

EFFECTS OF ADMINISTRATION OF TWO DIFFERENT DOSES FROM VALPROIC ACID ON LIPID PROFILE IN MALE RATS

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ABSTRACT

Antiepileptic drugs influence, among others, cholesterol and lipoprotein serum level, we designed this study to assume the effects of dose amount on this parameters. In this study Serum cholesterol, HDL, LDL, VLDL and triglycerides (TGs) levels were measured in eighteen healthy male Wistar rats (150-200 g) (subdivide randomly to three groups) after receiving two doses (0.25 mg/kg and 0.5 mg/kg) of Valproic acid (VPA) respectively for twenty day. Compared with controls, rats on (0.25 mg/kg) dose showed nonsignificant reduced TGs, VLDL, Cholesterol and HDL levels, and nonsignificant increase in LDL values, While rats on (0.5 mg/kg) dose showed significant reduced TGs, HDL and VLDL values and nonsignificant reduce in Cholesterol values and non significant increase in LDL values.

KEYWORDS: Cholesterol, Tgs, HDL, LDL, VLDL, Valproic Acid