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- Call 800-753-2160 (M-F, 8 AM-8 PM ET)
- Email <u>customerservice@AudiologyOnline.com</u>



T Coils and Hearing Loops: Important to Client Satisfaction

Juliëtte Sterkens, AuD & Karen MacLennan, AuD/TSHH

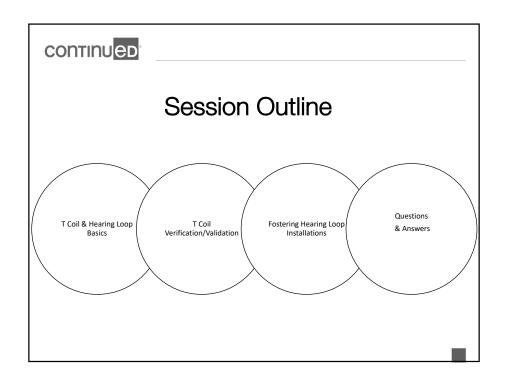
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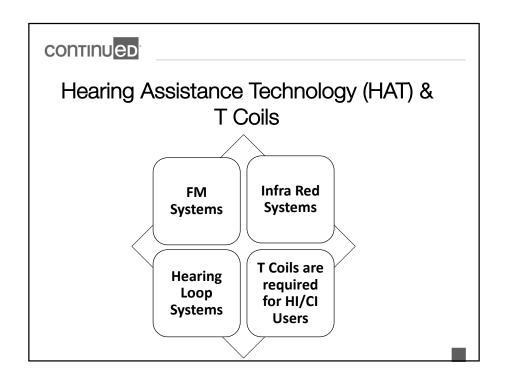
Learning Outcomes

After this course, participants will be able to:

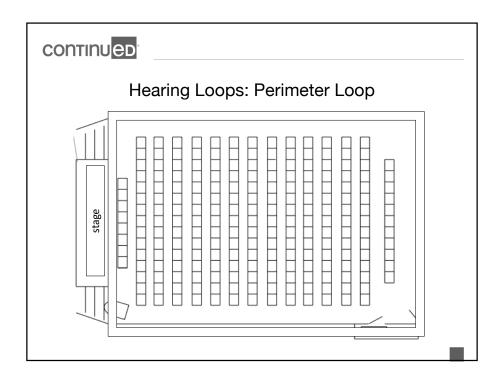
- Describe telecoil orientation in custom and behind the ear hearing instruments.
- List three telecoil programs, and when and where to use them.
- Explain one in-office and one out-of-office telecoil validation measure.

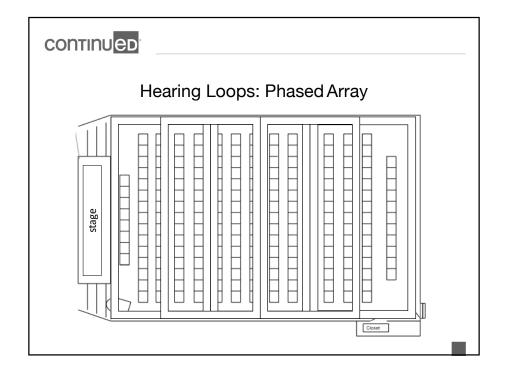
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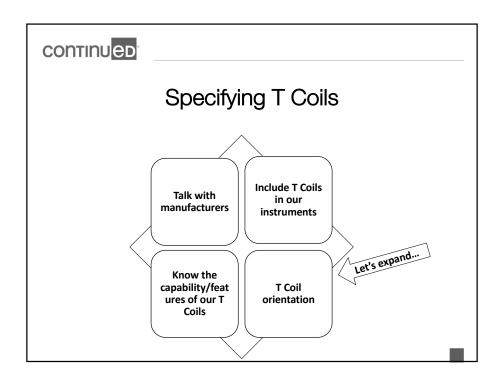


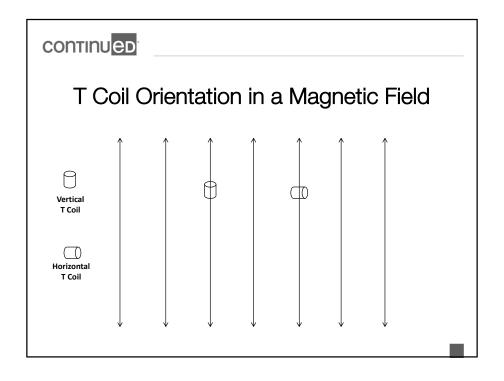




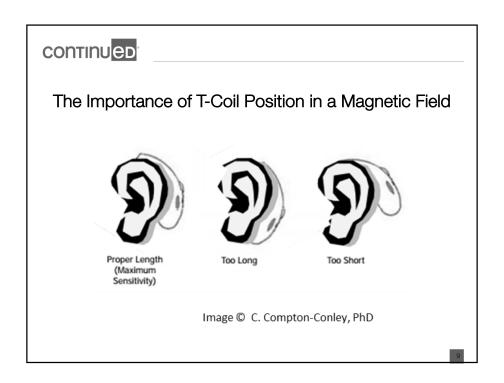


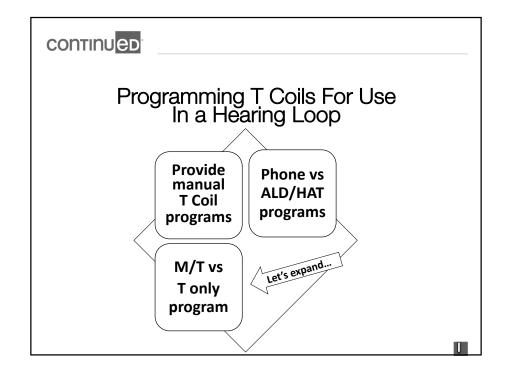










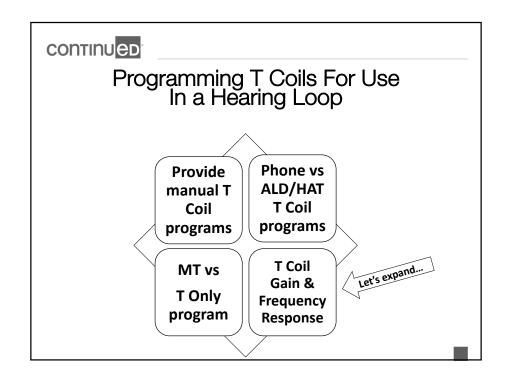




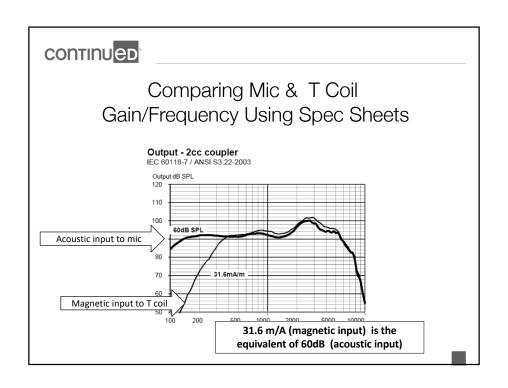
T-Coil Programming Tips

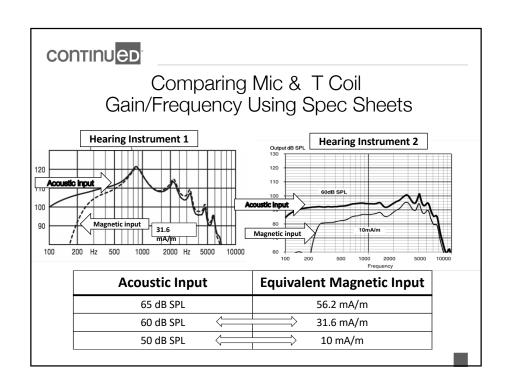
- 1. Open/RIC/RITE: consider manual T-coil only for loop program
- 2. Closed/Occluded Fittings: Consider manual M+T but take listening situation into account:
- 3. Considerations for HI/CI Users with FM & IR Receivers (Neckloops)
 - Amplified neckloops
 - Widening the neck loop
 - When a neckloop signal is just too low.....
 - explain clients have a right to a "reasonable accommodations" under the ADA



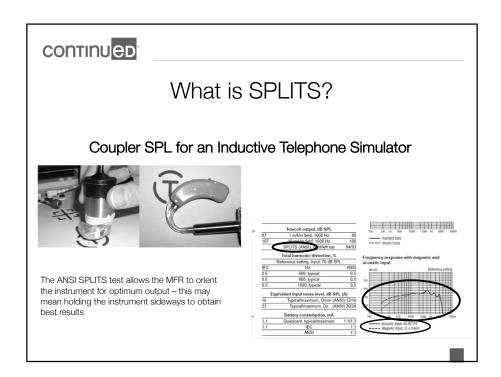












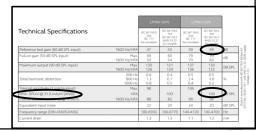


What is SPLIV?

SPLIV – Coupler SPL in Vertical Magnetic Field



The ANSI SPLIV test requires the instrument is oriented vertically (or as worn on the ear)

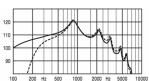


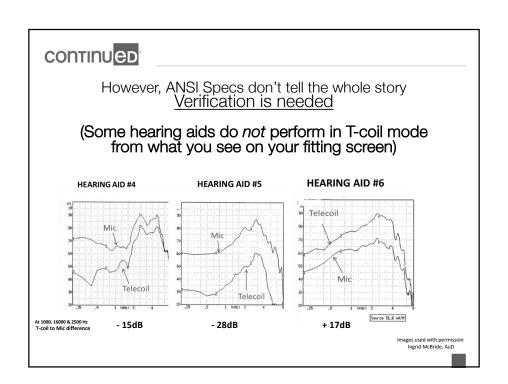


Determine if the HAs are capable of matching the Telecoil gain to the Mic gain

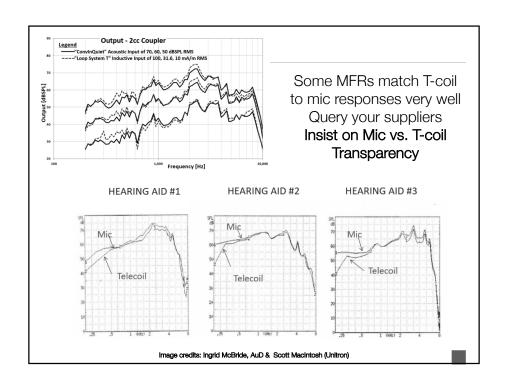
Look the ANSI Specs & compare to Reference Test Gain (RTG)

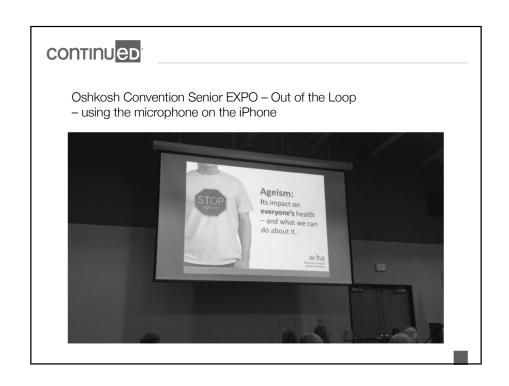
- 1. Do the SPLITS & RTG gain match?
- 2. More important: Do the SPLIV and the RTG match? (Ask MFR to provide in a format that makes comparing easy)
- 3. Note: If the T-coil is mounted vertically, or nearly so (as is the case w/most BTEs): SPLITS = SPLIV = RTG









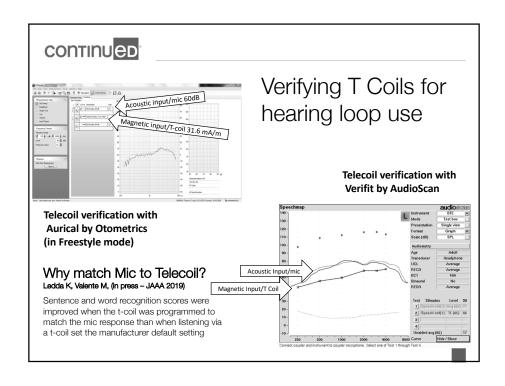










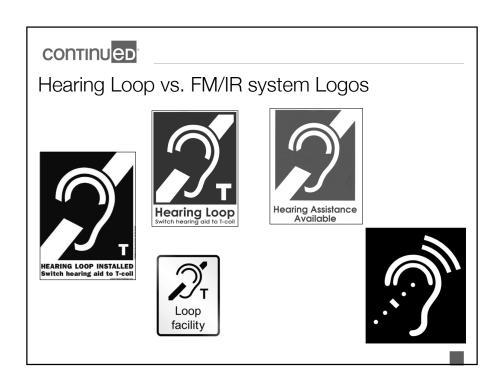


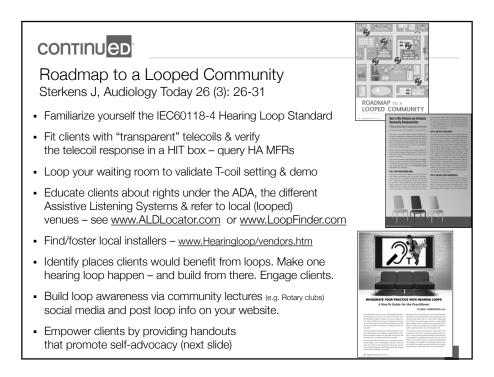
Telecoil Validation – is the T-coil setting right for your client?

- Call client at home and verify he/she is able to use telecoil function & hear adequately loud and clear enough
- Check telecoil setting in your calibrated waiting room loop
- Loop your receptionist's front-desk
- Install a floormat in reception area
- Refer clients to a local looped venue (or an ALS with neckloops)
- Refer clients to a local HLAA chapter Nearly all chapters utilize a hearing loop and offer CART where hearing aid users can try out their telecoil setting

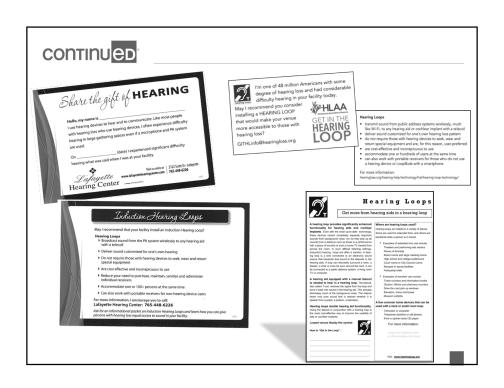


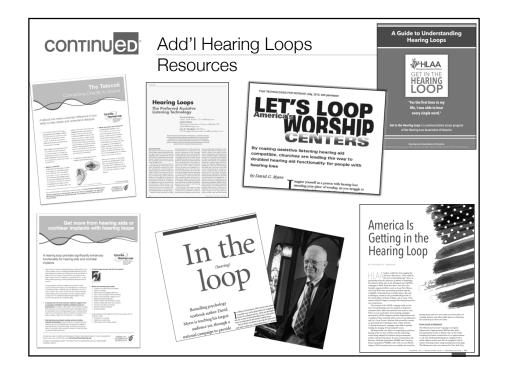




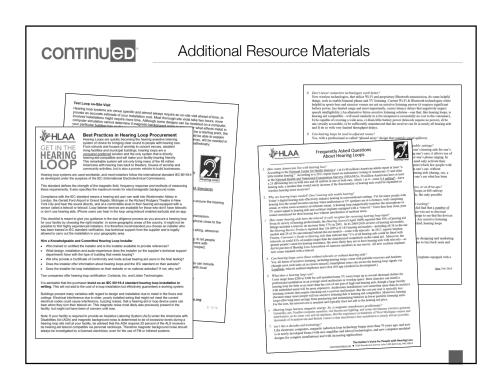














Thank You for Your attention Questions?

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- Kaufmann T, Sterkens J and Woodgate J (2014) Hearing Loops: The Preferred Assistive Listening Technology. J Audio Eng. Soc. 63 (4): 298-302
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 J Am Academy Audiology in press
- Remensnyder L, (2011) Invigorate Your Practice with Hearing Loops. Audiology Practices 3 (4): 32-35, 61
- Sterkens J (2011) Get your Practice and Patients in the Loop: Telecoil and Hearing Loop Essentials for Practitioners Audiology Practices 3 (4): 36-39
- Sterkens J (2014) Roadmap to a Looped Community. Audiology Today 26 (3): 26-31.
- Valente M (2013) The Telecoil: The Lonely Transducer that Can Be a Big Producer. Retrieved at <u>www.audiologyonline.com/articles/telecoil-lonely-transducer-that-big-11911</u>

Useful websites:

www.HearingLoop.org www.LoopWisconsin.com

www.hearingloss.org/programs-events/get-hearing-loop/

For further information:

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Karen MacLennan, AuD drmaclennan@gmail.com



