عنوان مقاله:

The effects of curcumin and a modified curcumin formulation on serum Cholesteryl Ester Transfer Protein concentrations in patients with metabolic syndrome: A randomized, placebo-controlled clinical trial

محل انتشار:

مجله گیاهان دارویی ابن سینا, دوره 8, شماره 4 (سال: 1397)

تعداد صفحات اصل مقاله: 8

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خلاصه مقاله:

Objective: Cholesteryl Ester Transfer Protein (CETP) mediates the transfer of cholesteryl ester from HDL-C to LDL-C and VLDL-C. The aim of the present trial was to evaluate the effect of curcumin and its modified formulation on serum CETP concentrations in patients with metabolic syndrome. Materials and Methods: Participants were randomly allocated to one of three groups of 40 subjects receiving either unmodified curcumin or its phospholipid complex or placebo. Lipid profile and plasma CETP were measured at the start and sixweeksafter initiation of the treatment.The normality of data distribution was assessed by Kolmogorov-Smirnov test. Wilcoxon test was used for comparing the data before and after the intervention. The percent changes of CETP and biochemical factors among the three groups were compared using Kruskal-Wallis test. Results: Serum CETP levels were not significantly altered among patients .receiving curcumin. Conclusion: Curcumin and its complex had no significant effect on serum CETP concentrations

کلمات کلیدی:

metabolic syndrome, HDL-C, CETP, Curcumin, Atherogenesis