



## Lipid Lowering Effect of Alpha Adrenoreceptor Blocker and Antidiabetic Drug in Experimental Animals

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**Abstract:** Lipid Lowering Effect of Alpha Adrenoreceptor Blocker and Antidiabetic Drug in Experimental Animals. **Methods:** Hyperlipidemia was induced by intraperitoneal injection of poloxamer 407 at a dose of 400mg/kg body weight in wistar albino rats. Drugs treatment were done by oral gavage for 3 days. At the end of the study, animals were kept fasted overnight and then blood sample was collected. The serum cholesterol (TC), triglycerides (TC), HDL, LDL, VLDL were calculated. **Results:** From the present investigation, it was observed that pioglitazone and terazosin drug have shown significant reduction in serum cholesterol, triglycerides, LDL, VLDL and increase in HDL level in p-407 induced hyperlipidemia. **Conclusion:** It is concluded that Pioglitazone and terazosin may possess antihyperlipidemic activity in Poloxamer 407 induced Hyperlipidemic Rats. **Keywords :** Hyperlipidemia, Poloxamer 407, pioglitazone, Terazosin, Atorvastatin, lipid profile.

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