

Comparative study on clinical diagnostic value of EGG with microcomputer a clinical analysis of 137 cases

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Abstract

AIM: It has been still an argument about the clinical diagnostic value of gastrointestinal (GI) disease by electrogastrograph (EGG), and the clinical application of EGG with micro computer has been also on a trial stage.

METHODS: In order to study the clinical application value of EGG, the author has observed 137 cases of GI disease (71 male, 66 female, average 47.4 years.) by EGG Inc. Among them, 60 cases were confirmed pathologically by gastroendoscopy as a control group.

RESULTS: (1) EGG showed abnormality in 133 cases (97.1%).

Among them, EGG indicated parenchymal disease and dysfunction change in 127 cases (92.7%) and 119 cases (86.9%) respectively. This data suggested that almost all GI parenchymal diseases accompanied with some changes of GI. (2) Some characteristic of EGG showed in following special diseases: diabetogenous gastric paralysis: It showed gastric dysrhythmia and motion hypofunction, the gastric motion was fast before meal and slow after meal test, the amplitude decreased remarkably after meal test. Uremigenic gastritis: EGG showed chronic inflammation, gastric dysrhythmia and gastric motion hypofunction.

CONCLUSION: It has suggested that EGG has a significant diagnostic value for some GI diseases especially for GI parenchymal diseases accompanied with some changes of GI motility.

Key words: Electrogastrograph; Diagnostic; Motility

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