

Evaluation of therapeutic effectiveness of cisapride in functional dyspepsia

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Abstract

AIM: Functional dyspepsia (FD) is a common clinical syndrome. In this study, the therapeutic effectiveness of cisapride in FD was evaluated with before after clinical trial design in the same patients.

METHODS: 36 functional dyspepsia cases were evaluated for the effectiveness and adverse reaction of cisapride, comparing with domperidone. The patients were treated with domperidone 10 mg tid in the first 4 wk, and followed by 4 wk washout period, then treated with cisapride 5 mg tid for another 4 wk. The ultrasound gastric emptying time was measured before and after each treatment.

RESULTS: At the end of 2 wk treatment, the symptoms in both groups were improved equally. The effective rate were 75% vs 66.44%. But at the end of 4 wk treatment, the effective rate became 86.11% vs 67.11%, implying better effects in cisapride group ($P < 0.025$). For patients with delayed gastric emptying time, both drugs were effective for shortening the emptying rate but significant in cases of cisapride but not the case in patients with normal gastric emptying time. Little side effects were found during the course of treatment. In domperidone group, only one complained fullness of breast and Lactorrhea. In cisapride group, only one had mild diarrhea and borborygmi.

CONCLUSION: It indicated that cisapride, as a new prokinetic agent, is the best choice for delayed gastric emptying cases of FD better than domperidone.

Key words: Cisapride; Functional dyspepsia

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