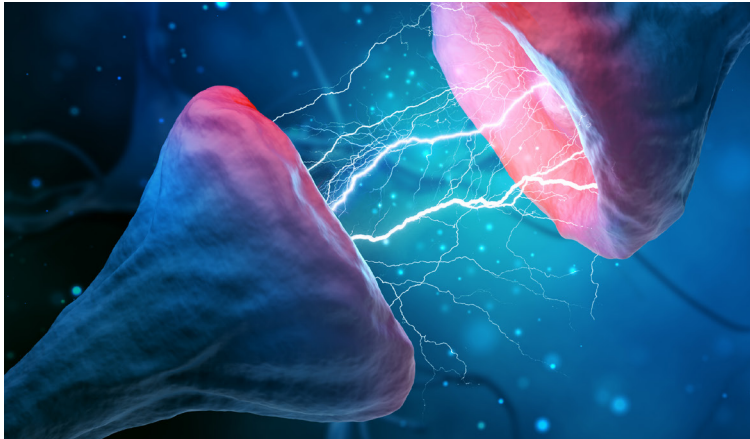




The Motor Control effects of chiropractic care

This class covers the known motor control neuroplastic effects of chiropractic care. It reviews studies that use neurophysiological techniques to investigate how chiropractic care affects the central nervous system and how this may impact strength and fatigue.

The neurophysiological techniques that scientists use to study how chiropractic care influences motor control, strength, and fatigue. Review of the findings from studies that investigated what impact chiropractic adjustments had on motor control.



LEARNING OUTCOMES

After taking this class the student will be able to:

1. Discuss the evidence that shows that chiropractic adjustments change the way the brain controls movement.
2. Describe what transcranial magnetic stimulation (TMS) and a motor evoked potential (MEP) and intracortical inhibition are.
3. Summarise the chiropractic TMS study findings and be able to talk about them with your communities.
4. Summarise the evidence for chiropractic improving strength and preventing fatigue in students, athletes and stroke survivors.

LESSON CONTENT

Every lesson has a practice quiz. At the end of the lessons there is a final quiz and if you pass the final quiz, you will receive a certificate of completion.

1. How can you test muscle function in humans?

- This module reviews the neurophysiological techniques that scientists use to study how chiropractic care influences motor control, strength, and fatigue.

2. What happens to movement control after adjustments?

- This module reviews the findings from studies that investigated what impact chiropractic adjustments had on motor control.

3. Can the spine impact our pelvic floor muscles as well?

- This module reviews the findings from studies that investigated what impact chiropractic adjustments had on motor control.
- It focusses on pelvic floor control, as well as upper and lower limb motor control.

4. How chiropractic care can reduce fatigue and improve strength.

- This module reviews the findings from studies that investigated what impact chiropractic adjustments had on motor control.
- It focusses on a study that investigated the effects of a single session of chiropractic care on strength and fatigue in the lower limb.

SUBJECT TAGS

motor control, strength, fatigue, transcranial magnetic stimulation, inhibition, facilitation, cortical silent period, sham, H-reflex, V-wave, pelvic floor.

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