

ACUTE ORAL TOXICITY STUDY OF ANANDABHAIRAV RASA IN MICE

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ABSTRACT

Objective: The aim of present study was to evaluate the acute toxicity of Anandabhairav rasa in mice.

Material and Method: toxicity study was conducted according to the OECD guidelines at 2000 mg/kg, b.w, p.o. Animals were observed for mortality and behavioral changes up to 14 days.

Result: The oral administration of Anandabhairav rasa at the highest dose (62 times) of Therapeutic dose resulted in no mortalities or evidence of adverse effects implying that Anandabhairav rasa is non toxic. Throughout 14 days of the treatment no hyperactivity, depression or abnormal behavior was seen. There was no cyanosis, blanching or Inflammation of nasal tips, paws, eyes, ears & tail. No abnormal secretion from mouth, eyes & nose was seen. 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: Anandabhairav rasa was administered to mice in three different doses. The maximum dose administered was 62 times the therapeutic dose. There were no signs and symptoms of toxicity observed even for 62 times the therapeutic dose. There was no mortality. The result of the study indicates that Anandabhairav rasa is safe.

Keywords: Anandabhairav rasa, diarrhea, Acute toxicity, body weight, depression etc.
