

عنوان مقاله:

Effects of Whey Protein Concentrate on Glycemic Status, Lipid Profile and Blood Pressurein Overweight/obese Women with Type Y Diabetes Mellitus: A Randomized PlaceboControlled Clinical Trial

محل انتشار:

همايش بين الملَّلي غذاي طيب (سال: 1401)

تعداد صفحات اصل مقاله: 22

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خلاصه مقاله:

Objectives: Due to the insufficient data on the metabolic consequences of long-term whey protein(WP) consumption, in this trial we aimed to examine the effects of WP, as fortified bread, onglycemic status, lipid profile and blood pressure in overweight/obese women with type Y diabetesmellitus (TYDM).Methods: In a \u00a7-week double-blind placebo-controlled randomized clinical trial, Fhoverweight/obese women with TYDM were randomly allocated into either WP (bread fortified by Yo g WP concentrate) or placebo (unfortified bread) group. At pre- and post-intervention phase, physical activity, blood pressure, serum levels of glucose, insulin, glycosylated hemoglobin A1C(HbA1C), and lipid profile as well as dietary intakes were assessed. The homeostatic modelassessment for insulin resistance (HOMA-IR) was used for estimation of insulin resistance. Results: Thirty five patients completed the trial. At the endpoint, there were no significant between-group differences for the assessed glycemic parameters (p > o.oa), except HbA\C, whichwas higher in the WP group after adjusting for the confounders and baseline values (p < ∘.∘a). Fasting serum level of insulin in both WP and placebo groups (p < •.•Δ). Therewere no significant within- or between- group changes for lipid profile and blood pressure of thepatients (p > o.oa). Conclusion: Three month consumption of the WPC fortified bread, has no effects on lipid profileand blood pressure. It may cause some undesirable changes in .some glycemic indices amongoverweight/obese women with TYDM

کلمات کلیدی: Whey Proteins, Diabetes Mellitus, Lipids, Blood Pressure

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