



Clinical analysis of electrogastrogram of 102 cases

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Abstract

AIM: Surface electrogastrogram (EGG) is a non-invasive examine technique for stomach diseases, we analyzed EGG of 3-year, so as to improve diagnosis and the EGG examining method.

METHODS: 102 patients, male 73, female 29, age between 20 and 70. EGG were performed.

RESULTS: Their EGG showed that 8 cases were gastric ulcer, 34 cases were duodenal ulcer, 10 cases were duodenal bulbitis, 41 were surface gastritis, 7 were atrophic gastritis, 2 were stomach cancer. The frequency and amplitude of gastritis were 2.68-2.93 c/min and 70-120 μ V, respectively; F and A atrophic gastritis were 2.40-2.50 c/min, and 47.6-55 c/min respectively; Frequency of ulcer was above 3.24 c/min, and its amplitude was between 200 and 350 μ V; F and A of duodenal bulbitis were lower than those of ulcer, while F of cancer was 2.3-2.4 c/min, A was 47.6-53 μ V.

CONCLUSION: The gastric electric waves were arrhythmic in ulcer, chronic gastritis, and gastric-pain patients. After treatment, gastric pain was relieved, and gastric electric rhythm tended to be regular.

Key words: Electrogastrogram; Stomach disease

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