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Pathophysiology and antioxidant status of patients with fibromyalgia.

Iqbal R¹, Mughal MS, Arshad N, Arshad M.

+ Author information

Abstract

Fibromyalgia syndrome (FMS) is characterized by systemic pain of unknown etiology and is often accompanied by various psychological symptoms. Research on different parameters in **fibromyalgia** (FM) indicates that multifactors are involved in its pathophysiology; such as genetic factors, substance P, serotonin, hypothalamic pituitary adrenal axis (HPA), muscles metabolic dysfunction, reactive oxygen species (ROS) and reactive nitrogen species (RNS). **Oxidative stress** has also been implicated in the pathophysiology of FM; therefore, supplementation with antioxidants may be important in modulation of the effects of ROS in patients with FM.

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