

Brewer JF, Crumley JP, Fannon SK, Offringa AO, Womble EA. THE EFFECT OF NEUROSENSORIMOTOR REFLEX INTEGRATION IN PEDIATRIC TOE-WALKING ON SENSORY PROCESSING, FOOT POSTURE, COORDINATION, BALANCE, AND GAIT. Hardin-Simmons University Department of Physical Therapy.

PURPOSE: The purpose of this study was to determine if reflex integration is an effective method for improving sensory integration, foot posture, coordination, postural control, balance, and gait in toe-walkers.

SUBJECTS: Ten-year-old fraternal twins, n=2, (F=1, M=1) with idiopathic and congenital (cerebral palsy) toe-walking.

METHODS: Parents and subjects signed a consent form. The 8-week training program consisted of week 1 baseline (3 trials), 6 weeks of Masgutova Neurosensorimotor Reflex Integration® (MNRI) intervention (8 trainings, 2 assessments, daily home program of 6 exercises), and week 8 post-

By utilizing neurosensorimotor reflex integration techniques, progressing reflexes to the appropriate functional level may lead to improved motor and sensory functioning.