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Abstract

Introduction: Coenzyme Q10 (CoQ10), as a supplement with a special role in mitochondrial electron transport chain, could be used as a successful migraine preventative therapy. The purpose of this study was to investigate the effect of CoQ10 supplementation on lactate, pyruvate, Matrix metalloproteinase 9 (MMP-9) and nitric oxide (NO) levels in addition to migraine attacks in women with migraine.

Methods*:* This randomized, double-blind, placebo-controlled clinical trial was performed among 46 patients diagnosed with migraine. Subjects were randomly assigned to placebo group