

## Influence of fasting electrogastrograph in patients with functional dyspepsia using cisapride treatment

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### Abstract

**AIM:** For determining the curative effect of cisapride (CIS) in treating functional dyspepsia (FD), we performed fasting electrogastrography (EGG) pre treatment and post treatment.

**METHODS:** Twenty seven cases of FD (M: 14; F: 13; Mean age: 45.3 years) were diagnosed by symptoms. All patients were exclusive of gastric carcinoma, peptic ulcer and hepatic, cholecystic, pancreatic diseases. These patients were randomly divided into two groups. Fifteen cases were treated by CIS 5 mg tid for 2 wk and other 12 cases as control group. Wave form and frequency of EGG were

examined using WCDF-4B model machine at pre treatment and post treatment. The results should that main EGG expressions of FD were bradygastria. The effective rate of CIS group was 87% and that of control group was 17% ( $P < 0.01$ ), EGG results after treatment showed that frequency of CIS group have become faster. Both body and antrum of the stomach FE, FC, FP were remarkably higher than that of pre treatment ( $P < 0.01$ ). The mean amplitude (AP) also was significantly increased. The wave form become regular. There were no remarkably changes between pre-treatment and post treatment of control group.

**CONCLUSION:** Cisapride can improve gatroelectric activity, promote gastric emptying symptoms. Cisapride is an effective drug for functional dyspepsia.

**Key words:** Fasting; Electrogastrograph; Function dyspepsia; Cisapride

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