Does the medial thalamus play a role in the negative affective component of visceral pain in rats?

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摘要

Abstract

Pain consists of sensory and negative affective components. Using a conditioned place aversion (CPA) paradigm, we investigated whether the medial thalamus (MT) played a role in the affective component of visceral pain induced by intraperitoneal injection of acetic acid into male Long-Evan rats. Acetic acid produced writhing response as well as CPA. The bilateral MT-lesions resulted in slight reduction of writhing response, but CPA was not affected. The results suggest that while MT may play a role in visceral nociception, it does not participate in the negative affective component of visceral pain.