Thinking inside the box

Current practice in test box use for radio aid fitting and evaluation

Positive Futures for Deaf Children: Optimising Outcomes
Manchester 11th March 2017

Jeremy Hine – Ewing Foundation for deaf children
Richard Vaughan – Connevans Limited
Why use a test box?

• A testbox is an essential tool that can quickly identify faults on hearing instruments and radio aids
• You can discover problems that cannot be identified by a listening check
• It enables accurate setting up of radio aid systems
• It can be used by deaf and hearing staff
• Used regularly, in conjunction with other good practice, it can help prevent problems from occurring
• You can leave confident that their equipment is working. Peace of mind for you, essential for them!
Test boxes currently used by UK education professionals

Frye FP35

Otometrics
Aurical HIT
“QS8: Electroacoustic checks must be performed regularly and whenever a part of the system is changed.

• Complete regular (test box) checks in order to compare the frequency response curves with baseline settings provided at the time of set-up.

• A good practice minimum is every half term – this may need to be more often for young children and will depend on the user.”
Issues a test box can help identify - first example

Phonak Sky V SP hearing aid tested with FP35

This shows the difference between the “Roger plus M” setting in omnidirectional (curve 1) and “Roger plus M” when in directional (curve 2). Remember the default for Roger plus M with these new aids in junior mode is directional.
Issues a test box can help identify - second example

Phonak Sky V SP hearing aid tested with FP35

This shows the effect of the EasyPhone setting when the aid is placed on the speaker in the FP35. Curve 1 is with the AcousticPhone deactivated and curve two is with AcousticPhone (with EasyPhone) activated.
Video demonstration 1

Phonak Roger Pen using Aurical HIT
Video demonstration 2

Phonak Roger Pen using Aurical HIT
Video demonstration 3

Connevans fmGenie using Aurical HIT
Video demonstration 4

Phonak Roger Touchscreen Mic using FP35
Any questions or observations?

Hands-on demonstrations as time allows…