

# Virtual Reality in the Rehabilitation of the Upper Limb after stroke

<b>Submission date</b> 30/01/2006	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 11/04/2006	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
<b>Last Edited</b> 30/08/2011	<b>Condition category</b> Circulatory System	<input type="checkbox"/> Individual participant data

**Plain English summary of protocol**  
Not provided at time of registration

## Contact information

**Type(s)**  
Scientific

**Contact name**  
Prof Suzanne McDonough

**Contact details**  
14J15 Jordanstown campus  
University of Ulster  
Newtownabbey  
United Kingdom  
BT37 0QB

## Additional identifiers

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**  
N/A

## Study information

**Scientific Title**

**Acronym**

VRRUL

**Study objectives**

Does virtual reality-based rehabilitation produce improved outcomes in comparison to standard physiotherapy for the upper limb

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

Approved by the Queen's University Belfast Research Ethics Committee on 26/08/2003, reference number: 186/03

**Study design**

Randomised controlled study

**Primary study design**

Interventional

**Secondary study design**

Randomised controlled trial

**Study setting(s)**

Not specified

**Study type(s)**

Quality of life

**Participant information sheet****Health condition(s) or problem(s) studied**

Stroke

**Interventions**

Virtual reality-based upper limb exercises compared to standard assisted active exercises

**Intervention Type**

Other

**Phase**

Not Specified

**Primary outcome measure**

Motoricity index score

**Secondary outcome measures**

Action research arm test score

**Overall study start date**

01/10/2005

**Completion date**

30/04/2007

## Eligibility

**Key inclusion criteria**

1. First stroke
2. Mental score >6/10
3. Motoricity index score >25/100
4. Star cancellation score >47/52

**Participant type(s)**

Patient

**Age group**

Adult

**Sex**

Both

**Target number of participants**

30

**Key exclusion criteria**

1. Aphasia
2. Severe arm pain
3. Cardiac pacemaker

**Date of first enrolment**

01/10/2005

**Date of final enrolment**

30/04/2007

## Locations

**Countries of recruitment**

Northern Ireland

United Kingdom

**Study participating centre**

**14J15 Jordanstown campus**  
Newtownabbey  
United Kingdom  
BT37 0QB

## **Sponsor information**

### **Organisation**

Northern Ireland Chest Heart and Stroke Association (UK)

### **Sponsor details**

22 Great Victoria Street  
Belfast  
United Kingdom  
BT2 7LX

### **Sponsor type**

Charity

### **Website**

<http://www.nichsa.com>

### **ROR**

<https://ror.org/0318hx909>

## **Funder(s)**

### **Funder type**

Charity

### **Funder Name**

Northern Ireland Chest Heart and Stroke Association reference number 2002004

### **Alternative Name(s)**

NICHHS

### **Funding Body Type**

Private sector organisation

### **Funding Body Subtype**

Associations and societies (private and public)

### **Location**

United Kingdom

# 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

## Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Results article</a>	results	01/04/2006		Yes	No