



Specifide EGG wave figure in gastric and duodenal ulcer

De-Shan Wang, Li-De Zhang, Ji-Yan Chai, Yan Zhang, Ying-Ying Lu

De-Shan Wang, Li-De Zhang, Ji-Yan Chai, Yan Zhang, Ying-Ying Lu, Physiology Department of Chinese Medicine College of Liaoning Province, Shenyang 110032, Liaoning Province, China

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Abstract

AIM: This research compare the true diagnostic rate of using specific wave figure as standard for diagnosis of gastric and duodenal ulcer.

METHODS: Choosing 60 normal persons as control group. The patient group is 384 cases. Diagnosed by gastrofibroscope, gastric ulcer group included 98 cases, duodenal ulcer group 222 cases, other stomach disease 64 cases. The disease duration was half year to 24 years. The age of patients was between 22 to 68 years, 236 male,

148 female. The SC2C-B EGG machine was used to record EGG for 10 min both before meal and after meal. The following day after EGG recording, gastrofibroscope and pathology were performed to assure diagnosis. Then compare the result with that of EGG diagnosis.

RESULTS: Sine wave appeared in normal persons. The average wave amplitude and frequency recorded before meal were the same as those after meal. No high quick wave and high quick wave with protuberance appeared in normal persons. According to EGG diagnostic standard used now, gastric ulcer patients were 63, duodenal ulcer patients 151. Compared with gastrofibroscope and pathology diagnosis the coincident rate was 64% for gastric ulcer, 68% for duodenal ulcer.

CONCLUSION: The specific wave figure can be used as the standard for diagnosis of gastric ulcer and duodenal ulcer. It has clinical significance.

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