

## Effects of motility in gastric mucosal injuries induced by ethanol in rat

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### Abstract

**AIM:** The effect of motility in gastric protection was rarely reported. We observed the mucosal injuries induced by ethanol in rats of ligated and non-ligated pylorus after giving cisapride.

**METHODS:** 2 rat groups: ligated and non-ligated pylorus group. Cisapride was given.

**RESULTS:** In non-ligated pylorus group, the ulcer index was decreased more remarkably in high dose of cisapride than that in control, and the degree of damage was decreased in low and high doses of cisapride. In ligated pylorus group, the ulcer index and degree of damages were all larger than the non-ligated pylorus group, and the anti mucous damage function of cisapride disappeared.

**CONCLUSION:** This suggested normal gastric motor function has an important effect in cytoprotection. The effect of cisapride on gastric protection was *via* its prokinetic action.

**Key words:** Motility; Gastric mucosal injuries; Ethanol; Rat

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