



Analysis of EGG and gastroendoscopy of 110 cases

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Abstract

AIM: To understand the clinical value of body Electrogastrogram (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 μ V: DU 9, GU 4, GC 1, CSG 1, healthy 2; Amplitude 150-250 μ V: DU 16, GU 5, CU 3, GC 2, CSG 3, healthy 3; Amplitude < 150 μ 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 μ 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: Electrogastrogram; Gastroendoscopy

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