




The Somatosensory Neuroplastic Effects of Chiropractic Care

This class covers the known sensory neuroplastic effects of chiropractic care and reviews the literature relevant to joint cavitation. It covers a neurophysiology technique called Somatosensory evoked potentials and what evidence Dr Heidi Haavik and her team have discovered over the past two decades using this technique.

This class looks at the source localization study conducted in Denmark that discovered that adjusting subluxations alters processing in the prefrontal cortex, and how best to communicate this information with your practice members. It discusses the literature on Joint cavitation and covers how best to answer the common questions.



LEARNING OUTCOMES

After taking this class the student will be able to:

1. Explain what Somatosensory evoked potentials are and how they are used to measure sensory changes in the brain.
2. Explain what the research shows regarding somatosensory processing following chiropractic care.
3. Understand and appropriately communicate the research on chiropractic care and the prefrontal cortex.
4. Explain what joint cavitation is and what it means for the outcomes of care.

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 do we measure sensory changes in the brain?

- This module looks at Somatosensory evoked potentials and how we use this to record sensory changes in the CNS.

2. How does sensorimotor processing change after chiropractic adjustments?

- This module reviews the research on somatosensory processing and chiropractic care.

3. Chiropractic and the prefrontal cortex.

- This module reviews the research on chiropractic care and the prefrontal cortex.

4. What is joint cavitation?

- This module reviews the literature about joint cavitation.
- It looks at what it is, and what impact it has on the outcomes of care.

SUBJECT TAGS

somatosensory;
sensory changes;
subclinical pain;
joint position
sense; prefrontal
cortex; brain;
cortical changes;
joint cavitation;
tribonucleation;
mobilization;
manipulation.

CREATED BY:



Dr. Heidi Haavik
Ph.D., BSc (Chiro)