

The REACTplusNMES Trial: A Double-blinded RCT

NCT06127602

Status	RECRUITING
Phase	Not Applicable
Sponsor	University of Illinois at Chicago
Enrollment	46 participants

Key Eligibility Criteria

Inclusion (7)

- Age group: 18-90 years.
- Presence of hemiparesis.
- Onset of stroke (≥ 6 months).
- Ability to walk at least for 2 minutes on the treadmill with or without ankle foot orthosis.
- Can understand and communicate in English.

... and 2 more (see full listing online)

Exclusion (8)

- Subjects will not proceed with the test if any of the following occurs at baseline measurement: 1) HR $\geq 85\%$ of age-predicted maximal heart rate (HRmax) (HRmax = 220 - age), 2) systolic blood pressure (SBP) ≥ 165 mmHg and/or diastolic blood pressure (DBP) ≥ 110 mmHg during rest, or 3) oxygen saturation (measured by pulse oximeter) $< 95\%$ during rest.
- Body weight of more than 250 lbs.
- Spasticity (Ashworth scale ≥ 2).
- Loss of protective sensations on the paretic leg (indicated by inability to perceive the 5.07/10 g on Semmes-Weinstein Monofilament) or inability to feel the NMES.
- Severe osteoporosis (indicated by T score < -2)

... and 3 more (see full listing online)

Locations (1 total)

University of Illinois at Chicago, Chicago, Illinois, United States