

# Technical Evaluation of Commercial IMUs Within Clinical Gait Analysis

NCT05751408

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Status	RECRUITING
Sponsor	Roessingh Research and Development
Enrollment	40 participants

## Key Eligibility Criteria

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### Inclusion (5)

- Subjects referred for clinical gait analysis at Roessingh Centre for Rehabilitation in Enschede, the Netherlands:
- Disorders affecting walking, including amongst others stroke, traumatic brain injury, MS, incomplete spinal cord injury, CP, Spina Bifida, neuromuscular diseases
- age minimum 18 years
- Viosca score minimum 2; meaning minimal independent walking ability indoors
- increased fall risk or increased effort of walking because of: 1) decreased stability during stance; and/or 2) decreased foot clearance during swing; and/or 3) not able to walk on bare feet because of equinovarus; and/or 4) fatigue during walking because of compensatory strategies.

### Exclusion (2)

- subjects referred for clinical gait analysis because of problems other than stiff knee gait or foot surgery
- severe deficits in communication, memory and understanding at such a level that it would affect instructions during the measurements

## Locations (1 total)

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Roessingh Research and Development, Enschede, Netherlands