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Exercise therapy for chronic pain: How does exercise change the limbic brain function?

Background: Since the limbic system of chronic pain patients is functionally impaired, they are maladaptive to their situations, unable to take goal-directed behavior and are easily caught by fear-avoidance thinking.

Prolonged avoidance and physical inactivity exacerbate pain and have detrimental effects on our physical fitness and QOL.

Conclusion: Exercise habits are essential for the prevention and treatment of chronic pain. Ratients with otheroic pain will be able to overcome their chronic pain stells by understanding the causes and processes of pain chronification, break free from fear-avoidance thinking, and proactively work to improve their daily lives, rather than just cringing in the face of the wall of chronic pain



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## **SOLUTIONS TO** CHRONIC CONDITIONS

The Nordic Mahlenance Care program: Effectiveness of chiropractic maintenance care versus symptom-guided treatment for recurrent and persistent tow back pain—A pragmatic randomized controlled trial spec 2018. Ardress Bärzt, tene senser, Main Lohds-Katisson, in higkprig Methods. This pragmatic, investigator-bitinded, this warm randomized controlled trial included consecutive statestics (16-65 years ool divid hin on-specific LBP, who had an early favorable response to chiropractic acrea. After an initiatio cursue of treatment, slighles subjects were randomized to either MC or control (symptom-guided treatment).

Results: Three hundred and twenty-eight subjects were randomly allocated to one of the two treatment groups. Mr resulted in a reduction in the total number of days per week with bothersome LBP compared with symptom-guided treatment. During the 12 month study period, the MC group in =163, all opposity legender 292 (695 Ct = 10.1, 15.5, p = 0.0001) fewer days in total with bothersome LBP compared to the control group in =158, d dropoutal and sceived 17 (95% Ct = 18, 21, p = -0.001) more treatments.



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## **SOLUTIONS TO CHRONIC CONDITIONS**

Aleve® Speaks The Painful Truth, **Encouraging Consumers to Explore Their Pain Management Options** 

WHIPPANY, N.J., March 25, 2024--(BUSINESS WIRE)--Aleve®, a WHIPPANY, N.J., March 25, 2024—(BUSINESS WIRE)—Aleve\*, a marquee pain relief product from Bayer indicated for minor pain, in partnership with Mothers Against Prescription Drug Abuse (MAPDA), today launched "The Painful Truth," a campaign developed to encourage consumers to explore, with their doctors, pain relief options such as over-the-counter (OTC) products before taking opioids, when appropriate.

























