



Effect of gastrointestinal peptides on gastric emptying of rats with experimental duodenal ulcer

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Author contributions: All authors contributed equally to the work.

Original title: *China National Journal of New Gastroenterology* (1995-1997) renamed *World Journal of Gastroenterology* (1998-).

Received: September 11, 1995

Revised: January 31, 1996

Accepted: July 1, 1996

Published online: September 15, 1996

Abstract

AIM: To study the effect of gastrointestinal peptides on gastric emptying of rats with duodenal ulcer.

METHODS: Gastrointestinal peptides were made from gastrointestinal muscosa in newborn cows. Wistar rats were randomly

divided into groups. With phenolsulfonaphthalin as a marker the rate of gastric emptying was counted. The ulcer index was measured.

RESULTS: The rate of gastric emptying in non-ulcer control group was 75.43 ± 7.82 , and in ulcer control group 94.41 ± 9.34 ($P < 0.01$). Treatment group was 78.01 ± 9.26 . Compared with ulcer control group, the rate of gastric emptying and ulcer index in treatment group were remarkably decreased ($P < 0.01$).

CONCLUSION: Gastrointestinal peptides can promote ulcer healing and delay gastric emptying.

Key words: Gastric emptying

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Zhong XJ, Wu GY, Wang LH. Effect of gastrointestinal peptides on gastric emptying of rats with experimental duodenal ulcer. *World J Gastroenterol* 1996; 2(Suppl1): 101 Available from: URL: <http://www.wjgnet.com/1007-9327/full/v2/iSuppl1/101.htm> DOI: <http://dx.doi.org/10.3748/wjg.v2.iSuppl1.101>

E- Editor: Liu WX



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