October 20th 2018

Oticon Perspective on Connected Audiology

Trends Informing Modern Audiology Care:

Thomas Behrens Chief Audiologist Director, Centre for Applied Audiology Research





Consequences of an untreated hearing loss

Hearing loss is more than an audibility problem – research from across the globe





Oticon eHealth today

Two solutions already in use







The Future of eHealth

Hearing Fitness

How does it work?





80



Hearing Fitness Eco-system



What is Oticon RemoteCare?

Limited release in a number of countries to allow testing



Oticon's secure, convenient and easy eHealth solution for follow-up care



The Future of eHealth

Hearing Aids with Sensors: EarEEG device example





EVOTION Research

- 1000+ hearing aid users in future hearing aid fitting research lead by the Eriksholm
- All using a special version of Oticon Opn and a special version of the HearingFitness app + biosensors
- This allows Ecological Momentary Assessment of:
 - user operation patterns (programs and volume)
 - hearing aid use,
 - sound environment data and identifiers
 - Bio signals for stress
 - listening experience





This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 727521





Learning from the real data



EVOTION project

Recruiting a total of 1200 users at

- University College London (NHS Clinic, UK)
- Guys and St. Thomas (NHS Clinic, UK)
- University of Athens (Greece)
- Athens Medical Center (Greece)

The users and hearing care professionals extend standard practice with data-driven hearing care. Each user logs hearing care data with the app for one full year.

The platform collects data and makes analyses available that

- Tell users how they their hearing develops and help them utilize hearing device functionality

 e.g. try this program that helped last time
- Enable hearing care professional to monitor individual progress without the need for face-to-face appointments
- Enable policy makers to monitor the general hearing situation



Learning from new practise models

Example from South African Research Clinic



Hearing Research Clinic

A NON PROFIT COMPANY. KNOW YOUR HEARING STATUS.





www.hearingresearchclinic.org

A hybrid practise model





Talk to your hearing

coach for 15-minutes

via audio or video call

Take our online hearing screening test for free

online

phone call

STEP 3

Book a consultation to evaluate your hearing at your home or office

face-to-face



STEP 4

Find a hearing solution and rehabilitation plan customised to suit your needs face-to-face



STEP 5

Live your life the way you want with our continued support from your hearing coach online + face-to-face



Acknowledgement

- Thomas Lunner
- The Cognitive Hearing Science Team at the Eriksholm Research Centre

- Husmita Ratanjee-Vanmali
- Ariane Laplante-Lévesque
- De Wet Swanepoel

Michael Porsbo

- Niels Henrik Pontoppidan
- The Evotion team





