

Benefits of Clarity Chair For Treating Post Concussion Symptoms in Adults

Sensory Integration Therapy Utilizing The Clarity Chair | A Case Report Of A Post-Concussive Adult

Published in *Journal of Chiropractic Education*, March 2018, Vol. 32, Issue 1. Authors Angela Seckington, Stephanie Sullivan, Emily Drake.

The SAVE program may benefit patients who have suffered a concussion with continuing sensory, balance, and cognitive deficits. Additional research is needed. (This is a conference presentation abstract and not a full work that has been published.) *Clarity Chair was formerly SAVE Program

Objective: Documentation of changes in balance, visual, auditory and computerized cognitive testing of a post concussive male receiving sensory integration care using the SAVE table. Clinical Features: A 69-year-old male presented subsequent to a fall in 2015, suffering fractured skull, memory loss, and concussion. Using a standardized symptom list, self-reported symptoms included dizziness, sleep disturbances, slow reaction time and impaired attention. Clinically evaluated deficits included diminished vision, unstable balance, and cognitive impairment.

Method: The SAVE Program is an accelerated sensory integration protocol that stimulates touch, sound, sight and proprioception along with the vestibular system. Treatment consisted of two, one-hour sessions per day for five consecutive days.

Results: Improvement was noted in self-reported symptoms (32%), in peripheral vision (from 15° to 30°), and balance (from 42° to 6° instability). Percent improvement was also noted in cognitive function (accuracy, latency) in attention (18.75%, 33.42%) and planning (16.66%, 40.71%), and in accuracy of episodic memory (71.43%) and working memory (7.94%). Participant exhibited shift to right ear dominance.

Patient Results:

Patient 1: Decrease in symptoms from 11 to 2

Patient 2: Decrease in symptoms from 14 to 5

Patient 3: Decrease in symptoms from 16 to 6

Patient 4: Decrease in symptoms from 13 to 8

Improvements have been seen clinically in those diagnosed with Post Traumatic Stress Disorder (PTSD), Sadness/Feeling Down, Focus and Concentration and Left Ear Dominance.

Participant 1:

Participant is a 69 Year-Old-Man who reported suffering 11 out the 17 symptoms pre Clarity Chair treatment and 2 out of 11 post treatment.

Symptoms Tested

Dizziness	Fatigue
Irritability	Sleep Disturbance
Sensitivity to Noise	Slow Reaction Time
Tinnitus (ringing in ears)	Depression
Blurred Vision	Anxiety
Diplopia (double vision)	Impaired Attention
Hearing Impairment	Impaired Memory
Sensitivity to Light	Headache



IRB STUDY

