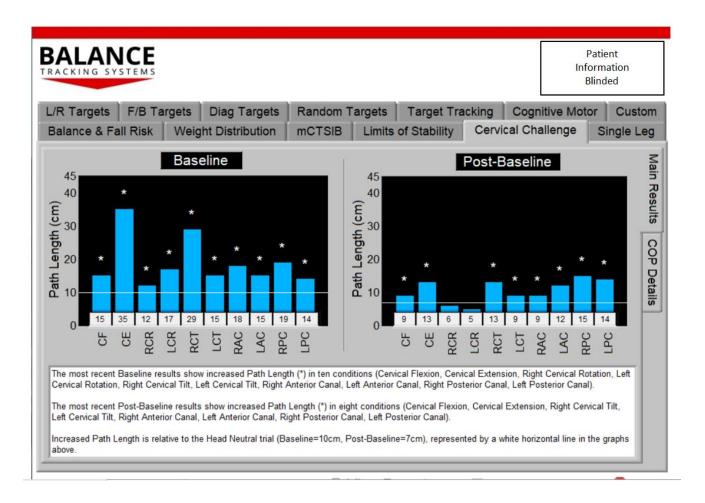
THE EFFECTS OF BIO-KINETICS HEALTH SYSTEM ON BALANCE WITH CERVICAL CHALLENGE

CLINICAL CASE STUDY January 2, 2023 Donald J. Baune, D.C., D.A.C.N.B.

The following results show pre and post application of the Bio-Kinetics Health System protocols.

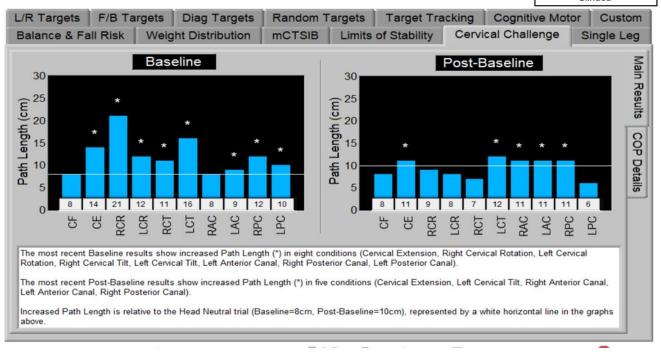
Abstract: This case study tested whether the Bio-Kinetics Health System has a significant effect on the central nervous system, in particular the vestibulo-cerebellar system and especially testing various head and neck positions to activate semi-circular canal afferents into the vestibular system and the vestibular systems ability to integrate this afferent input into meaningful efferent output. Benefits of improved vestibulo-cerebellar function include decreased fall risk, improved balance and stability, improved gait, improved spinal stability and greater chiropractic adjustment holding patterns through vestibulo-spinal efferent pathways to the shunt stabilizing spinal segmental system.

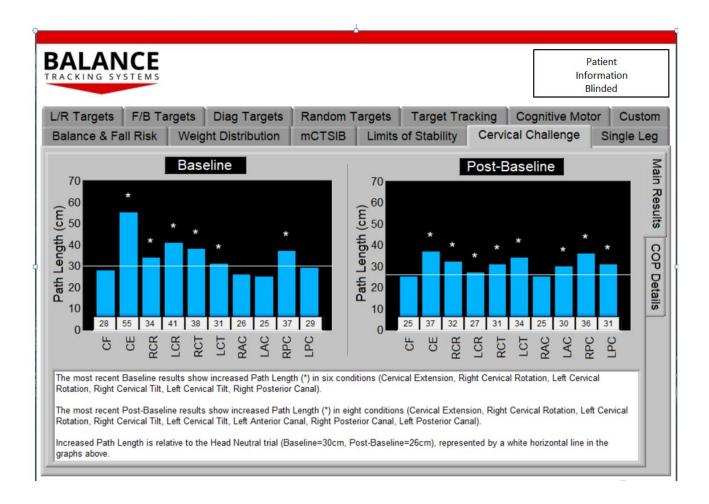
<u>Conclusion:</u> These case studies demonstrated significant improvement in vestibulo-cerebellar integration and processing ability in four separate patients after only one application of the Bio-Kinetics Health System protocols. Greater results are anticipated with further Bio-Kinetics Health System and Neuro-rehab applications. This study indicates the validity and need for further studies using double blinded studies with larger sample sizes.





Patient Information Blinded





Increased Path Length is relative to the Head Neutral trial (Baseline=7cm, Post-Baseline=5cm), represented by a white horizontal line in the graphs

Left Anterior Canal, Right Posterior Canal).

above.