

14th World Congress on

TOXICOLOGY AND PHARMACOLOGY

March 12-14, 2018 Singapore

Amelioration of altered blood lipid level by imipramine in depressed rat

D S Mohale and A V Chandewar

P Wadhvani College of Pharmacy, India

Purpose: The study was conducted to investigate the effect of imipramine on blood lipid parameters in depressed rat.

Methods: Rats were subjected for 21 days social isolation; the rats displayed an increase in depression on force swim test and tail suspension test relative to control. Various blood lipid parameters i.e. cholesterol, triglyceride, LDL and HDL were determined.

Results: There was significant increase in the level of cholesterol, triglyceride, LDL and decrease in the levels of HDL after social isolation.

Conclusion: The result of the present investigation showed that with the increase in the levels of depression, there is increase in the blood lipid profile.

deepak.mohale@gmail.com