



## Clinical laboratory research on stomach dynamic of patients with liver cirrhosis

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### Abstract

**AIM:** To understand the stomach motility of patients with liver cirrhosis.

**METHODS:** 20 cases of liver cirrhosis (no active hepatitis, no ascites and other complications) were investigated by the method of standard trial meal solid small baric strip X-ray of abdomen. The kinetogenesis of prepulsid was also researched meanwhile. Before examination, the patients were fasted for 10 h, then the standard trial meal (STM) was eaten within 10 min after that, ten grains of solid small baric strip (SSBS) were also eaten. Three X-ray films of

abdomen were taken at the fourth, sixth, seventh hour after STM. Finally, the ejection rate of SSBS in the stomach was calculated. Prepulsid 5 mg was taken three times daily after beginning of examination.

**RESULTS:** The ejection rate of SSBS in stomach at the 4<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> hour in patients were significantly lower than that in normal subjects. It is suggested that stomach motility was abnormal in patients with liver cirrhosis. It recovered to normal after prepulsid treatment for a week. Moreover, the symptoms of liver cirrhosis such as satiety, abdominal distention, nausea, vomiting, anorexia were eliminated too.

**CONCLUSION:** It showed that the symptoms of liver cirrhosis are caused by abnormal stomach motility. Prepulsid is an effective prokinetic drug for stomach.

**Key words:** Liver cirrhosis; Stomach dynamia; Prepulsid

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