

عنوان مقاله:

EFFECT OF HYPOLIPIDEMIC SUPERNATANT LACTOBACILLUS GASSERI IN HEALTHY AND DIABETIC LABORATORY MICE

محل انتشار:

نوزدهمین کنگره بین المللی میکروب شناسی ایران (سال: 1397)

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خلاصه مقاله:

Background and Aim: Diabetes mellitus is a group of metabolic diseases characterized by hyperglycemia. Due to the side effects of hypoglycemic and insulin oral agents, the use of natural products is considered necessary. Probiotics are the natural flora of the body, which has proven the high frequency of hypoglycemic effects of some of them. Also, research has shown the effect of lowering cholesterol in some Lactobacillus species. In this study, the effects of Lactobacillus gasseri supernatant on triglyceride and cholesterol levels in male and female rats, healthy and diabetic by streptozotocin. **Methods:** Supernatant Lactobacillus gasseri was treated with intraperitoneal injection at concentrations of 100,150,200,250,300,400 mL / kg of body weight for 20 days. The blood sample was collected after 20 days. Healthy and The diabetic control were treated with saline. Serum cholesterol and triglyceride levels were measured by the enzyme method. **Results:** Supernatant Lactobacillus gasseri reduces serum cholesterol and triglyceride in streptozotocin-induced diabetic rats. The results of this study indicate that Hypolipidemic effect is in supernatant Lactobacillus gasseri. **Conclusion:** This plant can be considered as a good candidate in Diabetes mellitus .disease research. Effective combinations of Supernatant Lactobacillus gasseri are still not known

کلمات کلیدی:

Lactobacillus gasseri, Hypolipidemic, Diabetes mellitus, Laboratory rat

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