

**Patient Education Projects** 

**Patient Education** 

4-1-2023

## Debunking Medical Myths: The Chiropractic Myth: The Dangers Of **Neck Adjustment**

Pranav Gopalakrishnan

Wayne State University School of Medicine, ga2914@wayne.edu

Christopher Carter

Wayne State University School of Medicine, gi7023@wayne.edu

Neha Chava

Wayne State University School of Medicine, hk5837@wayne.edu

William Mcroy

Wayne State University School of Medicine, hk8457@wayne.edu

Mai Daigle

Wayne State University School of Medicine, hm3021@wayne.edu

See next page for additional authors

Follow this and additional works at: https://digitalcommons.wayne.edu/pat\_edu\_proj



🍑 Part of the Curriculum and Instruction Commons, Medical Education Commons, and the Public Health

Commons

#### **Recommended Citation**

Gopalakrishnan, Pranay; Carter, Christopher; Chava, Neha; Mcroy, William; Daigle, Mai; and Schervish, Stephanie, "Debunking Medical Myths: The Chiropractic Myth: The Dangers Of Neck Adjustment" (2023). Patient Education Projects. 623.

https://digitalcommons.wayne.edu/pat\_edu\_proj/623

This Infographic is brought to you for free and open access by the Patient Education at DigitalCommons@WayneState. It has been accepted for inclusion in Patient Education Projects by an authorized administrator of DigitalCommons@WayneState.

Authoro	
Authors Pranav Gopalakrish	nnan, Christopher Carter, Neha Chava, William Mcroy, Mai Daigle, and Stephanie
Scrietvisti	

# THE CHIROPRACTIC MYTH: THE DANGERS OF NECK ADJUSTMENT

Group Yellow 50: Carter C., Chava N., Daigle M., Gopalakrishnan P., McRoy W., and Schervish S.

#### **NECK PAIN**



22% suffer at any time in the general population, 70% suffer over a lifetime



4th leading cause of disability



Prevalence of neck pain is higher in females than in males



Neck pain can be caused by traumatic or non-traumatic injuries

#### ALTERNATIVE MEDICINE FOR NECK PAIN



31% of alternate health visits are to chiropractors



Neck pain is the 2nd most common cause for visiting a chiropractor



"Chiropractic neck adjustments are safe."

Chiropractic neck ad<mark>justments <u>effectively treat</u> neck pain."</mark>

## **MYTH DEBUNKED: NOT SAFE/NOT EFFECTIVE**



30-61% have adverse effects from chiropractic neck adjustments



Neck adjustments are associated with higher risk of stroke



One study states that in about 89% of neck pain cases, adjustments were not appropriate



Studies have shown that spinal manipulation is **NO MORE** effective than traditional medical management or mobilization therapy.

There is very little credible evidence that neck adjustments are effective at treating neck pain.

- Coulter ID, Hurwitz E, Adams AH, et al. The Appropriateness of Manipulation and Mobilization of the Cervical Spine. Santa Monica, CA: RAND Corporation; 1996.

  Hurwitz EL, Morgenstern H, Harber P, Kominski GF, Yu F, Adams AH. A randomized trial of chiropractic manipulation and mobilization for patients with neck pain: clinical outcomes from the UCLA neck-pain study. Am J Public Health.
- Bronfort G, Evans R, Anderson AV, Svendsen KH, Bracha Y, Grimm RH. Spinal Manipulation, Medication, or Home Exercise With Advice for Acute and Subacute Neck Pain. Annals of Internal Medicine. 2012;156(1\_Part\_1):1-10.
  Ernst E. Chiropractic spinal manipulation for neck pain: a systematic review. The Journal of Pain. 2003;4(8):417-421.

- . Errist E. Chiropractic spinal manipulation for neck pain: a systematic review. The Journal of Pain. 2008;35(5):544-562.

  Errist E. Chiropractic: A Critical Evaluation. Journal of Pain and Symptom Management. 2008;35(5):544-562.

  Errist E. Adverse effects of spinal manipulation: a systematic review. Journal of the Royal Society of Medicine. 2007;100(7):330-338.

  Errist E, Canter PH. A Systematic Review of Systematic Reviews of Spinal Manipulation. Journal of the Royal Society of Medicine. 2006;99(4):192-196.

  Cohen SP. Epidemiology, Diagnosis, and Treatment of Neck Pain. Mayo Clinic Proceedings. 2015;90(2):284-299.

  Biller J, Sacco RL, Albuquerque FC, et al. Cervical Arterial Dissections and Association With Cervical Manipulative Therapy. Stroke. 2014;45(10):3155-3174.

  Rothwell DM, Bondy SJ, Williams JI. Chiropractic Manipulation and Stroke. Stroke. 2001;32(5):1054-1060.