Table 20. Underwater Treadmill Training (UTT)		
Author Year Country Research Design Score Total Sample Size	Methods	Outcome
Stevens et al. (2015); USA Pre-post Level 4 N=11	<ul> <li>Population: 7 males and 5 females; average age 47.7y; &gt;1y post injury; AIS C and D.</li> <li>Treatment: Participants completed 8 weeks (3 × /week) of UTT. Each training session consisted of three walks performed at a personalized speed, with adequate rest between walks. BWS remained constant for each participant and ranged from 29 to 47% of land body weight. Increases in walking speed and duration were staggered and imposed in a gradual and systematic fashion.</li> <li>Outcome Measures: Lower-extremity strength, balance (BBS), preferred and rapid walking speeds, 6MWT, and daily step activity.</li> </ul>	<ol> <li>Participants improved in leg strength (57%), balance (39%), preferred walking speed (34%), rapid walking speed (61%), 6MWT (82%), and daily step activity (121%) following UTT.</li> </ol>
<u>Marinho-Buzelli</u> <u>et al. (2019);</u> Canada Case series Level 4 N=6	Methods: To assess the influence of the aquatic environment on quasi-static posture by measuring CoP sway and trunk acceleration parameters after incomplete SCI in water and on land. Population: 6 participants with incomplete SCI (4 cervical/2 thoracic injuries, AIS D) were enrolled. Mean age = 56.8 years. 2F;4M. Treatment: Participants stood on a waterproof force plate for one minute per trial on land and in water; participants completed testing with their eyes open or closed in random order over 10 trials. Outcome Measures: Baseline balance was assessed by the BBS and Mini- BESTest, CoP sway and trunk acceleration,	<ol> <li>Larger medians of CoP in water than on land for all participants.</li> <li>Participants with low dynamic gait used power wheelchair mobility.</li> <li>Perception of balance improved over time for participant 2.</li> </ol>

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