

# Bidirectional Tuning of the AFO Stiffness

NCT06412055

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<b>Status</b>	RECRUITING
<b>Phase</b>	Not Applicable
<b>Sponsor</b>	Academisch Medisch Centrum - Universiteit van Amsterdam (AMC-UvA)
<b>Enrollment</b>	10 participants

## Key Eligibility Criteria

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### Inclusion (4)

- Age 18 years or older;
- Presence of plantar flexor weakness in at least one leg, determined as a score lower than 5 on the manual muscle testing scale (Medical Research Council- MRC) and/or inability to perform three single heel rises, with or without dorsiflexion weakness;
- Indicated for or using an AFO;
- Ability to walk 6-minutes consecutively (with assistive device, if necessary).

### Exclusion (3)

- When wearing the AFO, not able to walk short bouts of 10m without walking aids, such as a walker;
- Foot deformities that do not fit in prefab spring-like AFOs;
- Weakness of the knee extensor muscles, for which a knee-ankle-foot orthosis is indicated.

## Locations (1 total)

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Department of rehabilitation medicine Amsterdam UMC, location AMC, Amsterdam, Netherlands