

Telerehabilitation in the Home Versus Therapy In-Clinic for Patients With Stroke

Update

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October 7, 2015

Telerehabilitation in the Home Versus Therapy In-Clinic for Patients With Stroke

- Assessor-blind, randomized, non-inferiority study design
- Comparing 6 weeks of intensive arm motor therapy
traditional in-clinic setting vs. in-home telerehabilitation
in 124 subjects with arm motor deficits 4-20 weeks after ischemic stroke
- 36 treatment sessions of 80 min duration over the 6 weeks
- Primary endpoint: within-subject change in arm motor Fugl-Meyer scale

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Parent StrokeNet RCC	Study Site
Los Angeles Southern California	University of California, Irvine
Northwest Stroke Trials Network	Harborview Medical Center
Chicago Stroke Trials Consortium	Rehabilitation Institute of Chicago
Cleveland Regional Coordinating Center	MetroHealth Rehabilitation Institute of Ohio
Georgia StrokeNet	Emory Rehabilitation Hospital
South Carolina Collaborative Alliance for Stroke Trials	MUSC Center for Rehabilitation Research in Neurological Conditions
Stroke Trials Network of Columbia and Cornell	Burke Rehabilitation Hospital
New England Regional Coordinating Center	Spaulding Rehabilitation Hospital

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Key progress to date:

- Investigator meeting
- Training and certification successfully set up and implemented
- [clinicaltrials.gov NCT02360488](https://clinicaltrials.gov/ct2/show/study/NCT02360488)
- IRB and 1st amendment approved at all 8 sites
- First newsletter circulated
- All hardware distributed

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- First 2 patients randomized; other sites to begin enrollment imminently

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- If each site enrolls 2 patients every 6 weeks, and 20% dropout, trial will complete enrollment in 14 months.
- If 3 patients every 6 weeks: 10 months.
- If 4 patients every 6 weeks: 7 months.

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