



Investigating lexical selection in speech production

QUT Ethics Approval Number: 1500000802

RESEARCH TEAM

Principal Researcher: Professor Greig de Zubicaray

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DESCRIPTION

The purpose of the research is to gain a better understanding of the information processes that influence how we produce speech while performing picture naming tasks.

This research intends to provide information about how the brain normally works to produce speech. Different diseases and conditions can have an impact on the way people are able to communicate through speech. Understanding the way the brain normally works during speech helps psychologists recognise and predict the problems people may have when part of the brain is damaged. This understanding can also assist in the design and modification of language treatments for people with communication impairments due to various brain conditions (e.g., stroke).

PARTICIPATION

You will complete various naming tasks while your vocal responses are recorded and stored for later analysis. The naming tasks may include:

- Picture-word interference (PWI) tasks (naming a depicted object or action while ignoring an accompanying distractor word presented visually or aurally; the words may be items from the same semantic category, grammatical class, associates or items starting with or ending with same sound).
- Picture-picture interference (PPI) tasks (naming a depicted object or action while ignoring an accompanying context picture; the context pictures may be items from the same semantic category, grammatical class, associates or items starting with or ending with same sound).
- Blocking tasks (naming a depicted object or action within a block or consecutive series of similar or different class of items; e.g., items from the same semantic category, grammatical class, associates or items starting with or ending with same sound).
- Postcue tasks (naming one of two superimposed depicted objects or actions as indicated by a subsequently presented word cue; items may be from a similar or different class; e.g., items from the same semantic category, grammatical class, associates or items starting with or ending with same sound).
- Sentence-picture tasks (completing a sentence fragment or naming to a definition presented visually or auditorally followed by naming a depicted object or action; the words elicited by the sentences/definitions may be items from the same semantic category, grammatical class, associates or items starting with or ending with same sound).

Testing sessions will be up to 1 hours in duration. You will be given opportunities to rest as required during the sessions.

Your participation in this project is entirely voluntary. Your decision to participate or not participate will in no way impact upon your current or future relationship with QUT, for example your grades if you are a university student.

If you do agree to participate you can withdraw from the project at any time without comment or penalty. However, if you are participating as part of course credit through SONA registration, your withdrawal before testing will result in no course credit being allocated to you.

EXPECTED BENEFITS

Participation in this research will not directly benefit you. The major benefit will be in helping contribute to the understanding how the brain produces speech.

If you are a student registered with QUT's SONA system you may be awarded up to 1 course credits for your participation.

If you are not registered with SONA to recognise your contribution if you choose to participate the research team is offering a \$10 gift voucher.

RISKS

There are no risks beyond normal day-to-day living associated with your participation in this project. However the project is not suitable for people who have survived a stroke or who suffer from a neurological disorder (e.g. epilepsy, Parkinson's disease).

PRIVACY AND CONFIDENTIALITY

Any data collected as part of this project will be stored securely in line with QUT's Management of research data policy. Please note that non-identifiable data collected in this project may be used in future projects.

CONSENT TO PARTICIPATE

If you agree to participate, please sign the consent form

QUESTIONS / FURTHER INFORMATION ABOUT THE PROJECT

If you have any questions or require further information please contact one of the researchers listed below.

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CONCERNS / COMPLAINTS REGARDING THE CONDUCT OF THE PROJECT

QUT is committed to research integrity and the ethical conduct of research projects. However, if you do have any concerns or complaints about the ethical conduct of the project you may contact the QUT Research Ethics Advisory Team on 07 3138 5123 or email ethicscontact@qut.edu.au. The QUT Research Ethics Advisory Team is not connected with the research project and can facilitate a resolution to your concern in an impartial manner.

Thank you for helping with this research project. Please keep this sheet for your information.