

Development of an intelligent robotic system to aid physical therapy in stroke (development of an arm exerciser that can add to the treatment given by a physiotherapist for people who have had stroke)

Submission date 12/09/2003	Recruitment status No longer recruiting	☐ Prospectively registered ☐ Protocol
Registration date 12/09/2003	Overall study status Completed	☐ Statistical analysis plan ☐ Results
Last Edited 30/04/2018	Condition category Circulatory System	☐ Individual participant data ☐ 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
N0436118143

Study information

Scientific Title

Development of an intelligent robotic system to aid physical therapy in stroke (development of an arm exerciser that can add to the treatment given by a physiotherapist for people who have had stroke)

Study objectives

In people with severe arm paresis after stroke, functional recovery in the affected arm is poor. There is some evidence for a beneficial effect of physical therapy on recovery of the arm with a positive dose response relationship.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Not provided at time of registration

Study design

Randomised controlled trial

Primary study design

Interventional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Paresis after stroke

Interventions

Randomised controlled trial. Random allocation to:

1. Physical therapy
2. Physical therapy with robotic arm exerciser

Intervention Type

Other

Phase

Not Specified

Primary outcome(s)

1. Range of voluntary movement
2. Smoothness of movement
3. Arm function

Key secondary outcome(s)

Not provided at time of registration

Completion date

01/05/2004

Eligibility

Key inclusion criteria

Stroke patients with arm paresis and/or spasticity impeding voluntary movement.

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Not Specified

Sex

Not Specified

Key exclusion criteria

Does not match inclusion criteria

Date of first enrolment

01/02/2002

Date of final enrolment

01/05/2004

Locations

Countries of recruitment

United Kingdom

England

Study participating centre

Rheumatology and Rehabilitation Research Unit

Leeds

United Kingdom

LS2 9LN

Sponsor information

Organisation

Department of Health (UK)

Funder(s)

Funder type

Hospital/treatment centre

Funder Name

Leeds Teaching Hospitals NHS Trust (UK)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration