

Low Intensity Focused Ultrasound Stimulation in Stroke Patients - Parameter Optimization

NCT07220005

Status	RECRUITING
Phase	Not Applicable
Sponsor	Duke University
Enrollment	24 participants

Key Eligibility Criteria

Inclusion (4)

- age \geq 21 years old of any gender or race
- First-ever ischemic or hemorrhagic stroke (neuroimaging verified) at least 6 months from the stroke onset of symptoms
- Unilateral arm weakness measured by the Fugl-Meyer Upper-Extremity Scale \leq 62/64
- Inducible rest motor threshold and testing motor threshold recorded from the affected abductor pollicis brevis muscle

Exclusion (9)

- Bilateral strokes (infarcts and/or hematoma)
- Other co-existent neuromuscular disorders affecting upper extremity motor impairment
- History of medically uncontrolled depression or other neuropsychiatric disorders despite medications either before or after a stroke that may affect the subject's ability to participate in the study
- History of confirmed dementia or taking dementia drugs
- Uncontrolled hypertension despite medical treatment(s) at the time of enrollment, defined as SBP \geq 185 mmHg or DBP \geq 110 mmHg (patient can be treated, reassessed and enrolled later)
- ... and 4 more (see full listing online)

Locations (1 total)

Duke University Hospital, Durham, North Carolina, United States