

Early Vibration Therapy Results Table

Author, Year, Country, Design, PEDro score, Rating	Sample Size	Intervention	Outcomes and significance: (+) significant (-) not significant
<p>Stark et al., 2016</p> <p>USA</p> <p>RCT</p> <p>8/10</p> <p>High quality</p>	<p>N = 24 Children with diagnosed CP</p> <p>Age at enrollment: 1-2 years</p> <p>CP diagnosis: 100%</p> <p>CP Type: N/A</p> <p>GMFCS (Gross Motor Function Classification System) Level: Level II-IV</p>	<p>Side alternating whole body vibration (sWBV) training & usual care (n = 12)</p> <p>vs.</p> <p>Usual care (n=12)</p> <p><u>Intervention details:</u></p> <p><i>Intervention group, home based sWBV-training</i></p> <ul style="list-style-type: none"> • 14 weeks, 10 x 9-minute sWBV sessions per week • Each sWBV session involved 3 exercises, each lasting 3 minutes: (1) standing still or alternately squatting and standing up - depending on the child's capacities; (2) sitting on the platform; (3) "four point position" (hands on the platform). Using the Galileo® system combined with a tilt table (Novotec Medical GmbH, Pforzheim, Germany). <p><i>Usual care</i></p> <ul style="list-style-type: none"> • 14 weeks • Physiotherapy (including all regimes like Bobath, Vojta, Petoe, pool therapy, hippotherapy etc.), Osteopathy, Motopaedie, Fruehfoerderung, orthotics and aids, occupational therapy and speech and language therapy. 	<p>At post-treatment (14 weeks):</p> <p><i>Functional skills</i> (-) Functional Skills Scale</p> <p><i>Mobility</i> (-) German Version of the Pediatric Evaluation of Disability Inventory (PEDI-G)</p> <p><i>Gross motor function</i> (-) Gross motor function measure (GMFM-66)</p> <p><i>Cognitive development</i> (-) German Bayley-II Mental Scale</p>