

ACUTE ORAL TOXICITY STUDY OF PANCHATIKTA GHRUTA GUGGUL IN MICE

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ABSTRACT

Objective: The aim of present study was to evaluate the acute toxicity of Panchatikta Ghruta Guggul in mice.

Material and Method: In this study the three doses 2.6 mg/20 g, 13 mg/ 20 g and 26 mg/20 g of Panchatikta Ghruta Guggul were administered orally for 14 days.

Result: The oral administration of Panchatikta Ghruta Guggul at the highest dose (10 times) of Therapeutic dose resulted in no mortalities or evidence of adverse effects implying that Panchatikta Ghruta Guggul is non toxic. Throughout 14 days of the treatment no hyperactivity, depression or abnormal behavior was seen. Also, No loose motions or diarrhea seen. Consistency of stool of test group of animals was comparable to control group and was normal. Autopsy study showed that, there was no enlargement of any organ. There was no swelling or inflammation of the organs and no external or internal bleeding was seen.

Conclusion: Panchatikta Ghruta Guggul was administered to mice in three different doses. These doses were 2.6 mg/ 20gm, 13 mg/ 20gm, & 26 mg/ 20gm. The equivalent human doses are 1.0 gm, 5.0 gm & 10.0 gm respectively. The maximum dose administered was 10 times the therapeutic dose. There were no signs and symptoms of toxicity observed even for 10 times the therapeutic dose. There was no mortality. The result of the study indicates that Panchatikta Ghruta Guggul is safe.

Keywords: Panchatikta Ghruta Guggul, diarrhea, acute toxicity, body weight, depression etc.
