Controlling your languages after acquired neurological damage

No registrations found.

Ethical review	Not applicable
Status	Pending
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON29056

Source Nationaal Trial Register

Brief title TBA

Health condition

Aphasia

Sponsors and support

Primary sponsor: Centre for Language Studies (CLS), Radboud University, Nijmegen (The Netherlands)

Source(s) of monetary or material Support: Centre for Language Studies (CLS), Radboud University, Nijmegen (The Netherlands)

Intervention

Outcome measures

Primary outcome

(1) The differences in accuracy (in number or percentage correct) and reaction time (in milliseconds) measures on:

a) Picture-naming test

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- b) Picture-word interference test
- c) Language- and task switching tests
- d) Flanker test for inhibitory control
- (2) Effectiveness and efficiency of functional communication measured with the ANELT

(Blomert, Koster & Kean, 1995)

Secondary outcome

(1) Token Test (36-item version, De Renzi & Fraglioni, 1978) as a measure of overall severity of aphasia in each language

Study description

Background summary

The main objective of this observational study is to investigate whether the with bilingualism associated advantages in executive control have a beneficial influence on people with aphasia, and if these benefits aid functional communication. In investigating this, the study also aims to add to the knowledge of the recovery of more than one languages after acquired neurological brain damage. Finally, the findings of this study will contribute to the growing body of research investigating the interplay between language abilities skills and executive control in individuals with aphasia and neurologically healthy individuals.

Study objective

- Language and non-language executive control abilities are positively associated in bilingual and monolingual individuals, with and without aphasia.

- Bilingual and general language control abilities are positively associated in bilingual individual with and without aphasia.

- Executive control abilities are positively associated with functional communicative skills in individuals with aphasia.

- Bilingual individuals with aphasia experience advantages in executive control and, consequently, communicative skills.

Study design

One (monolingual groups) or two, 2-4 weeks apart (bilingual groups)

Intervention

N/A

Contacts

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Eligibility criteria

Inclusion criteria

(1) Age at time of inclusion between 18-75 years old

(2) Unilateral left hemispheric stroke >6 months prior to inclusion

(3) Objectified language impairment as a result of the neurological damage (based on

clinician's assessment, earlier standardized tests, and/or Token Test score <32) (4) Native speaker of Dutch

(5) Ability to understand information about participation, willingness to give consent

Exclusion criteria

(1) Pre-existent neurological, psychiatric, or language problems (other than stroke)

(2) Severe vision or hearing problems that cannot be corrected or controlled for

(3) Severe impairment in comprehending spoken language (unable to understand instructions or provide consent). Operationalized through score on (1) the Dutch Comprehensive Aphasia Test (CAT-NL; Visch-Brink, Vandenborre, De Smet & Marien, 2014) OR (2) the Dutch version of the Aachen Aphasia Test (AAT; Graetz, De Bleser, & Willmes, 1992).

a) CAT-NL: Subtest 9 [Comprehension of spoken sentences]: a score of 18 (out of 32) or below

c) AAT: Subtest TB 1&2 [Comprehension of spoken language]: a score of 33 (out of 60) or below

Study design

Design

Study type:	Observational non invasive	
Intervention model:	Other	
Allocation:	Non controlled trial	
Masking:	Open (masking not used)	
Control:	N/A , unknown	

Recruitment

NL	
Recruitment status:	Pending
Start date (anticipated):	01-09-2019
Enrollment:	40
Туре:	Anticipated

IPD sharing statement

Plan to share IPD: Undecided

Ethics review

Not applicable Application type:

Not applicable

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

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In other registers

Register ID

NTR-new NL8390

Other Ethics Assessment Committee of the Faculty of Arts and the Faculty of Philosophy, Theology and Religious Studies (EACH), Radboud University, Nijmegen [This study was exempt from formal medical-ethical approval (number 2019-5447, CMO Radboudumc Nijmegen)]. : ETC-GW 2019-5035

Study results