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	Recruitment status	Prospectively registered
12/09/2003	No longer recruiting	[_] Protocol
Registration date	Overall study status	[] Statistical analysis plan
12/09/2003	Completed	[_] Results
Last Edited	Condition category	Individual participant data
30/04/2018	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

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers 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

Secondary study design Randomised controlled trial

Study setting(s) Hospital

Study type(s) Treatment

Participant information sheet

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 measure

1. Range of voluntary movement

2. Smoothness of movement

3. Arm function

Secondary outcome measures Not provided at time of registration

Overall study start date 01/02/2002

Completion date 01/05/2004

Eligibility

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

Participant type(s) Patient

Age group Not Specified

Sex Not Specified

Target number of participants Not provided at time of registration

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 England

United Kingdom

Study participating centre Rheumatology and Rehabilitation Research Unit Leeds United Kingdom LS2 9LN

Sponsor information

Organisation Department of Health (UK)

Sponsor details Richmond House 79 Whitehall London United Kingdom SW1A 2NL

Sponsor type Government

Website http://www.doh.gov.uk

Funder(s)

Funder type Hospital/treatment centre

Funder Name Leeds Teaching Hospitals NHS Trust (UK)

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