

Members involved in the research:

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Title of the research:

Physiological effects of reducing the vertebral subluxation complex with bio-energetic synchronization technique

Dates of research project:

August 2013-October 2015

Abstract of what the research project is about:**Objective:**

To examine the effect on physiology and the vertebral subluxation complex in patients only receiving care with Bio-Energetic Synchronization Technique as compared to a control group receiving a placebo adjustment.

Methods:

Bilateral blood pressure and heart rate variability were assessed pre and post treatment as well as cervical range of motion, full spine thermal scan and surface electromyography, postural sway and chiropractic evaluation with Thompson protocol and the SF-36.

Results:

Blood pressure trend line slopes, except for the left diastolic showed negative values for participants but not for controls. The autonomic index showed a consistent 10-point increase pre-to-post across all six visits, a value significant with $p < 0.001$. Clinical indications of the vertebral subluxation complex were evident in controls but not in subjects post intervention. Changes in secondary measures were not statistically significant.

Conclusion:

While significant changes were not seen for the variables measured, differences were seen between participants and controls. The most striking difference was seen in the autonomic index. Although this study was limited, the results were encouraging enough to warrant further work.

Quote on why conducted research and results:

The study was conducted as a project of the Research Track in order to add to the body of literature on removing vertebral subluxation with light force, neurologically based techniques. –
Carla Gibson (D.C. Student)