalation of odorless sweet almond oil in the luteal phase of the menstrual cycle. The screening questionnaire (PSST) for PMS was filled out before and also one and two months after the intervention. Results: Mean score of overall symptoms of PMS between the Bitter orange and control groups in the first ($p < 0.003$) and second months ($p < 0.001$) of the intervention was significant. Besides, decreased the mean score of psychological symptoms in the intervention group ($p < 0.001$), but on physical symptoms and social function were not significant ($p > 0.05$). Conclusion: The aromatherapy with Citrus aurantium blossom improved the symptoms of premenstrual syndrome.

Keywords : aromatherapy, Citrus Aurantium, premenstrual syndrome, oil, students

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