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Case Control Study

Increased expression of brain derived neurotrophic factor is correlated with visceral hypersensitivity in patients with diarrhea-predominant irritable bowel syndrome

Zhang Y *et al.* Increased BDNF levels in IBS-D

Yu Zhang, Geng Qin, De-Rong Liu, Yan Wang, Shu-Kun Yao

Abstract

BACKGROUND

Visceral hypersensitivity was considered to play a vital role in the pathogenesis of irritable bowel syndrome (IBS). Neurotrophins have drawn much attention in IBS recently. Brain-derived neurotrophic factor (BDNF) was found to mediate visceral hypersensitivity *via* facilitating sensory nerve growth in pre-clinical studies. We hypothesized that BDNF might play a role in the pathogenesis of diarrhea-predominant IBS (IBS-D).

AIM

To investigate BDNF levels in IBS-D patients and its role in IBS-D

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