



Observation of the small bowel transit time in non-ulcer dyspepsia patients

Yi-Ming Ren, Qin-A He, Zi-Tan Feng

Yi-Ming Ren, Qin-A He, Zi-Tan Feng, Department of Gastroenterology, Bethune International Peace Hospital, Shijiazhuang, Hebei 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: December 11, 1995

Revised: January 21, 1996

Accepted: July 19, 1996

Published online: September 15, 1996

Abstract

AIM: Non ulcer dyspepsia (NUD) patients often have abnormal gastrointestinal motility. It is the purpose of this study to investigate the motility of small bowel in patients with NUD.

METHODS: We have measured the small bowel transit time (SBTT) in 26 NUD patients by lactose hydrogen breath test (LHBT).

RESULTS: The results showed that the SBTT of NUD patients had no

significant difference compared with the control ($0.10 < P < 0.20$), but the SBTT of 17 NUD patients was in normal extent, 6 was longer and 3 was short represent 65%, 23% and 12%, respectively, and the abnormal SBTT patterns had significant difference compared with the controls ($P < 0.001$, $P < 0.01$, respectively).

CONCLUSION: It is suggested that NUD patients not only have the abnormal motility of the upper gastrointestinal tract, but also have the disorders of the small bowel motility. Measuring of the small bowel motility will be helpful for further understanding the pathogenesis of NUD and guiding the rational clinical medical care.

Key words: Non-ulcer dyspepsia; Small bowel transit time; Lactose hydrogen breath test

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

Ren YM, He QA, Feng ZT. Observation of the small bowel transit time in non-ulcer dyspepsia patients. *World J Gastroenterol* 1996; 2(Suppl1): 150 Available from: URL: <http://www.wjgnet.com/1007-9327/full/v2/iSuppl1/150.htm> DOI: <http://dx.doi.org/10.3748/wjg.v2.iSuppl1.150>

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>

