



Model of gastric precancerous lesions for rats

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Author contributions: All authors contributed equally to the work.

Supported by the Natural Science Foundation of the Scientific and Technological Commission of Zhejiang Province, No. 943017

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Received: December 22, 1999

Revised: March 24, 2000

Accepted: April 23, 2000

Published online: September 15, 2000

Abstract

AIM: To establish an ideal model of gastric precancerous lesions for rats.

METHODS: Fifty rats were fed with carcinogen MNNG for 35 wk

and heat-plaste at 60 °C for 20 wk, the pathological changes were observed. Data in the groups were analyzed by Ridit test.

RESULTS: The occurrence rate of dysplasia in rats due to MNNG and heat damage was 65%, which was obviously higher than that due to MNNG only. The differences between the two groups were significant.

CONCLUSION: The animal model made by MNNG and heat damage was an ideal one which could be used to investigate the pathologic mechanism of gastric precancerous lesions.

Key words: Gastric mucosa, precancerous conditions; Stomach neoplasms, carcinogens; Carcinogenicity test, rats

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Yan MX, Chen ZY, Xiang BK. Model of gastric precancerous lesions for rats. *World J Gastroenterology* 2000; 6(Suppl 3): 39 Available from: URL: <http://www.wjgnet.com/1007-9327/full/v6/iSuppl3/39.htm> DOI: <http://dx.doi.org/10.3748/wjg.v6.iSuppl3.39>

E- Editor: Hu S



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