

## Analysis of EGG and gastroendoscopy of 110 cases

Shu-Yao Chen, Qi-Hui Zhang, Shu-Huai Yang, Zhi-Yong Yu

Shu-Yao Chen, Qi-Hui Zhang, Shu-Huai Yang, Zhi-Yong Yu, 1<sup>st</sup> People's Hospital of Neijiang, Neijiang 641000, Sichuan 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 31, 1996

Accepted: June 25, 1996

Published online: September 15, 1996

### Abstract

**AIM:** To understand the clinical value of body Electrogastragram (EGG), we compared it with results of endoscopy.

**METHODS:** Patients included duodenal ulcer (DU) 6, gastric ulcer (GU) 21, complex ulcer (CU) 4, gastric cancer (GC) 6, chronic superficial gastritis (CSG) 12, and healthy adults 6.

**RESULTS:** Frequency > 3.7%/min: DU 21, GU 4, CSG 2, GC 1;

Amplitude > 250  $\mu$ V: DU 9, GU 4, GC 1, CSG 1, healthy 2; Amplitude 150-250  $\mu$ V: DU 16, GU 5, CU 3, GC 2, CSG 3, healthy 3; Amplitude < 150  $\mu$ V: DU 36, GU 12, CU 3, GC 3, CSG 8, healthy 1. There was no significant difference between different groups ( $P > 0.05$ ). In addition, the profile of EGG was obviously irregular in DU 32, GU 18, GC 5, CU 2, CSG 2, healthy 1. The result of 58 meal test was: 49 cases had faster frequency, 9 had slower frequency, in 5 cases, after-meal slow waves were more regular than those before-meal. Forty nine had increased after-meal amplitude, average increase was 68  $\mu$ V, 9 cases had decreased or unchanged amplitude of EGG had no diagnostic value. Most GU, GC had gastric dysrhythmia, but other disease groups and healthy group also showed dysrhythmia, therefore, dysrhythmia was not characteristic of certain disease. Meal test provides some help in understanding of gastric empty function.

**Key words:** Electrogastragram; Gastroendoscopy

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

Chen SY, Zhang QH, Yang SH, Yu ZY. Analysis of EGG and gastroendoscopy of 110 cases. *World J Gastroenterol* 1996; 2(Suppl1): 88 Available from: URL: <http://www.wjgnet.com/1007-9327/full/v2/iSuppl1/88.htm> DOI: <http://dx.doi.org/10.3748/wjg.v2.iSuppl1.88>

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](mailto:bpgoffice@wjgnet.com)  
Help Desk: <http://www.wjgnet.com/esps/helpdesk.aspx>  
<http://www.wjgnet.com>

