



Evaluation on the diagnosis of stomach functional disease with the electrogastrogram

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Abstract

AIM: From 1986 to June 1990, we recorded 1412 pieces of electrogastrogram (EGG) among these, there were 216 cases with stomach functional disease.

METHODS: These 216 case were all checked by gastrofiberscope, except 37 cases were chronic surface gastritis, the rest had no organic disease.

RESULTS: 221 cases (98.15%) had the rhythmic disorder syndrome (GDS) in stomach. 3 cases had slow stomach rhythm with low tension, 2 vagus hypertension with hyperacidity. The amplitude was 18-720 μ V and the frequency was 1.2-7.6/min, and the wave shapes were irregular.

CONCLUSION: EGG has important value in diagnosis of stomach functional diseases. EGG belongs to noninvasive examination, the patients accept it easily, and can be checked repeatedly, it shows the real state of stomach electrophysiology under physiological state. However, when we make diagnosis with EGG, we must make gastrofiberscope and biopsy in order to offer assistant evidence to EGG.

Key words: Electrogastrogram; Stomach function; Gastro-rhythm disorder

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