

Observation of the small bowel transit time in non-ulcer dyspepsia patients

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Abstract

AIM: Non ulcer dyspepsia (NUD) patients often have abnormal gastrointestinal motility. It is the purpose of this study to investigate the motility of small bowel in patients with NUD.

METHODS: We have measured the small bowel transit time (SBTT) in 26 NUD patients by lactose hydrogen breath test (LHBT).

RESULTS: The results showed that the SBTT of NUD patients had no

significant difference compared with the control ($0.10 < P < 0.20$), but the SBTT of 17 NUD patients was in normal extent, 6 was longer and 3 was short represent 65%, 23% and 12%, respectively, and the abnormal SBTT patterns had significant difference compared with the controls ($P < 0.001$, $P < 0.01$, respectively).

CONCLUSION: It is suggested that NUD patients not only have the abnormal motility of the upper gastrointestinal tract, but also have the disorders of the small bowel motility. Measuring of the small bowel motility will be helpful for further understanding the pathogenesis of NUD and guiding the rational clinical medical care.

Key words: Non-ulcer dyspepsia; Small bowel transit time; Lactose hydrogen breath test

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