

Lexical Production and Cognitive Control in Bilinguals

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- In bringing about an absence of standard language effect in bilinguals, the neural mechanisms which differentiate L1 and L2 lexical productions will no longer be different from each other and the same neural underpinnings will be involved in L1...

Ethische beoordeling	Positief advies
Status	Werving nog niet gestart
Type aandoening	-
Onderzoekstype	Observationeel onderzoek, zonder invasieve metingen

Samenvatting

ID

NL-OMON27895

Bron

Nationaal Trial Register

Verkorte titel

LPCC in Bilinguals

Aandoening

Bilingual Lexical Production, Cognitive Control

Ondersteuning

Primaire sponsor: This research has received partial funding from Cognitive Psychology Unit of Leiden University, which just concerns financial compensation for participants.

Overige ondersteuning: This research has received partial funding from Cognitive Psychology Unit of Leiden University, which just concerns financial compensation for participants.

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

The main endpoints of the study are to delineate the way cognitive control contributes to absence of standard language effect and reversed language effect in bilinguals, when producing L1 and L2 lexical items.

Toelichting onderzoek

Achtergrond van het onderzoek

This research addresses the gap in the related state-of-the-art research, by investigating the way neural mechanisms function in bringing about reversed language effect, and absence of standard language effect in bilinguals, and the way cognitive control modulate such language behavior.

Doel van het onderzoek

- In bringing about an absence of standard language effect in bilinguals, the neural mechanisms which differentiate L1 and L2 lexical productions will no longer be different from each other and the same neural underpinnings will be involved in L1 and L2 lexical productions.
- In bringing about reversed language effect in bilinguals, cognitive control has a facilitatory function over L2 and an inhibitory function over L1. Such a function is also hypothesized to underlie lexical production in the intended language and the inhibition of such a production in the unintended language.

Onderzoeksopzet

This experiment is expected to be completed in mid 2018.

Onderzoeksproduct en/of interventie

Not applicable

Contactpersonen

Publiek

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

Participants will be healthy, volunteer, right-handed Dutch-English bilinguals, without any report and history of neurological or psychiatric problems and no counter-indications to MRI. Their age will not be more than thirty. In addition, in this study upper intermediate bilinguals will be included and the main criteria to assess this level of bilingualism will be a quick placement test published by Oxford University Press.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

Left-handed volunteers, balanced bilinguals, bilinguals with less than upper intermediate proficiency in English language, the ones who are more than 30 years old, and have any report and history of neurological or psychiatric problems will be excluded from this study. Potential participants will be pre-screened for contraindications for fMRI, which include metal implants, heart arrhythmia, claustrophobia, and possible pregnancy (in females). They will additionally be pre-screened for head trauma, history of neurological or psychiatric illness and/or use of psychotropic medications. The ones with the positive results in pre-screen section will be excluded.

Onderzoeksopzet

Opzet

Type: Observationeel onderzoek, zonder invasieve metingen
Onderzoeksmodel: Anders
Controle: N.v.t. / onbekend

Deelname

Nederland
Status: Werving nog niet gestart
(Verwachte) startdatum: 03-01-2018
Aantal proefpersonen: 50
Type: Verwachte startdatum

Ethische beoordeling

Positief advies
Datum: 31-12-2017
Soort: Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

ID: 44342
Bron: ToetsingOnline
Titel:

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register

NTR-new

NTR-old

CCMO

OMON

ID

NL6728

NTR6939

NL61816.058.17

NL-OMON44342

Resultaten

Samenvatting resultaten

N/A