

Bionic voice reconstruction in dysphonic individuals

ACTRN12616000192482

Status RECRUITING
Sponsor Unitec Institute of Technology
Enrollment 70 participants

Plain Language Summary

This study is developing and testing a computer system that can turn a weak or whispered voice into normal-sounding speech in real time. It is aimed at people who have had their voice box removed or have a voice disorder that makes it difficult to speak loudly or clearly. Participants provide voice recordings in a quiet room, and the system's ability to reconstruct the full voice is then evaluated for accuracy and naturalness.

You may be eligible if:

- You are 18 years of age or older
- You have an abnormal voice (e.g. hoarse, weak, or whisper-like)
- You are able to attempt voice tasks and follow instructions
- You can give informed consent and complete a questionnaire in English

You may NOT be eligible if:

- You have significant lung disease
- You are unable to attempt voice tasks
- You do not speak English
- You cannot give informed consent

Talk to your doctor about whether this trial might be right for you.

Key Eligibility Criteria

Inclusion (3)

-) Abnormal voice
-) Able to attempt repeated voice tasks and follow instructions
-) Able to understand and give consent for the study and able to complete self-assessment questionnaire

Exclusion (4)

-) Significant pulmonary disease condition
-) Unable to attempt voice tasks or follow instructions
-) Unable to speak English
-) Inability to give informed consent

Locations (1 total)

Auckland, New Zealand

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12616000192482>

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