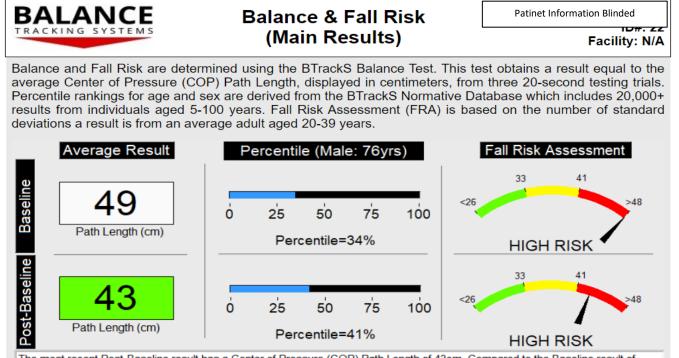
THE EFFECTS OF BIO-KINETICS HEALTH SYSTEM ON BALANCE AND FALL RISK

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.

<u>Abstract</u>: 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. Benefits of improved vestibulo-cerebellar function include decreased fall risk, improved balance and stability, improved gait, improved spinal stability and greater chiropractic adjusting holding patterns through vestibulo-spinal efferent pathways to the shunt stabilizing spinal segmental system.

<u>Conclusion</u>: This case study demonstrated a significant 12% improvement in balance and fall risk 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.



The most recent Post-Baseline result has a Center of Pressure (COP) Path Length of 43cm. Compared to the Baseline result of 49cm, this is an improvement of 12%.

The most recent Post-Baseline result corresponds to the 41st percentile, meaning this result is better than 40% of similarly aged people of the same sex. This represents an increase of 7 percentiles from the Baseline result that was in the 34th percentile.

Based on the Post-Baseline result being 2 or more standard deviations higher than a typical adult, the Fall Risk Assessment is considered HIGH RISK.

Baseline Results							
DATE	T1	T2	T3	BBT	%	FRA	NOTE
1/2/2023 9:07:16 AM	53	49	44	49	34	HIGH	