

Processing of prosodically marked focus in a cochlear implant simulation by non-native listeners: Preliminary results

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Introduction

- prosodic cues (f_0 , int, dur) signal focus → nuclear accent
- focus position relates to the QUD (question-under-discussion)
- non-native listeners map focus to context less accurately
- cochlear implant (CI) listeners have great difficulty processing prosody

Research question

How does a CI simulation influence the interpretation of prosodically marked focus in a non-native language?

Method

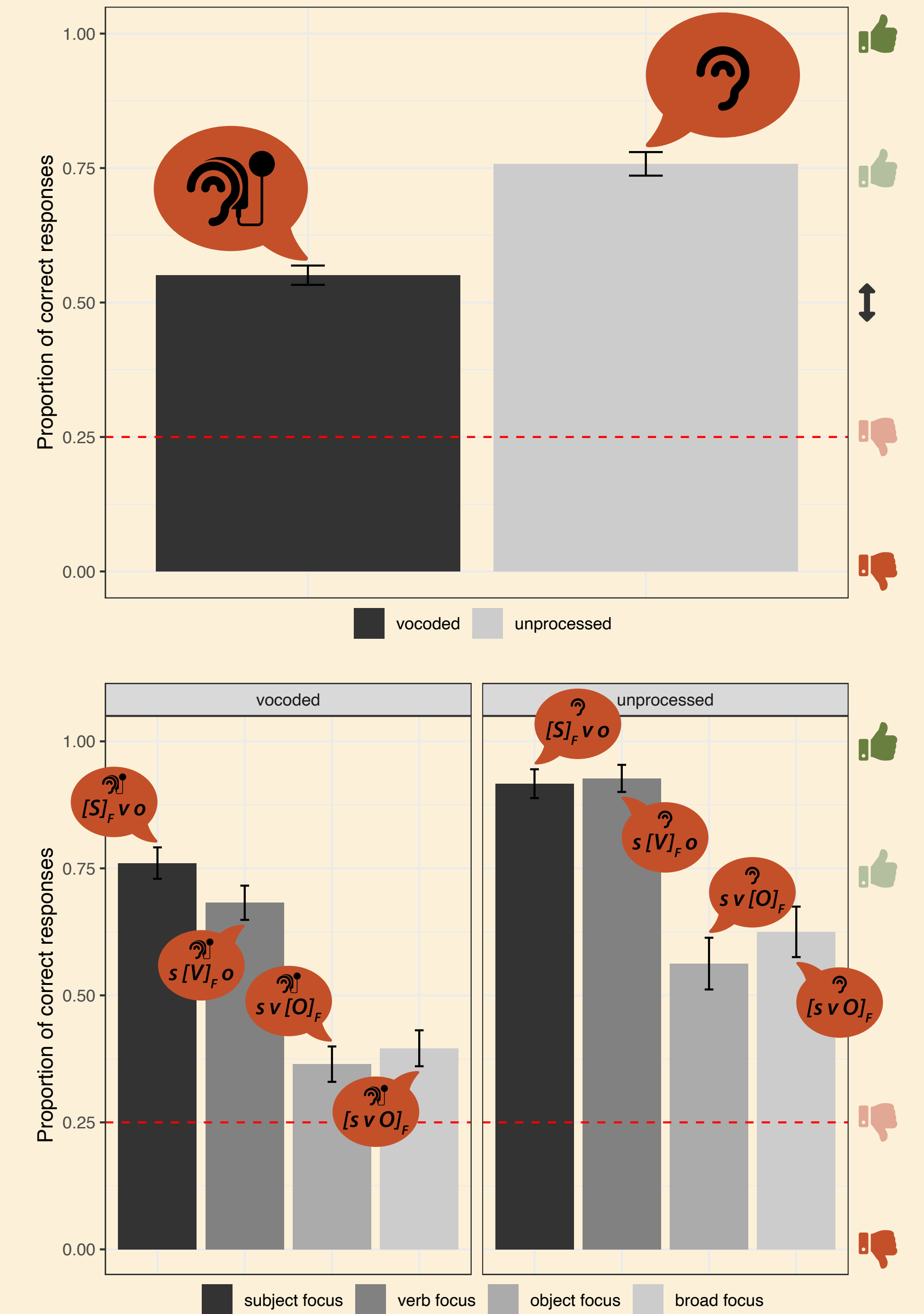
- 96 (24 x 4) sentences + QUDs
- 4 native English speakers
- 6 CI-simulation settings (6 / 8 / 12 channels, 100 / 300 Hz cut-off)
- 12 native Dutch adults
- pilot (online)
- 11-4AFC task
- response accuracy



Which question did the speaker answer?



Results (preliminary)



What's next?

- 8 channels, 160 Hz cut-off
- 12–14 y/o (Dutch + English)
- single-task + dual-task
- ! young non-native CI listeners !**