



Clinical Evidence Infantile Cerebral Palsy

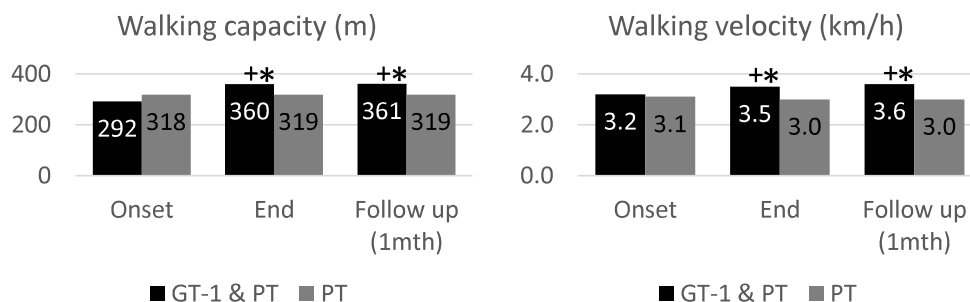
Evidence: Infantile Cerebral Palsy

End-Effector: GT 1

Improved Gait After Repetitive Locomotor Training in Children with Cerebral Palsy

Smania, Neurorehabilitation and Neural Repair 2012

- Population:** 18 children with diplegic or tetraplegic cerebral palsy
- Intervention:** 30 min walking on the GT-1 and 10 min physiotherapy (N=9) or 40 min physiotherapy (N=9)
5 times / week, 2 weeks of treatment
- Primary Outcome:** Walking capacity (6-min walk test) and walking velocity (10-m walk test)



■ GT-1 & PT ■ PT
* Sig. between group comparison
* Sig. within group comparison

Gait kinematics:

- Sig. Increase in hip extension in the GT-1 group

Take away message: Infantile Cerebral Palsy

Improved Gait After Repetitive Locomotor Training in Children with Cerebral Palsy

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- End-Effector gait training improves:
 - Walking capacity
 - Walking velocity
 - Gait kinematics in terms of hip extension