

# Upper limb retraining in stroke

<b>Submission date</b> 28/05/2010	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 28/05/2010	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
<b>Last Edited</b> 11/05/2017	<b>Condition category</b> Circulatory System	<input type="checkbox"/> Individual participant data <input type="checkbox"/> Record updated in last year

## Plain English summary of protocol

Not provided at time of registration

## Contact information

### Type(s)

Scientific

### Contact name

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### Contact details

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## Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers

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

**Study design**

Single-centre randomised interventional treatment trial

**Primary study design**

Interventional

**Secondary study design**

Randomised controlled trial

**Study setting(s)**

Hospital

**Study type(s)**

Treatment

**Participant information sheet****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 measure**

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)

**Secondary outcome measures**

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)

**Overall study start date**

16/06/2009

**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

**Age group**

Other

**Sex**

Both

**Target number of participants**

Planned sample size: 100; UK sample size: 100

**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

England

United Kingdom

## Study participating centre

**Multiple Sclerosis and NMR**

London

United Kingdom

WC1N 3BG

# Sponsor information

## Organisation

National Hospital for Neurology and Neurosurgery (UK)

## Sponsor details

Institute of Neurology

Queen Square

London

England

United Kingdom

WC1N 3BG

## Sponsor type

Hospital/treatment centre

## Website

<http://www.uclh.nhs.uk/Our+hospitals/National+Hospital+for+Neurology+and+Neurosurgery.htm>

## ROR

<https://ror.org/048b34d51>

# Funder(s)

## Funder type

Charity

## Funder Name

## **Results and Publications**

### **Publication and dissemination plan**

Not provided at time of registration

### **Intention to publish date**

### **Individual participant data (IPD) sharing plan**

### **IPD sharing plan summary**

Not provided at time of registration