

## Clinical research of electrogastrography for the postoperative patients with chemotherapy

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### Abstract

**AIM:** In order to observe chemotherapeutic effect on electrogastrography, 21 postoperative patients were examined by electrogastrography before and after chemotherapy.

**METHODS:** Electrogastrography was recorded on epigastrium of patients in fasting state before and after chemotherapy.

**RESULTS:** Before chemotherapy, there were 10 patients with bradygastria and frequency range was  $1.60 \pm 0.85$  cpm, 6 patients with dysrhythmia and after chemotherapy, there were 15 patients with bradygastria and the frequency range was  $1.26 \pm 0.73$  cpm, 5 patients with dysrhythmia. The wave amplitude was lower after chemotherapy than that before chemotherapy.

**CONCLUSIONS:** (1) Electrogastrographic rhythm was lower and irregular after operation of stomach. (2) Electrogastrographic frequency and amplitude declined after chemotherapy, and this result showed that chemotherapy inhibits gastric motility.

**Key words:** Electrogastrography; Postoperation; Chemotherapy

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