

# Studying the Effect of Mountain honey on Some Biochemical Parameters in Local Male Rabbits Suffering from Experimentally Induced Hyperlipidemia by Cholesterol.

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- **Abstract:** The current study aims to identify the therapeutic and preventive effect of some honey bee products, including mountain honey, and comparing its effect with the effect of Atorvastatin on some biochemical parameters of local male rabbits affected with hyperlipidemia that is induced experimentally by cholesterol. The biochemical parameters include estimating the levels of the lipid profile, which includes total cholesterol, triglycerides, low density lipoproteins, high density lipoproteins, and testicular fat hormone T. Hyperlipidemia is induced in the male rabbits used in the study by (2% cholesterol) with coconut oil (2%) and after 4 weeks the treatment phase started. The results of the biochemical tests for the induced cholesterol group, which are without treatment, show a significant increase in the levels of TC, TG and LDL-C, and a significant decrease in the levels of HDL-C and testicular lipid hormone. The groups treated with mountain honey show a decrease in the levels of TC, TG, and LDL-C and a high level of HDL-C and testicular fat hormone T, while the group treated with atorvastatin show a significant decrease in the levels of TC, TG, LDL-C and an increase in the level of HDL-C. There is no effect shown on the testicular lipid hormone T.
- **Keywords:** therapeutic and preventive effect, biochemical parameters, Hyperlipidemia, hormone T.