

ANTIULCER ACTIVITY OF AMLAPITTA MISHRAN SUSPENSION IN RATS: A PILOT STUDY

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ABSTRACT

Content: Amlapitta Mishran suspension is a poly herbal Ayurvedic formulation, which has been traditionally used for acidity and gastric ulcers.

Aim: The aim of this study is to evaluate the antiulcer activity of Amlapitta Mishran on non-steroidal anti-inflammatory drugs (NSAID's) -induced ulcers in the rat model.

Subjects and methods: The antiulcer activity of Amlapitta Mishran was investigated on indomethacin (100 mg/kg) NSAID's induced ulcers in rats. Effect of two different doses of Amlapitta Mishran was studied by calculating the total number of ulcers, ulcer index and percentage inhibition.

Statistical Analysis Used: Data was analyzed by the Student's t-test ($P < 0.05$).

Results: Amlapitta Mishran treated rats have shown significant ($P < 0.001$) decrease in the total number of ulcers and ulcer index and significant increase in % inhibition of ulcers as compared with positive control group.

Conclusion: The results indicate that Amlapitta Mishran has showed a dose dependent antiulcer activity in experimental animals and confirms Ayurvedic use of Amlapitta Mishran in gastric ulcers.

Keywords: Antiulcer activity; Cyclo-oxygenase; gastric ulcers; indomethacin
