

ACUTE ORAL TOXICITY STUDY OF MYOSTAAL TABLET IN MICE

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ABSTRACT

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

Material and Method: In this study Myostaal Tablet was administered to both male and female mice in three different doses. These doses were 0.69 mg/20gm, 3.45 mg/20gm, & 6.9 mg/20gm. The equivalent human doses are 266.66 mg, 1.33 gm & 2.66 gm respectively. The maximum dose administered was 10 times of the therapeutic dose.

Result: After the oral administration of Myostaal Tablet at the highest dose, no mortalities and morbidity was seen in any of the three groups. Throughout 14 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. Sedation was absent. Also, No abnormal secretion from mouth, eyes & nose was seen.

Conclusion: The result of the study show that Myostaal tablet does not cause any apparent in-vivo toxicity in an animal model. There were no signs and symptoms of toxicity observed even for 10 times of the therapeutic dose, thus the result of the study establishing its safety in use.

Keywords: Myostaal Tablet, Acute Toxicity, body weight, cyanosis, non-toxic etc.
