



Relationship between the clinical types of functional dyspepsia and gastric motility

Tong Dang, Yan-Dong Chen, Yan Zhang, Gan Lu, Jiao-Yang Kang

Tong Dang, Yan-Dong Chen, Yan Zhang, Gan Lu, Jiao-Yang Kang, Institute of Digestive Diseases Research of Inner Mongolia, Baotou 014030, Inner Mongolia Province, China

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: November 1, 1995

Revised: January 21, 1996

Accepted: July 19, 1996

Published online: September 15, 1996

Abstract

AIM: The functional dyspepsia (FD) was divided into different groups according to different clinic symptoms. In an attempt to explore other pathologic mechanism except of motility disorder, we studied the gastric motility change of these clinic symptom groups.

METHODS: 82 healthy subjects were studied as control, the half gastric emptying time ($T_{1/2}$) of all the patients and control subjects were measured by magnetogastrogram.

RESULTS: The $T_{1/2}$ ($\bar{x} \pm SD$) of FD patients was 88.6 ± 37.6 min,

it showed a significant delay as compared with the controls that was 51.79 ± 21.46 min ($P < 0.01$). The gastric emptying delayed patients of FD patients accounted for 60.4%. This conclusion is same compared with the methods of other articles about FD. In 588 FD patients of this report, we present 24 cases of reflux type (4.1%), 355 cases of motion disorder type (60.4%), 144 cases of ulcer type (24.5%), 10 cases of swallow gas type (1.7%), 55 cases specific type (9.4%). The $T_{1/2}$ of all types were different: reflux type (105.2 ± 39.5), motion type (91.06 ± 38.5 min), ulcer symptoms type (81.7 ± 32.4 min), swallow gas type (96.2 ± 33.5 min), specific type (82.78 ± 38.9 min), the reflux type and motion type were compared with ulcer type separately, the results showed significant difference.

CONCLUSION: We suggest that maybe exist other cause and mechanism about pathologic mechanism of FD except of gastric emptying function abnormality of different level.

Key words: Functional dyspepsia; Gastric emptying; Magnetogastrogram

© The Author(s) 1996. Published by Baishideng Publishing Group Inc. All rights reserved.

Dang T, Chen YD, Zhang Y, Lu G, Kang JY. Relationship between the clinical types of functional dyspepsia and gastric motility. *World J Gastroenterol* 1996; 2(Suppl1): 216 Available from: URL: <http://www.wjgnet.com/1007-9327/full/v2/iSuppl1/216.htm> DOI: <http://dx.doi.org/10.3748/wjg.v2.iSuppl1.216>

E- Editor: Liu WX



Published by **Baishideng Publishing Group Inc**
8226 Regency Drive, Pleasanton, CA 94588, USA
Telephone: +1-925-223-8242
Fax: +1-925-223-8243
E-mail: bpgoffice@wjgnet.com
Help Desk: <http://www.wjgnet.com/esps/helpdesk.aspx>
<http://www.wjgnet.com>

