



### ABSTRACT

The present study aimed at evaluating the lipid lowering activity of commercially prepared grape seed oil (GSO) in hyperlipidemia-induced male albino rats. The different groups of animals were given a high-fat diet to induce hyperlipidemia (high-saturated fatty acid butter rich diet). GSO was administered to the hyperlipidemia-induced rats at doses approx. 0.40 mL, approx. 0.80 mL, and approx. 1.60 mL respective to treatment groups. The effect of GSO to the lipid profile parameters (total cholesterol, triglycerides, VLDL, LDL, and HDL) was measured. GSO did not produce a significant ( $p < 0.05$ ) decrease in all lipid profile parameters except for LDL. The only the 0.40 mL dosage yielded the effects with significance to the negative control. The findings suggest that GSO has a lipid-lowering activity on the LDL of the test subjects.