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EFFECT OF FISH OIL ON BLOOD CHOLESTEROL LEVEL IN RATS FED WITH HYPERCHOLESTEROLEMIC DIET

Abstract

The effect of dietary fish oil on serum cholesterol level of 26 three-month-old male wistar rats, after feeding with hypercholesterolemic diet for 4 weeks was studied. The rats were divided into two groups, i.e., control group with hypercholesterolemic diet (10% w/w laid) and treatment group (10%) as a substitute laid, while food and water being provided freely (ad libitum). The duration of treatment was 4 weeks. After treatment was accomplished, serum total cholesterol level was measured, and the acquired data were statistically analyzed by T-test. The result of this study showed that there were significant differences in serum total cholesterol between control and treatment group. Serum total cholesterol level of treatment group was significantly lower than that in control group, and there was also no significant difference in body weights between both groups before and after treatment.

Keyword : dietary, fish, oil, cholesterol, level, hypercholesterolemic, diet,

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