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UNVEILING THE TRUE PERFORMANCE OF AN AUTOMATIC CLASSIFIER: INSIGHTS FROM VIRTUAL CLASSROOMS

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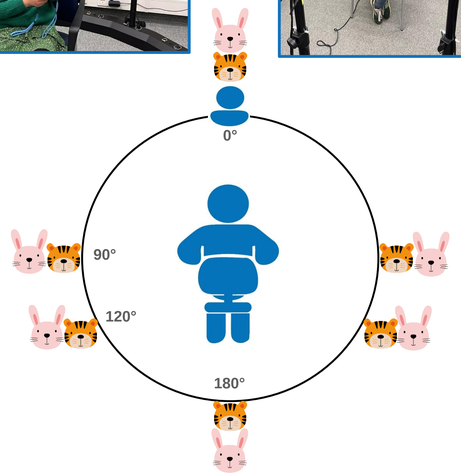
BACKGROUND

- Children encounter different listening situations than adults
- AutoSense Sky OS: Automatic Classifier (Phonak/AB) for children
- Limited evidence of effectivity in children
- **What is the effect of AutoSense Sky OS in children with CI?**

DESIGN

- Crossover intervention study
- 11 children with AB Sky CI (7-16 years old)
- AutoSense Off/On compared:
  - in everyday live (4 weeks take home period)
  - in a test with virtual classroom setting
    - * Spatial awareness and speech in noise test (DIN)
    - * Loudspeaker ring with 12 loudspeakers
    - * VR headset for visual stimuli

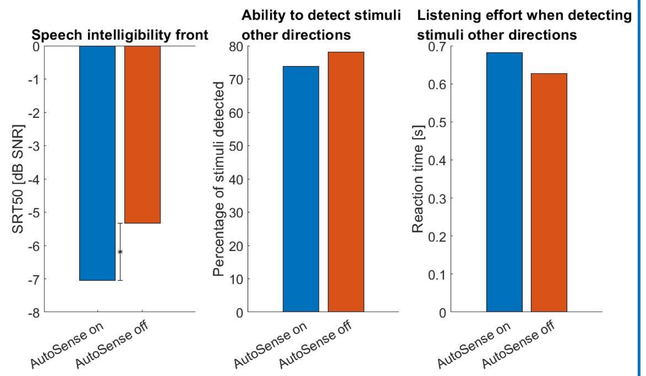


CONCLUSION

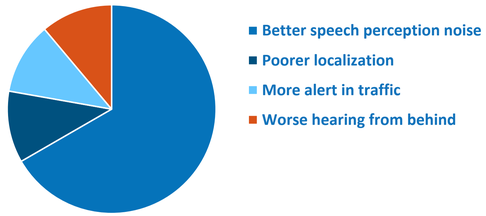
Use of an Automatic classifier improves speech perception in the classroom, while environmental sounds can still be detected.

RESULTS

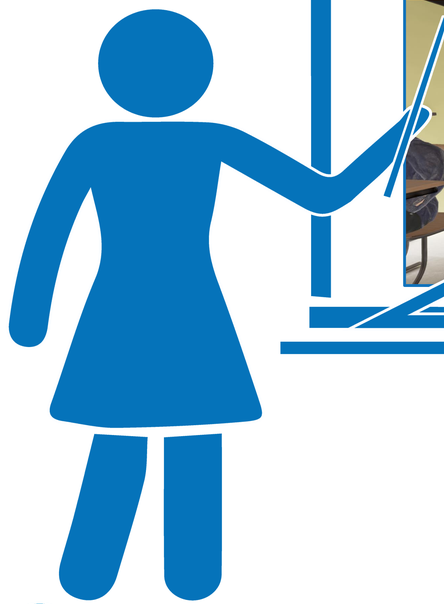
VR-TEST

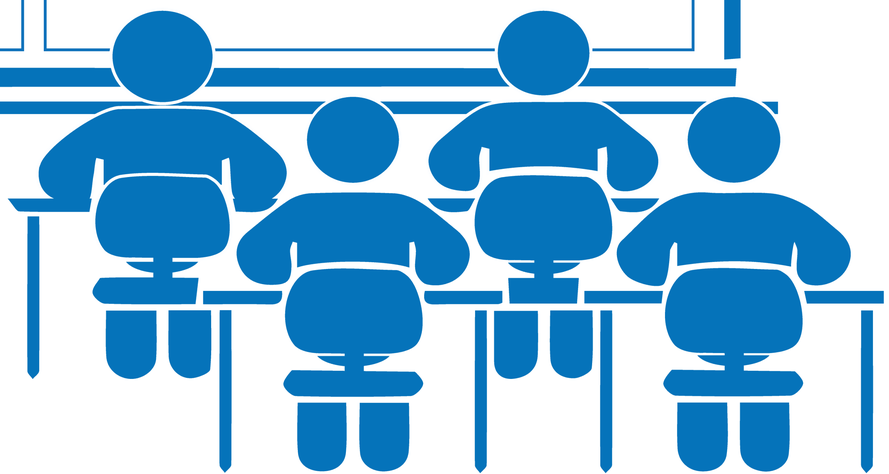


NOTED DIFFERENCES DAILY LIFE AUTOSENSE



8 OF 11 CHILDREN PREFERRED AUTOSENSE ON





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MORE INFORMATION?
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