



Model of gastric precancerous lesions for rats

Mao-Xiang Yan, Zhi-Yun Chen, Bai-Kang Xiang

Mao-Xiang Yan, Zhi-Yun Chen, Bai-Kang Xiang, The Digestive Diseases Research Unit of Zhejiang T.C.M. Hospital, Hangzhou 310006, Zhejiang Province, China

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Correspondence to: **Dr. Mao-Xiang Yan**, Zhejiang T.C.M. Hospital, No. 54 Youdian Road, Hangzhou 310006, Zhejiang Province, China

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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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