

## Correlation of superficial gastritis and motility disorders based on the findings of EGG

Ying Han, Ji-Ping Zhou, Ge Gao, Xin Ji, Shi-Rong Li

Ying Han, Ji-Ping Zhou, Ge Gao, Xin Ji, Shi-Rong Li, GI unit. Beijing Army General Hospital, Beijing 100700, China

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### Abstract

**AIM:** Gastroenterologists are often perplexed by the management of the patients with "superficial gastritis" (SG). One of the important reasons is that the term of SG is only an endoscopic finding. Whereas, the symptoms in different individuals are variable. Practically, the diagnosis based on the endoscopic findings could not satisfy the need of clinical practice. It is necessary to have the disorders subclassified according to further specific tests or examinations. The purpose of this study was to evaluate the correlation between the endoscopic findings and the EGG changes. Forty two cases of SG diagnosed endoscopically was included. EGG

was recorded with WCDF-gastrointestinal electrical analyzer (Anhui Aike Medical instruments Co. limited). Recordings from 4 leads (two reflect the body of the stomach, two the antrum) were calculated and analyzed.

**RESULTS:** In terms of Fc (frequency) 37 (88%) cases were found to be bradygastria, the remaining 5 were of within normal ranges. Of the 42 cases, 11 (26%) were noticed to be abnormal (8 of low amplitude, and 3 of high).

**CONCLUSION:** According to our study, most of the cases with SG suffered from gastric motility disorders esp. bradyrhythmia. Practically, Gastroenterologists should pay much attention to gastric motility function and, if possible, to do further examinations including EGG. EGG had better reference value in evaluating gastrointestinal motility function.

**Key words:** Superficial gastritis; Electrogastrogram

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