

Isokinetic Strength Training in Hemiparetic Patient With Knee Extension Thrust

NCT05887440

Status	RECRUITING
Phase	Not Applicable
Sponsor	Rennes University Hospital
Enrollment	12 participants

Key Eligibility Criteria

Inclusion (8)

- Hemiparetic patient (hemorrhagic or ischemic stroke)
- Subacute stage (< 6 Months) ou chronic stage of stroke (> 6 months) (6 patients in each group)
- Age between 18 and 75 years
- Able to walk 10 meters independently without any assistive devices
- Knee extension thrust during stance phase of gait cycle (rapid posterior movement of the knee toward extension)
- ... and 3 more (see full listing online)

Exclusion (9)

- Major comprehension deficit that not allow to give informed consent and participate to isokinetic strength training (assessed with comprehension subscore of Langague screening Test)
- non stable (unstable cardiovascular condition)
- musculoskeletal disorders with knee pain that not allowed isokinetic strength training
- Botulinum toxin injection less than 3 months or repeated injection in lower limb,
- Proprioception trouble assessed with proprioception section of the Fugl-Meyer Assessment \[FMA-P\] 0/2
- ... and 4 more (see full listing online)

Locations (1 total)

CHU de Rennes, Rennes, France