

Interactive multimedia videos promote success in first-time hearing aid users

NIHR Nottingham Hearing Biomedical Research Unit, UK

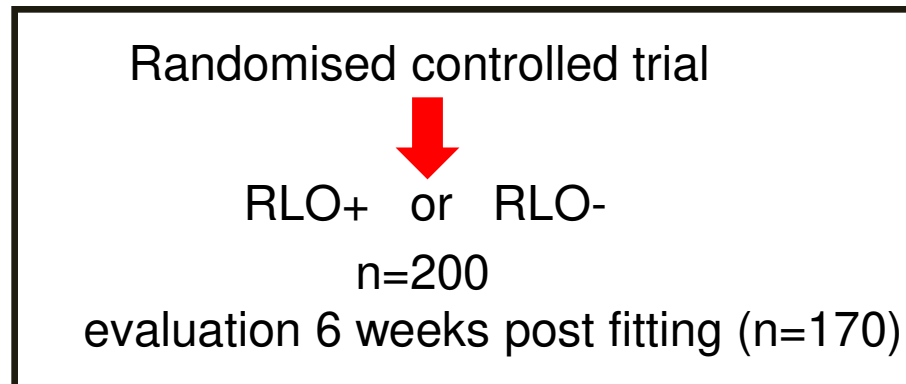
Melanie Ferguson



HEAR IT study

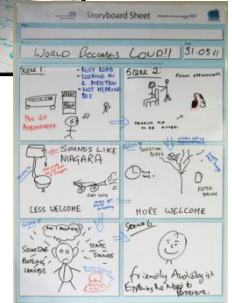
Q: Do video tutorials *supplement* advice and information provided by audiologists to enhance benefit and use for hearing aid users?

1. To *develop* a series of video tutorials (reusable learning objects, RLOs)
 - range of auditory rehabilitation subjects
 - accessible to hearing aid users and their families
2. To *evaluate* the benefits and cost-effectiveness of the RLOs



Development of the RLOs

- RLO content
 - Participatory approach: audiologists and hearing aid users



- 7 RLOs + Introduction
 - Practical and psychosocial
 - High quality production
 - 1 hour
 - Home use



- Based on educational principles

Each RLO has:

- Learning outcomes
- Variety of images
- Reinforcement and consequences
- Interactive quiz

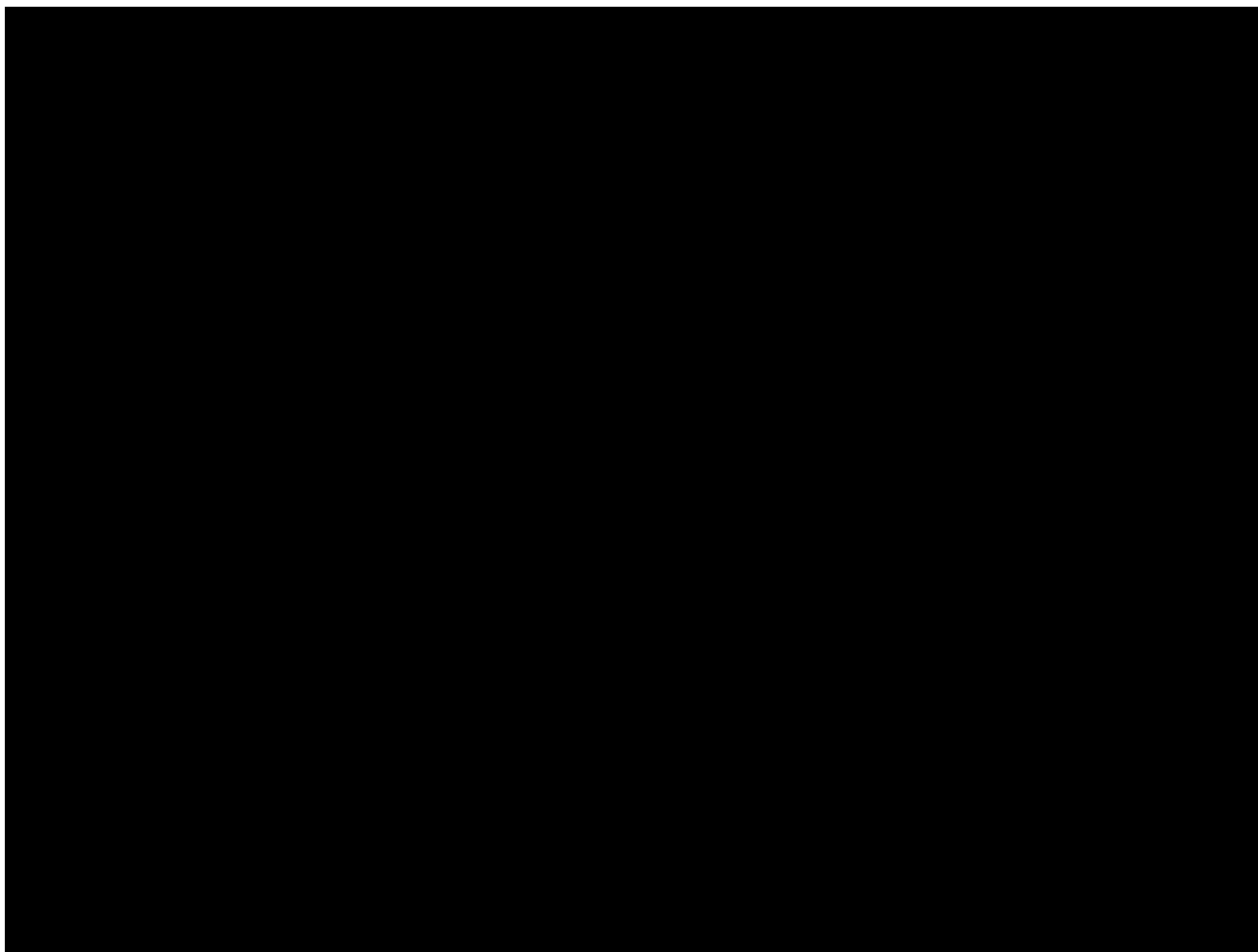


Acclimatisation

Learning outcome: be aware of how you adapt to listening with your hearing aids



*National Institute for
Health Research*



Successful intervention?

Compliance



Self-manage



Knowledge



HA outcomes



Quality of life



Valued by users



Health
economics



When will the videos become available?

NHS
National Institute for
Health Research



Nottingham University Hospitals
NHS Trust



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Further research

- Develop RLOs specifically for communication partners***
- Prime HA user by providing information prior to HA fitting***
 - Enhance user readiness and shared decision-making
 - Hi-tech, hi-interactivity RLOs for internet, tablets and smartphones
 - Low-tech option i.e. interactive booklet
 - Tailoring intervention for individuals
- Training healthcare professionals
 - Basic hearing aid use, communication tactics
 - Nursing homes – training for care assistants***
 - Hospitals – training for nurses
 - General practitioners (family doctors)

