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

Registration date
12/09/2003

Overall study status
Completed

Last Edited
30/04/2018

Condition category
Circulatory System

[ ] Prospectively registered
[ ] Protocol
[ ] Statistical analysis plan
[ ] Results
[ ] 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