

ACUTE ORAL TOXICITY STUDY OF SUVARNARAJ VANGESHWAR IN MICE

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ABSTRACT

Objective: To study the acute toxicity of Suvarnaraj Vangeshwar in mice.

Material and Method: In this study Suvarnaraj Vangeshwar was administered to mice in three different doses. These doses were 0.65 mg/20gm, 3.25 mg/20gm and 6.5 mg/20gm. The equivalent human doses are 250 mg, 1.25 gm and 2.5 gm respectively. The maximum dose administered was 10 times the therapeutic dose.

Result: The oral administration of Suvarnaraj Vangeshwar at the high dose resulted in no mortalities or evidence of adverse effects implying that Suvarnaraj Vangeshwar is non toxic. Throughout 7 days of the treatment no changes in behavioral pattern and body weight of mice in both control and treatment groups. There was no cyanosis, blanching or Inflammation of nasal tips, paws, eyes, ears & tail. Also, No abnormal secretion from mouth, eyes & nose was seen.

Conclusion: There were no sign and symptoms of toxicity observed even for 10 times the therapeutic dose. Thus overall results indicate that, the oral administration of Suvarnaraj Vangeshwar did not produce any significant toxic effect in mice.

Keywords: Suvarnaraj Vangeshwar, Acute Toxicity, body weight, cyanosis, non-toxic etc
