

Some characters of electrogastrogram in patients with peptic ulcer

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Abstract

AIM: As a method of detecting the functional disease of the stomach and intestine electrogastrograph (EGG) has been accepted by more and more people. However, many people still doubt the accuracy of EGG for organic disease.

METHODS: In order to make out how accurate of EGG for diagnosis of peptic ulcer, we make some experiments with WCDF-4B model machine from February 1995 to February 1996. On the patients who were suspected to be suffering from peptic ulcer, we first finished EGG examination, then carrying out endoscopic examination by other

doctors.

RESULTS: We found that the results were very similar between endoscopy and EGG ($P < 0.05$). This shows us the results of the 2 ways must be interrelated. With the results of gastroscopy as the standard, the sensitivity rate of EGG for PU was 90%; The accuracy rate was 78%; The positive estimate value was 67%; Negative estimate value was 55%. It is very sensitive to diagnose PU but is not accurate enough. We has also paid attention to characters of the wave form of EGG. Main expression were Mwaves (52%), high amplitude waves (20%), shivering waves (15%) and other wave forms (13%).

CONCLUSION: EGG is a suitable method to diagnose PU. Because of its convenience, low expense and noninvasive. It can be used as preliminary diagnosis and general investigation of PU.

Key words: Electrogastrograph; With peptic ulcer

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