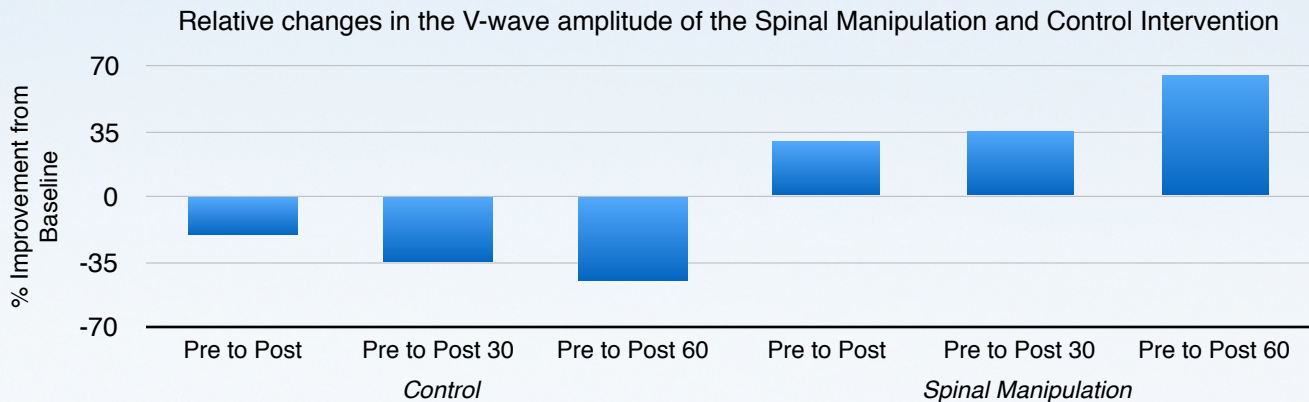


The effects of a single session of spinal manipulation on strength and cortical drive in athletes

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The popularity of Crossfit and WOD (workout a day) has dramatically increased the number of casual athletes we see on a daily basis. Many of these individuals are looking to not only stay pain and injury free but to increase their level of performance.

While chiropractic is considered a safe and effective care option for improving musculoskeletal conditions, this is the first study to look at its application as a performance enhancer in athletes.

Researchers in this study found that spinal manipulation provided the subjects with an increased maximum voluntary contraction for 30 minutes and an elevation of corticospinal excitability for at least 60 minutes.

While a single manipulation is unlikely to create a champion powerlifter, this exciting study indicates that athletes adding a chiropractor to their care team may receive benefits beyond natural pain relief.

“Improvement of neural adaptations, such as the H-reflex and the V-wave, contributes to enhanced motor performance.”

“The main finding in this study was that maximum plantar flexion force and corticospinal excitability to the plantar flexors (i.e. V-wave) increased following spinal manipulation but not in the control group.”

“The increased V-wave amplitudes observed in the current study possibly reflect an increased cortical drive in the cortico-spinal pathways and corresponding increased excitability of the motoneuron following spinal manipulation.”

We believe in creating a healthier community. We believe patients have better outcomes when physicians work together. Let's build a healthier tomorrow.

