

Effects of external-focus feedback on motor skill acquisition after stroke

Submission date 21/10/2010	Recruitment status No longer recruiting	☐ Prospectively registered ☐ Protocol
Registration date 21/10/2010	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 24/09/2013	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
Dr Paulette van Vliet

Contact details
University of Birmingham
School of Health Sciences
Edgbaston
Birmingham
United Kingdom
B15 2TT
p.vanvliet@bham.ac.uk

Additional identifiers

Protocol serial number
4425

Study information

Scientific Title

Acronym

Motor skill acquisition

Study objectives

In healthy subjects, feedback inducing an external focus of attention (about movement effects) produces more effective movements compared with feedback that induces an internal focus of attention (about body movements). It is unclear whether this extends to people with stroke.

Objective:

To examine whether feedback inducing an internal or external focus was more effective for retraining the hemiplegic arm.

Ethics approval required

Old ethics approval format

Ethics approval(s)

MREC approved (ref: 05/Q2709/126)

Primary study design

Interventional

Study design

Multicentre non-randomised interventional phase II treatment trial

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Topic: Stroke Research Network; Subtopic: Rehabilitation; Disease: Therapy type

Interventions

Forty-two people with stroke performed three reaching tasks in a counterbalanced, within-subject design.

Intervention Type

Other

Phase

Phase II

Primary outcome(s)

Faster movements

Key secondary outcome(s)

1. Increased percentage time to peak deceleration
2. Increased percentage time to peak velocity

Completion date

25/06/2008

Eligibility

Key inclusion criteria

1. Diagnosis of stroke of ischaemic or haemorrhagic origin
2. Score of between 25 and 60 on the Fugl-Meyer Assessment (arm section)
3. Informed written consent

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Not Specified

Sex

Not Specified

Key exclusion criteria

1. Upper limb movement deficits attributable to non-stroke pathology
2. Severe somato-sensory disturbance (less than 1 on the Erasmus MC Modified Nottingham Sensory Assessment)
3. More than 18 months post-stroke
4. Moderate to severe receptive aphasia (less than 5 on 'receptive skills' of Sheffield Test for Acquired Language Disorders)

Date of first enrolment

10/07/2007

Date of final enrolment

25/06/2008

Locations**Countries of recruitment**

United Kingdom

England

Study participating centre

University of Birmingham

Birmingham

United Kingdom

B15 2TT

Sponsor information

Organisation

University of Birmingham (UK)

ROR

<https://ror.org/03angcq70>

Funder(s)**Funder type**

Charity

Funder Name

The Stroke Association (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	01/06/2014		Yes	No