

# Randomized Controlled Trial of Early Intensive Leg Exercise to Improve Walking in Children With Diplegia

NCT03672877

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Status	RECRUITING
Phase	Not Applicable
Sponsor	University of Alberta
Enrollment	60 participants

## Key Eligibility Criteria

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### Inclusion (3)

- Bilateral motor impairment of the lower extremities
- Periventricular white matter injury from encephalopathy of prematurity
- Able to stand with some support

### Exclusion (4)

- Substantial upper extremity involvement - Manual Abilities Classification System (MACS) Level e3
- Uncontrolled epilepsy or infantile spasms in the past 6 months
- Cardiovascular or musculoskeletal complications that preclude participation in intensive exercise
- Botulinum toxin-A (BTX-A) injections in the legs in the last 6 months

## Locations (2 total)

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Alberta Children's Hospital, Calgary, Alberta, Canada  
University of Alberta, Edmonton, Alberta, Canada