Ah! the Places They Go: Walking Mobility in Cerebral Palsy

September 26
Tuesday, 12:30 pm
Billings Building—Rosedale Room

SPEAKER:

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Abstract

This presentation will report of the current state of the science for walking activity/mobility in daily life for children with cerebral palsy (CP) as compared to neurotypically developing children. Community walking mobility was captured by the wearable ankle sensor, the StepWatch. A novel synchronization of the wearable StepWatch with global positioning devices (GPS) will be described within the context of interventions to enhance community mobility by walking in this population (i.e. orthotics, treadmill training protocols and by motoric distribution). Lastly, three intervention trials to enhance community walking/mobility will be reported including an individualized approach (precision rehabilitation) of orthotic prescription/alignment and management (Ankle Foot Orthoses Footwear Combinations—AFO-FC), Power training and home based short-burst locomotor treadmill training.

Publications

