Colesterol. Efeito dos polissacarídeos do Ganoderma lucidum nos lipídeos séricos e na lipoperoxidação: diminui colesterol total, LDL-colesterol e triglicérides e aumenta HDL-colesterol ao lado de diminuir a peroxidação lipídica

[Effects of ganoderma lucidum polysaccharides on serum lipids and lipoperoxidation in experimental hyperlipidemic rats].

[Article in Chinese]
Chen WQ, Luo SH, Li HZ, Yang H.
Zhongguo Zhong Yao Za Zhi. 2005 Sep;30(17):1358-60.

Source
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Abstract

OBJECTIVE:

To investigate the effect of ganoderma lucidum polysaccharides on blood lipid and lipoperoxidation from the experimental hyperlipidemic rats.

METHOD:

50 rats were randomly divided into normal group, hyperlipidemia control group, experimental group 1, 2 and 3 in which the rats were treated with ganoderma lucidum polysaccharides at dosages of 200 mg x kg(-1) and 400 mg x kg(-1) and 800 mg x kg(-1) respectively. Apart from the rats in control group, all the rats in other groups were fed with high fat forage for 30 days. The blood was collected from the tails of rats for measuring the serum TC, TG, HDL-C, LDL-C, GSH-Px, SOD and LPO.

RESULT:

Ganoderma lucidum polysaccharides could significantly decrease the serum contents of TC, TG, LDL-c in the experimental hyperlipidemic rats (P < 0.01), and markedly increase the level of serum HDL-C (P < 0.05), Mean Level of blood LPO in the experimental groups treated by ganoderma lacidum
polysaccharides at different dosages were much lower than that in hyper lipidema group, and the GSH-Px and SOD activities of blood in the group of ganoderma were much higher than those in hyperlipidema group.

**CONCLUSION:**

Ganoderma can regulate lipid metabolism, enhance the antioxidation and reduce the lipid peroxidation in the rats with hyperlipidemia.

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