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Upper limb retraining in stroke

Submission date	Recruitment status	[ ] Prospectively registered
28/05/2010	No longer recruiting	[ ] Protocol
Registration date	**Overall study status**	[ ] Statistical analysis plan
28/05/2010	Completed	[ ] Results
Last Edited	**Condition category**	[ ] Individual participant data
11/05/2017	Circulatory System	[ ] Record updated in last year

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Protocol serial number
7511

Study information

Scientific Title
A feasibility study of use of a cheap, portable, robotic aid for delivering repetitive practice of reach, supination and manipulation in acute stroke

Study objectives

The aim of this study is to conduct a feasibility study of use of a cheap, portable, robotic aid for delivering repetitive practice of reach, supination and manipulation.

Ethics approval required
Old ethics approval format

Ethics approval(s)
The National Hospital for Neurology and Neurosurgery & Institute of Neurology Joint REC, April 2008, ref: 08/H0716/13

Primary study design
Interventional

Study design
Single-centre randomised interventional treatment trial

Study type(s)
Treatment

Health condition(s) or problem(s) studied
Topic: Stroke Research Network; Subtopic: Rehabilitation; Disease: Device used

Interventions
The study is recruiting the first 100 stroke patients admitted to UCLH trusts. Subjects following consent to participate are to have baseline outcome measures taken. If participants have arm impairments these measures are retaken at 6 weeks or on discharge if earlier. Subjects with arm impairments are also assessed weekly to see if they can interface with a mock up of a robotic device.

Patients will be assessed by a physiotherapist seven days after admission and weekly for the first six weeks or until they are discharged, whichever is the earlier. A final assessment will take place for all patients at six weeks.

Intervention Type
Other

Phase
Not Applicable

Primary outcome(s)
Measured seven days after admission, then weekly until 6 weeks:
1. Action Research Arm Test (ARAT)
2. Disabilities of Arm, Shoulder, Hand (DASH)
3. Chedoke Arm and Hand Inventory
4. Measure of manual ability for adults with upper limb impairments (ABILHAND)
5. Stroke Rehabilitation Assessment of Movement (STREAM)

Key secondary outcome(s)
Measured seven days after admission, then weekly until 6 weeks:
1. Barthel Index
2. European Quality of Life Questionnaire (EQ-5D)

3. 36-item Short Form Health Survey (SF36)
4. National Institutes of Health Stroke Scale (NIHSS)

Completion date
01/06/2011

Eligibility

Key inclusion criteria
1. Confirmed stroke
2. Capable of giving informed consent
3. One hundred consecutive stroke patients (all ages, either sex)

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Other

Sex
All

Key exclusion criteria
Does not meet inclusion criteria

Date of first enrolment
16/06/2009

Date of final enrolment
01/06/2011

Locations

Countries of recruitment
United Kingdom

England

Study participating centre
Multiple Sclerosis and NMR
London
United Kingdom
WC1N 3BG

Sponsor information

Organisation
National Hospital for Neurology and Neurosurgery (UK)

ROR
https://ror.org/048b34d51

Funder(s)

Funder type
Charity

Funder Name
The Stroke Association (UK) (ref: TSA 2007/14)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary
Not provided at time of registration