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ReaDySpeech for people with dysarthria after stroke

Submission date	Recruitment status	[X] Prospectively registered
20/05/2015	No longer recruiting	[X] Protocol
Registration date	**Overall study status**	[_] Statistical analysis plan
21/05/2015	Completed	[X] Results
Last Edited	**Condition category**	[_] Individual participant data
24/01/2019	Circulatory System	

Plain English summary of protocol

Background and study aims
Dysarthria, or slurred speech, is caused by muscle weakness and is common after a stroke. It happens when areas of the brain or nervous system that control the muscles used for speech are damaged. Dysarthria can lead to people feeling isolated, unconfident and uncomfortable in social situations. Speech therapy can offer support to people with dysarthria and help to reduce its symptoms, but this treatment is not always provided within the NHS. The aim of this study is to test a new technology called ReaDySpeech, a specially designed computer programme which aims to provide patients with greater access to personalised speech rehabilitation. ReaDySpeech technology will be trialled in this study with both clinicians and patients to see what they think of it. If clinicians and patients find the technology acceptable, a larger study will be designed from its results so that it can be tested with more people.

Who can participate?
Adults with dysarthria following a stroke.

What does the study involve?
All participants are given access to the ReaDySpeech computer programme. Users are asked to provide feedback on ReaDySpeech.

What are the possible benefits and risks of participating?
Not provided at time of registration.

Where is the study run from?
University of Manchester (UK)

When is the study starting and how long is it expected to run for?
September 2015 to November 2016

Who is funding the study?
National Institute for Health Research (UK)

Who is the main contact?
Mrs C Mitchell

Contact information

Type(s)
Scientific

Contact name
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Additional identifiers

Protocol serial number
18964

Study information

Scientific Title
ReaDySpeech for people with dysarthria after stroke: a feasibility study

Study objectives
This study will test the feasibility of a new speech rehabilitation technology, ReaDySpeech, developed for patients with dysarthria. This study will assess its acceptability with clinicians and patients, and the results will be used in the design of a larger study.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Ref: 15/NW/0371.

Study design
Randomised interventional treatment study

Primary study design
Interventional

Study type(s)
Treatment

Health condition(s) or problem(s) studied
Stroke rehabilitation for dysarthria

Interventions
Participants will be given access to ReaDySpeech, a computer based programme designed to deliver speech therapy exercises to patients.

Intervention Type
Other

Primary outcome(s)
Activity measure.

Key secondary outcome(s))
Not available at time of registration.

Completion date
01/11/2016

Eligibility

Key inclusion criteria
1. Participants will be selected by the clinician, within the inclusion criteria of more than 1 week post stroke
2. No upper limit to time post stroke
3. Participants will present with dysarthria, willing and able to undertake communication therapy (in clinicians' opinion)
4. Sufficient ability in English to participate in therapy without a translator
5. Medically stable
6. Able to give informed consent to participate

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Adult

Sex
All

Key exclusion criteria
1. Dysarthria for reason other than stroke
2. Not fluent in the English language (this may make using ReaDySpeech difficult)
3. Coexisting communication, cognitive, hearing or visual problems, significant enough to make using ReaDySpeech difficult
4. Coexisting progressive neurological condition

Date of first enrolment
01/09/2015

Date of final enrolment
01/11/2016

Locations

Countries of recruitment
United Kingdom

England

Study participating centre
University of Manchester
Oxford Road
Manchester
United Kingdom
M13 9PL

Sponsor information

Organisation
University of Manchester

ROR
https://ror.org/027m9bs27

Funder(s)

Funder type
Government

Funder Name
National Institute for Health Research

Alternative Name(s)
National Institute for Health Research, NIHR Research, NIHRresearch, NIHR - National Institute for Health Research, NIHR (The National Institute for Health and Care Research), NIHR

Funding Body Type
Government organisation

Funding Body Subtype
National government

Location
United Kingdom

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	01/08/2018	24/01/2019	Yes	No
Protocol article	protocol	20/07/2017		Yes	No
HRA research summary			28/06/2023	No	No