

Initiative investigation on the level of plasma motilin in diarrhea and constipation

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Abstract

AIM: Motilin is a brain gut peptide that revealed a more widespread distribution of the GI tract and central nervous system. Motilin is considered a major determinant of phase 3 activity of the migrating motor complex (MMC) in the stomach and upper small bowel, causing contraction of gastric and intestinal smooth muscle. In this

paper, the effect of motilin on the colonic motility was studied.

METHODS: The levels of fast plasma motilin were detected for the reversal motility disorders types diarrhea and constipations, 50 cases respectively, and 30 health controls.

RESULTS: The concentrations of motilin in the diseases group was significantly increased in the group of diarrhea than in the group of constipation.

CONCLUSION: Motilin may play a role in the motility of colon.

Key words: Motilin; Colon transit

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