

rTMS Plus CCFES-mediated Functional Task Practice for Severe Stroke

NCT03870672

Status	RECRUITING
Phase	Not Applicable
Sponsor	The Cleveland Clinic
Enrollment	72 participants

Key Eligibility Criteria

Inclusion (11)

- age 18 to 90 years old at time of randomization
- greater than 6 months since a first clinical cortical or subcortical, ischemic or hemorrhagic stroke
- severe upper limb hemiparesis defined as less than 10° active wrist extension or less than 10° active thumb abduction/extension or less than 10° active extension in at least two additional digits (i.e., will not meet minimum CIMT criteria)
- ability to follow 3-stage commands and can remember 2 items from a list of 3 items after 3 minutes
- adequate active movement of shoulder and elbow to position the paretic hand on one's lap for performance of functional task practice and CCFES-assisted hand opening exercises
- ... and 6 more (see full listing online)

Exclusion (5)

- metal implant in the head
- history of seizures as an adult
- history of alcohol or substance abuse less than 10yrs prior to enrollment
- intake of anticonvulsants or anti-depressants contraindicated with TMS
- cardiac pacemaker or other programmable implant

Locations (1 total)

Lerner Research Institute; Cleveland Clinic Foundation, Cleveland, Ohio, United States