

عنوان مقاله:

Reduction of serum cholesterol in hypercholesterolemic rats by Guar gum

محل انتشار:

مجله گیاهان دارویی ابن سینا، دوره 1، شماره 1 (سال: 1390)

تعداد صفحات اصل مقاله: 7

نویسندگان:

Saeed Samarghandian - *Department of Physiology, School of Medicine, Mashhad University Medical Sciences, Mashhad, I. R. Iran*

Mosa-Al-Reza Hadjzadeh - *Department of Physiology, School of Medicine, Mashhad University Medical Sciences, Mashhad, I. R. Iran*

Atiyeh Sadat Davari - *Department of Physiology, School of Medicine, Mashhad University Medical Sciences, Mashhad, I. R. Iran*

Marziyeh Abachi - *Department of Biology, School of Sciences, Islamic Azad University, Mashhad Branch, I. R. Iran*

خلاصه مقاله:

Objective: Several diseases are reported to be uncommon in those parts of the world where dietary fiber intakes are high, therefore, in this study; we evaluated the hypocholesterolemic effects of a dietary fiber (guar gum) in hypercholesteromic rats. Materials and Methods: Rats were fed high-fat or a normal fed diet for 12-week then treated with 5% guar gum in their regime during a 28 days period. Results: Total cholesterol was significantly increased in high-fat diet rats, while administration of guar gum significantly lowered it. Body weight was significantly increased in high-fat diet rats while, at the end of 4-weeks treatment of guar gum, body weight of treated rats was significantly decreased. Conclusion: These results suggested that guar gum may be effective as hypocholesterolemic agent and may prevent hypercholesteromia in hypercholesteromic rats. The results also suggested that guar gum may be important for reducing body weight in hyperlipidemic rats.

کلمات کلیدی:

Dietary fiber, Guar gum, Hypercholesteromic, lipid profile, Rat

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/930651>

