

# Can meditation decrease chronic pain?

October 23 2013

---

A randomized controlled study published in the current issue of *Psychotherapy and Psychosomatics* has investigated the role of a special form of meditation (mindfulness) in Chronic pain.

Chronic [pain](#) involves hypervigilance for pain-related stimuli. Selective attention to pain-related stimuli, known as pain [attentional bias](#) (AB), can exacerbate [chronic pain](#), prolong suffering, and undermine quality of life. The aim of this study was to determine if a multimodal mindfulness-oriented [intervention](#) could significantly reduce pain AB among chronic pain patients receiving opioid analgesics. : A total of 67 chronic pain patients were randomized to an 8-week Mindfulness-Oriented Recovery Enhancement (MORE) intervention or a social support group intervention and began treatment. A dot probe task was used to measure pain AB.

Primary outcomes were pain AB scores for cues presented for 2,000 and 200 ms. Prior to intervention, participants exhibited a significant bias towards pain-related cues presented for 2,000 ms, but no bias for cues presented for 200 ms. A statistically significant time  $\times$  intervention condition interaction was observed for 2,000 ms pain AB, such that participants in MORE evidenced significantly reduced posttreatment pain AB relative to pretreatment levels, whereas no significant pre-post treatment changes in pain AB were observed for support group participants. Decreases in pain AB were associated with increased perceived control over pain and attenuated reactivity to distressing thoughts and emotions.: Study findings provide the first indication that a mindfulness-oriented intervention may reduce pain AB among adults

suffering from chronic pain.

Given the magnitude of chronic pain in postindustrial societies, coupled with the dramatic escalation in prescription opioid misuse, future studies should evaluate MORE as a nonpharmacological means of addressing factors linked with chronic pain.

**More information:** Garland, E. and Howard, M. Mindfulness-Oriented Recovery Enhancement Reduces Pain Attentional Bias in Chronic Pain Patients, *Psychother Psychosom* 2013;82:311-318. [DOI: 10.1159/000348868](https://doi.org/10.1159/000348868)

Provided by Journal of Psychotherapy and Psychosomatics

Citation: Can meditation decrease chronic pain? (2013, October 23) retrieved 19 April 2024 from <https://medicalxpress.com/news/2013-10-meditation-decrease-chronic-pain.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.