ISRCTN23388474 https://doi.org/10.1186/ISRCTN23388474

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

Contact name
Dr BB Bhakta

Contact details
Rheumatology and Rehabilitation Research Unit
36 Clarendon Road
Leeds
United Kingdom
LS2 9LN
+44 (0)113 233 4939
b.bhakta@leeds.ac.uk

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