

PROJEKT: VOICEADAPT

Adaptives Sprachtraining für Aphasie-Patienten



Raimund Schatz

AIT Austrian Institute of Technology

Center for Technology Experience



VOICEADAPT IN A NUTSHELL

- VoiceAdapt project aims to empower **elderly people with aphasia** by means of improving their **communication capabilities** and their daily communicative activity to attain greater levels of **long-term recovery**.
- To this end, we apply **innovative speech-sensitive technology** to application-based support & training of people with aphasia in order to develop a **system that detects and adapts to spoken language deficiencies** that are typical signs and symptoms of aphasia.



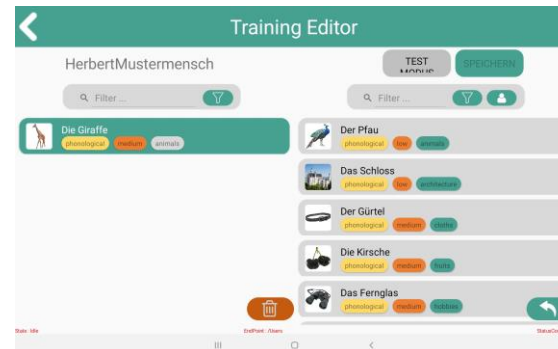
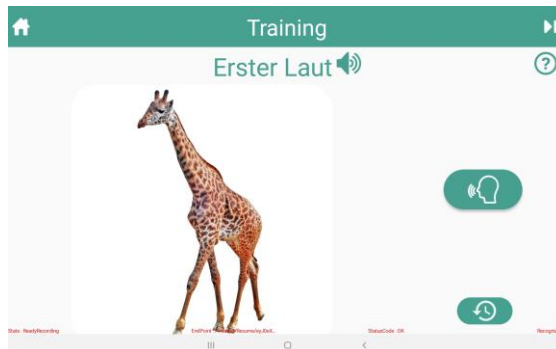
KERNIDEE: INTERAKTIVES APP-BASIERTES SPRACHTRAINING

- Benennung von Begriffen
- Phonologische and semantische Hinweise
- Spracheingabe und -analyse → “Voice”
- Anpassung and Endnutzer → “Adapt”
- Outcomes: Apps, Methoden, Wirkungsnachweis
- USPs: Starkes Stakeholder Involvement, RCT

Leonard, C., Rochon, E., & Laird, L. (2008). Treating naming impairments in aphasia: Findings from a phonological components analysis treatment. *Aphasiology*, 22(9), 923-947.

Jokel, R., Rochon, E., & Leonard, C. (2006). Treating anomia in semantic dementia: Improvement, maintenance, or both?. *Neuropsychological Rehabilitation*, 16(3), 241-256.

Cha, J., Voigt-Antons, J. N., Trahms, C., O'Sullivan, J. L., Gellert, P., Kuhlmei, A., ... & Nordheim, J. (2019). Finding critical features for predicting quality of life in tablet-based serious games for dementia. *Quality and User Experience*, 4(1), 6.



ENTSTEHUNG

- Ideenfindung (Q4 2016)
 - Gemeinsamer Workshop mit TU-Berlin
 - Adaptives App-basiertes Training mit Fokus auf Sprache und kognitive Beeinträchtigungen
- Ursprüngliches Ziel: H2020
 - Shaping & Iteration mit möglichen Partnern
 - Aber: Idee inkompatibel mit ICT-23 Call → Retargeting
- Neues Ziel: JPI MYBL
 - Onboarding weiterer Partner (SpeechCare, Universitäten) → DE, AT, CAN
 - Antrag (Apr 2017), Rebuttal (Jul 2017), Entscheidung (Oct 2017)



ENTSTEHUNG (2)

- Zusage JPI (Okt 2017)



- Plötzliches Problem: Financial Eligibility eines DE SME Partners (Dez 2017)



- Lösung: Suche SME Ersatz-Partner → Nurogames

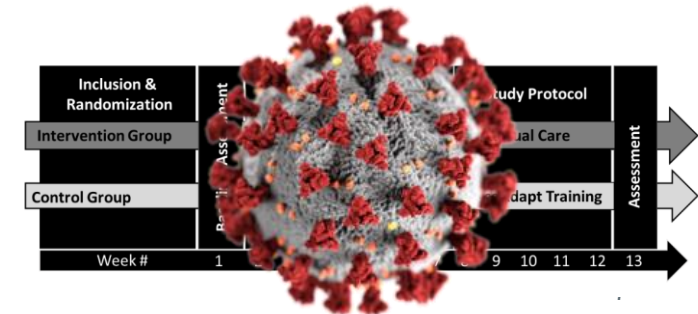
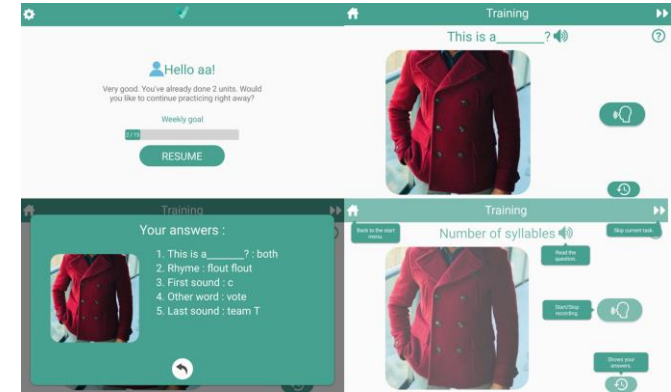


→ Projektstart: April 2017



DURCHFÜHRUNG

- Kommunikation & Ablage
 - NextCloud
 - GotoMeeting (monatlich)
 - Face-to-face Meetings
 - Aktueller Status
 - Abgeschlossen: User-Centered Design, App-Entwicklung (Android)
 - On Hold: Klinischer Trial (RCT) ← COVID-19
 - Kritisch: Probanden = Risikogruppe
- Remote Setup ab Juli 2020



DANKE FÜR IHRE AUFMERKSAMKEIT!



Dr. Raimund Schatz MBA

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raimund.schatz@ait.ac.at