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Rehabilitation of arm function

Submission date 23/01/2004	**Recruitment status** No longer recruiting	[_] Prospectively registered [_] Protocol [_] Statistical analysis plan [X] Results [_] Individual participant data
Registration date 23/01/2004	**Overall study status** Completed	
Last Edited 21/12/2009	**Condition category** Circulatory System	

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
MS41

Study information

Scientific Title

Study objectives
After suffering a stroke most patients have problems using the affected arm and hand, but achieve varying degrees of recovery over the ensuing months. Most patients receive routine

physiotherapy.
The aim of this study was to investigate the use of more intensive physiotherapy to see if this improved arm and hand function.

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
Stroke rehabilitation

Interventions
Participants were allocated to one of three treatment groups
1. Routine physiotherapy (RPT)
2. Qualified physiotherapist (QPT)
3. Assistant physiotherapist (APT)
The patients in the last group were assessed initially by a qualified physiotherapist who then supervised the treatment of each patient by the assistant weekly. Routine physiotherapy involved about 2-3 hours a week for all disabilities, while patients in the other two groups received 2 hours of additional treatment for their arm each week for 5 weeks (ten hours in total).

Intervention Type
Other

Phase
Not Applicable

Primary outcome(s)
The principal measures used at five weeks:
1. Rivermead Motor Assessment Arm Scale
2. Action Research Arm Test.

Key secondary outcome(s))
Other tests measured
1. dexterity
2. grip
3. motor function
4. self- care
5. other daily living abilities
The later assessments comprised four of these tests.

Outcomes were assessed after five weeks, three months, and six months.

Completion date
01/04/1998

Eligibility

Key inclusion criteria
Patients with admitted to Nottingham City Hospital following a stroke were entered in the study between one and five weeks later, after giving consent. All patients had normal arm function prior to the stroke, and were assessed as able to accept the physiotherapy programme.

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
01/10/1994

Date of final enrolment
01/04/1998

Locations

Countries of recruitment
United Kingdom

England

Study participating centre
School of Psychology
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United Kingdom
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Sponsor information

Organisation
Record Provided by the NHS R&D 'Time-Limited' National Programme Register - Department of Health (UK)

Funder(s)

Funder type
Government

Funder Name
NHS Cardiovascular Disease and Stroke National Research and Development Programme (UK)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary
Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	01/03/1999		Yes	No
Results article	results on analysis of arm impairment severity	01/06/1999		Yes	No