

Neuromodulation Effect of Focused Ultrasound for Motor Recovery in Patients With Stroke

NCT06391086

Status	RECRUITING
Phase	Not Applicable
Sponsor	National Taiwan University Hospital
Enrollment	20 participants

Key Eligibility Criteria

Inclusion (6)

- Patients with stroke (including hemorrhagic or ischemic stroke) diagnosed by a board-certificated physician.
- Occurrence of stroke within three months.
- Upper limb muscle strength d 4 points according to the Medical Research Council Manual Muscle Testing scale.
- No previous history of stroke, epilepsy, dementia, Parkinson's disease, or other neurodegenerative diseases.
- Patients could maintain sitting posture for more than 15 minutes on a chair.

... and 1 more (see full listing online)

Exclusion (16)

- History of recurrent stroke, traumatic brain injuries, brain tumors, spinal cord injury, Parkinson's disease or other musculoskeletal system diseases that may affect evaluation and treatment.
- Contraindications to focused ultrasound, including pregnancy, cardiac pacemaker or implantable medical device, abnormal connective tissue diseases, coagulopathy (PLT<100,000/L, PT>14 seconds, APTT>36 seconds, INR>1.3), implants near or in the brain, or those deemed Unsuitable for this treatment by the physician.
- Unable to cooperate with treatment or functional assessment due to impaired consciousness or aphasia; inability to informed consent.
- Patient with cranial bone factor causing the inability of tFUS penetration.
- Patient under anticoagulants with coagulopathy (PLT<100,000/L, PT>14 seconds, APTT>36 seconds, INR>1.3)

... and 11 more (see full listing online)

Locations (1 total)

National Taiwan University Hospital, Taipei, Taiwan