

Rehabilitation of arm function

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

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

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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

Primary study design

Interventional

Study design

Randomised controlled trial

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**

Nottingham

United Kingdom

NG7 2RP

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