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Improvement of the anxiety and depression during using Camaneur herbal distillate: comprehensive survey of the antioxidant effects

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Abstract

Oxidative stress has been implicated in a variety of pathological conditions and traumatic events. It has been debated that brain oxidative stress disturbances might be a plausible pathogenesis and risk factor for several specific diseases of the nervous system including behavioral disturbances and disorders. Recently, Herbal products are increasingly used, mainly in human illnesses. Essential oils are botanical origin complex mixtures of volatile aroma compounds. These oils are derived by mechanical pressing, hydro distillation, steam distillation or supercritical fluid extraction of virtually every plant parts. Golbahar Gostar Company after examining various materials and compounds, has obtained Camaneur herbal distillate with antioxidant compounds such as Quercetin, Linalool, Limonene, Coumarin and Vitamin C improves anxiety and depression. This review investigates the available studies on the antioxidant effects of some medicinal plants (*Rosa damascena*, *Lavandula angustifolia*, *Citrus aurantium*, *Achillea millefolium*, *Matricaria chamomilla*, *Thymus vulgaris*) used in Camaneur herbal distillate produced by this Company. On anxiety and depression. The present article incorporated a detailed interpretation of the six medicinal plants, emphasizing its therapeutic uses, pharmacological properties such as antioxidant activities, and mechanism of action based on preclinical and clinical studies, safety issues along with the current research potential of the medicinal plants. **Keywords:** Oxidative stress, Antioxidant, Anxiety, Depression, Camaneur herbal distillate, Medicinal Plants.

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