Treatment Planning for Adults with Hearing Loss







Agenda

- Personal experiences with Roger Technology
- What is Treatment Planning?
- Why Treatment Plan
- How to Treatment Plan
- Pre-requisite knowledge
- Pre-requisite patient information
- When to introduce the Treatment Plan
- Case Examples



Wear do I use my Roger System?

- In Restaurants, bars, cafes
- Talking to family/friends in car
- Meetings
- Lectures
- Sports
- Tour guides

- iPod/iPad
- TV
- Computer
- Place of Worship
- Mobile Phone (Bluetooth)
- Bass Guitar/Band





Conference style

- I keep the Roger Pen in Automatic Mode when in conference style meetings
- The variable knee point has been extremely effective.
- Distant soft speech is much easier to hear and understand.
- The use of the Roger Pen in quiet has been the most surprising benefit as I only used my SmartLink in noise





Interview style

- I keep the Roger Pen in Automatic Mode when using the Pen interview style
- Examples of situations:
 - Noisy Bars
 - Parties
 - Point at Waiter or Waitress in Restaurant
 - Trade Show Booth
 - Family Gatherings





Lecture Situations

- Once again, Automatic Mode has been working perfectly fine in lectures
- I use ADRO + Autosensitivity and a 1:1 mix ratio on my cochlear implant
- The 1:1 mix ratio in the CI and the Voice Activity Detector in the Roger Pen still allows me to hear friends and colleagues in close proximity to me whilst still hearing the lecturer





Communicating in the Car with Two People

- One person wears the Roger Pen around the neck
- Other will wear the Roger Clip Mic, or EasyPen again with the provided lanyard
- The automatic mode is effective when using multiple microphones





Communicating in the Restaurant with One Person

- With one person I use the Roger Pen either flat on the table or worn around the neck depending on the noise level of the room
- Most restaurants I place it one the table and keep it in automatic mode
- When the waitress comes I pick up the Pen and point it in order to hear what she has to say.
- Pointing of course automatically switches the Pen to interview mode and turns on the directional microphones.





Communicating in a Restaurant with Multiple Talkers



- The MultiTalker Network (MTN) has been absolutely remarkable if I am at a dinner party with multiple talkers
- For the first time in my life I can now communicate with ease with all talkers
- Prior to MTN, I was force to choose between which person I needed to listen to by pointing the SmartLink at the person I wanted to hear.
- Enormous benefit.





Communicating in Very Noisy Environments

- » Examples include bars with live music
- » Noise levels typically range between 80 100 dBA
- Multitalker Network is essential. Typically with 3 other people, so I use 3 Roger microphones
- 2. Due to very high noise levels, I switch the mix ratio to 100% "FM".
- 3. Monitoring my own voice now becomes a problem...
- 4. Add a fourth Roger microphone in order to monitor my own vocal levels.





Treatment Planning Defined

- Dentistry: "a schedule of procedures and appointments designed to restore, step by step, a patient's oral health. The plan contains the advantages, disadvantages, costs, alternatives, and sequelae of treatment.". Mosby's Medical Dictionary, 9th edition. © 2009, Elsevier
- Medicine: A documented plan that describes the patient's condition and procedure(s) that will be needed, detailing the treatment to be provided and expected outcome, and expected duration of the treatment prescribed by the physician. Segen's Medical Dictionary.
 © 2012 Farlex, Inc.



ASHA: Guidelines for Hearing Aid Fitting for Adults

"Treatment Planning After completing the assessment process, the audiologist, client, and family/caregivers need to review the findings and identify areas of difficulty and need. Based on this analysis, priorities are established and specific goals for intervention are jointly agreed upon. Further, the sequencing of rehabilitative strategies is established, including when and how benefit derived from treatment is to be evaluated.

In many cases, the fitting of hearing aids will be incorporated as an early component of the plan. Under certain circumstances, it may be appropriate to determine the benefit derived from hearing aids and structured hearing aid orientation before additional intervention strategies are planned and implemented. In other cases, hearing aid fitting will be performed concurrently with additional components of the plan.

When fitting hearing aids is a component of the plan, a number of preliminary decisions are required. Decisions on specific aspects of electroacoustic performance naturally fall to the audiologist. However, all other planning decisions should be made jointly, and active participation of the client and family/caregiver in decision making is strongly encouraged.



Treatment Plans are...

- Roadmap for the patient journey
- Built around the expressed needs of the patient
- Have clear and effective solutions for the needs expressed by the patient
- Outlines what is going to be done, when it is going to be done and by whom
- Is based on a thorough and complete assessment of patient's auditory capabilities.
- Involve the patient as an active participant in the planning process
- Are specific, not vague











Why Do Treatment Plans?

- Systematic means of selecting the most appropriate audiological interventions.
- Provides a strategy on how to tackle communication needs of the patient
- Ensures all the needs of the patient are identified
- Improves the effectiveness of the audiologists treatments
- Avoids waiting for the patient to fail.
- Saves time in the long run





Our treatments are technologies for the most part

Near Field Options

- Hearing aids at several different performance levels (30,50,70.90)
- Directional microphones (Ultrazoom)
- Binaural Directional Beam-forming (Speech in Loud Noise)

Far Field Options

- Roger Pen, EasyPen Clip Mic (Quiet and Noise)
 - Different receiver options (Design integrated, Universal)
 - Different coupling options (DAI, Telecoil, via Streamer)
- Bluetooth Microphones (Quiet only)

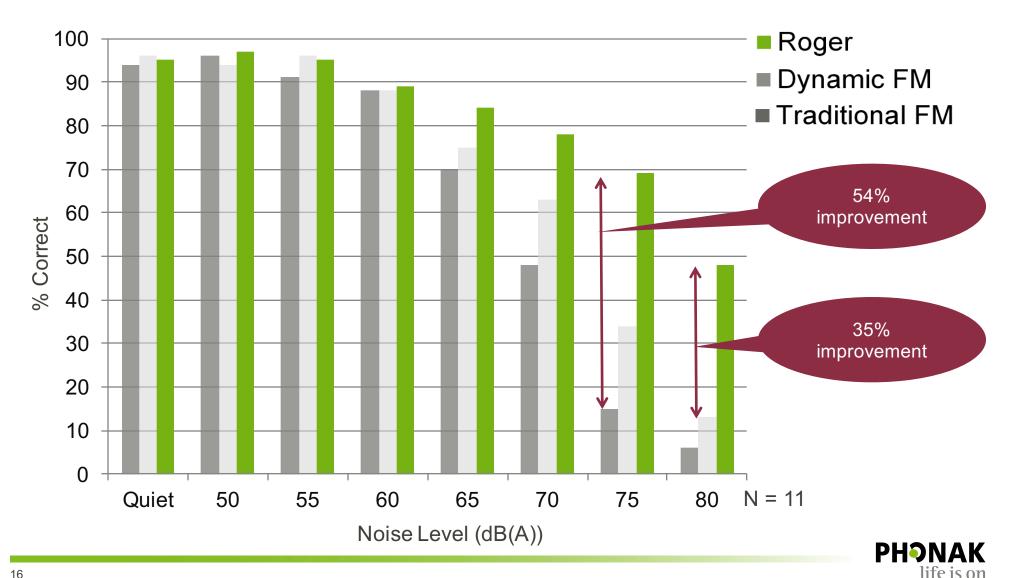
Accessories

- Streamers (ComPilot II, ComPilotAir)
- EasyCall
- DECT Phones
- TV Link
- Counselling on effective use of technologies
- Focus on Benefits...not Technologies



Results-speech understanding at 5.5 m in various noise levels







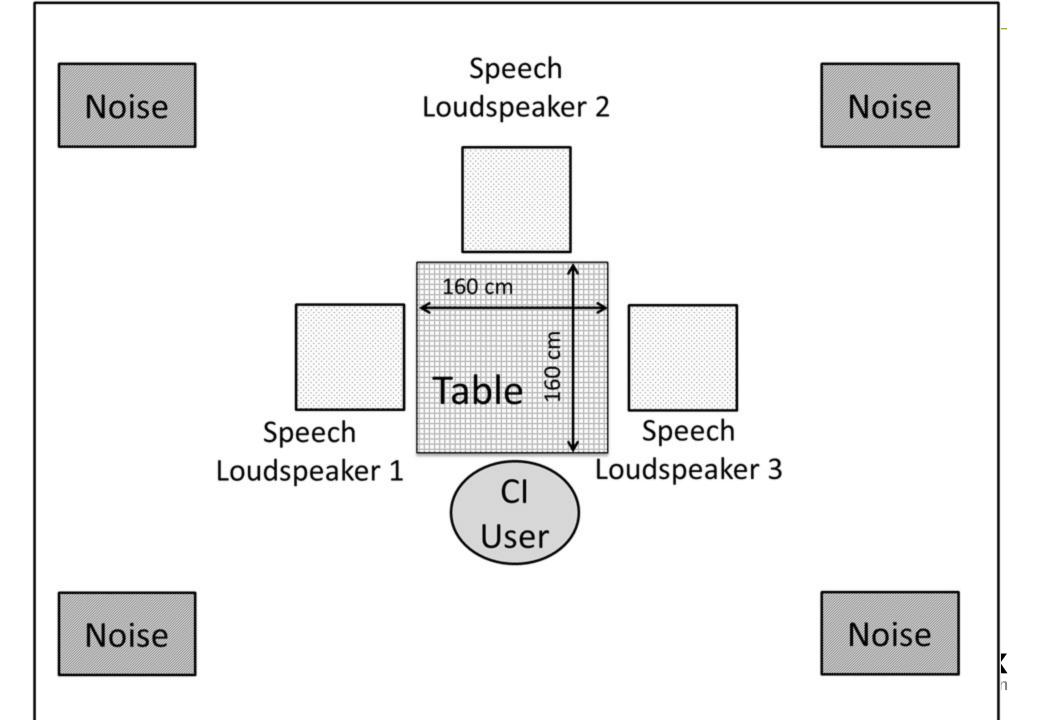
OTOLOGY

Speech understanding in noise with the Roger Pen, Naida CI Q70 processor, and integrated Roger 17 receiver in a multi-talker network

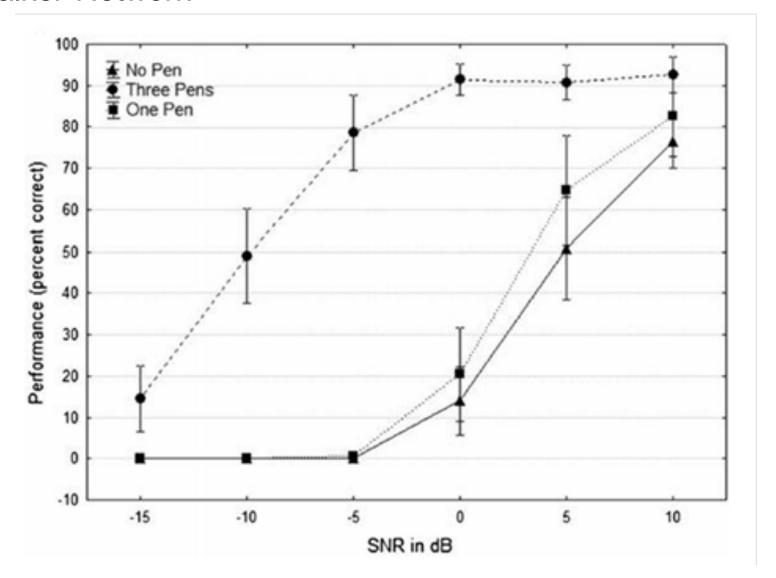
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MultiTalker Network





Evaluation of Performance
With an Adaptive Digital
Remote Microphone System
and a Digital Remote
Microphone Audio-Streaming
Accessory System

Jace Wolfe, Mila Morais Duke, Erin Schafer, Christine Jones, Hans E. Mülder, Andrew John, and Mary Hudson

+ Author Affiliations & Notes



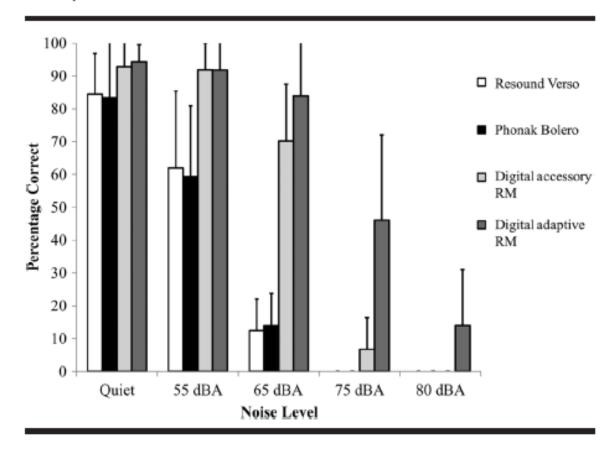
American Journal of Audiology, September 2015, Vol. 24, 440-450. doi:10.1044/2015_AJA-15-0018

History: Received February 23, 2015; Revised March 31, 2015; Accepted June 20, 2015



Bluetooth RM vs Adaptive Digital RM

Figure 3. Average performance across the four device conditions and five signal levels. Vertical bars represent 1 SD. RM = remote microphone.



Wolfe, Morais Duke, Schafer, Jones, Mülder, John, & Hudson, Speech Recognition with Remote Microphone Systems, AJA, 2015



Hierarchy of Performance in Noise

Roger

Bluetooth Microphones

Binaural Directional Hearing Aid Mics

Conventional Directional

Omni



Hierarchy of Performance with Roger

Roger Ear Level

Roger X + ComPilot II, MyLink



4 Listening Environment Quadrants

Near Field Quiet

- One-on-one
- Kitchen Table
 - Living room
- Small office
- Audiology
 - Medical

Near Field Noise

- Car
- Restaurant
 - Bar
- Family Dinner
- Holiday Party

Far Field Quiet

- Board room meeting
- Well treated small lecture room
 - Family member at a distance

Far Field Noise

- Typical classroom
- Conference lecture
- Place of Worship
- Weddings/funerals



What information do I need to develop my Treatment Plan?

- What information we need to make a treatment plan?
 - Audiometric measurements
 - Site of lesion tests
 - Screening for retro-cochlear pathologies
 - Word identification in quiet
 - Speech perception in noise assessment*
 - Patients with good speech perception in quiet but score in Red on LiSN-S PGA make good candidates for Roger and other accessories
 - -Patient lifestyle/needs assessment*



Kathy Pichora-Fuller, PhD

"the presence of background noise or reverberation (room echo) disrupts word identification more for older than younger listeners, even when their audiometric thresholds are considered to be clinically normal (e.g., Dubno et al., 1984; Gordon-Salant and Fitzgibbons, 1993, 1995; Pichora-Fuller et al., 1995; Stuart and

Phillips, 1996; Frisina and Frisina, 1997)."

Trends In Amplification. VOLUME 10, NUMBER 1, 2006. Recent advances in research and clinical practice concerning aging and auditory communication



LiSN-S PGA recommendations





With amplification the patient's loss of speech understanding in noise is very mild, and the patient should be able to understand speech almost as well as people with normal hearing.

Even with amplification, the patient will require speech to have a SNR significantly better than people with normal hearing in order to understand the speech. In many situations (where there is a close target talker or a close dominant noise source) advanced directional microphone technology will enable the patient to understand speech in noise almost as well as people with normal hearing.

Even with hearing aids incorporating advanced directional microphone technology the patient will require speech to have a SNR significantly better than people with normal hearing in order to understand the speech. In adverse listening conditions the patient is likely to be able to understand speech only with the aid of FM technology coupled to the patient's hearing aids.

life is on

Treatment Planning Guide			
Patient N	ame:	Clinician:	Date:
Pure To	ne Audiometry		
Right: [Mild Moderate Mo	oderate-Severe 🗌 Severe 🔲 Profound 🔲 Word Ide	ntification:
Left:	Mild Moderate Mo	oderate-Severe Severe Profound Word Ide	ntification:
		LISN-S P	GA Result
Goal?	Listening Environment	■ □ RED	☐ YELLOW
	Near Field Quiet One-on-one	☐ Omni ☐ SoundRecover ☐ Real Ear Sound	Omni SoundRecover Real Ear Sound
	Small group in quiet	Omni SoundRecover Real Ear Sound	Omni SoundRecover Real Ear Sound
	Music	Omni Music Program	Omni Music Program
	Other:	_ crim _ max riogram	
	Near Field Noise Restaurants	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	Speech In Loud Noise UlitraZoom
	Café/Coffee Shop	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	Speech in Loud Noise UltraZoom
			Speech in Car AutoZoom Control ZoomControl
	Automobile	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	Bluetooth Mic
	Noisy Room	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	Speech in Loud Noise UltraZoom
	☐ Party	Roger Pen Roger EasyPen Roger Clip-On Mic	Speech In Loud Noise UltraZoom
	Bar/Nightclub	Roger Pen Roger EasyPen Roger Clip-On Mic	Speech In Loud Noise UltraZoom
	Other:	Roger Pen Roger EasyPen Roger Clip-On Mic	
	Far Field Quiet		
	☐ Meeting Room	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic ☐ Bluetooth Mic	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic ☐ Bluetooth Mic
	Other:	Roger Pen Roger EasyPen Roger Clip-On Mic Bluetooth Mic	Roger Pen Roger EasyPen Roger Clip-On Mic Bluetooth Mic
	Far Field Noise		
	Classroom	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic
	Place of Worship	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic
	Other:	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic
	Multiple Talkers		
	Restaurant	Roger MultiTalker Network	☐ Roger ☐ Auto Zoom Control ☐ Zoom Control
	Automobile	Roger MultiTalker Network	☐ Roger ☐ Auto Zoom Control ☐ Zoom Control
	■ Meetings	Roger MultiTalker Network	☐ Roger ☐ Auto Zoom Control ☐ Zoom Control
	Other:		
	Multimedia		
	Television	Roger TV Link Bluetooth Mic	☐ Roger ☐ TV Link ☐ Bluetooth Mic
	Computer	Roger TV Link ComPliot	Roger TV Link ComPlict
	☐ IPad/Tablet	Roger TV Link ComPliot	☐ Roger ☐ TV Link ☐ ComPliot
	☐ IPod/MP3	Roger TV Link ComPliot	☐ Roger ☐ TV Link ☐ ComPliot
	Other:		
	Telephone		
	☐ Home	☐ DECT I/II ☐ Telecoll ☐ Acoustic Phone ☐ Duophone	□ DECT I/II □ Telecoll □ Acoustic Phone □ Duophone
	Office	☐ DECT I/II ☐ Telecoll ☐ Acoustic Phone ☐ Duophone	□ DECT I/II □ Telecoll □ Acoustic Phone □ Duophone
	Mobile	☐ Roger Pen ☐ EasyCall ☐ ComPliot ☐ ComPliot Air	Roger Pen EasyCall ComPliot ComPliot Air
Comments			



Treatment Planning Guide					
Patient Na	ame:	Clinician:	Date:		
Pure To	ne Audiometry				
Right: [Mild Moderate Moderate	oderate-Severe 🔲 Severe 🔲 Profound 🔲 Word Ide	entification:		
Left:	Mild Moderate Moderate	oderate-Severe 🗌 Severe 🔲 Profound 🔲 Word Ide	entification:		
		LISN-S P	GA Result		
Goal?	Listening Environment	■ □ RED	YELLOW		
	Near Field Quiet				
	One-on-one	Omni SoundRecover Real Ear Sound	Omni SoundRecover Real Ear Sound		
	Small group in quiet	Omni SoundRecover Real Ear Sound	Omni SoundRecover Real Ear Sound		
	Music	Ornni Music Program	Omni Music Program		
	Other:				
	Near Field Noise				
	Restaurants	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	Speech in Loud Noise UltraZoom		
	Café/Coffee Shop	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	Speech in Loud Noise UltraZoom		
	Automobile	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	Speech in Car AutoZoom Control ZoomControl Bluetooth Mic		
	Noisy Room	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	Speech in Loud Noise UltraZoom		
	☐ Party	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	Speech In Loud Noise UltraZoom		
	☐ Bar/Nightclub	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	Speech In Loud Noise UltraZoom		
	Other:	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic			

		LISN-S PGA Result		
Goal?	Listening Environment	■ □ RED	YELLOW	
	Far Field Quiet			
	☐ Meeting Room	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic ☐ Bluetooth Mic	Roger Pen Roger EasyPen Roger Clip-On Mic Bluetooth Mic	
	Other:	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic ☐ Bluetooth Mic	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic ☐ Bluetooth Mic	
	Far Field Noise			
	☐ Classroom	Rager Pen Roger EasyPen Roger Clip-On Mic	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	
	Place of Worship	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	Roger Pen Roger EasyPen Roger Clip-On Mic	
	Other:	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	
	Multiple Talkers			
	Restaurant	Roger MultiTalker Network	☐ Roger ☐ Auto Zoom Control ☐ Zoom Control	
	Automobile	Roger MultiTalker Network	Roger Auto Zoom Control Zoom Control	
	☐ Meetings	Roger MultiTalker Network	☐ Roger ☐ Auto Zoom Control ☐ Zoom Control	
	Other:			



		LISN-S PGA Result		
Goal?	Listening Environment	■ □ RED	YELLOW	
	Multimedia			
	☐ Television	Roger TV Link Bluetooth Mic	Roger TV Link Bluetooth Mic	
	□ Computer	Roger TV Link ComPlict	Roger TV Link ComPlict	
	☐ IPad/Tablet	☐ Roger ☐ TV Link ☐ ComPlict	☐ Roger ☐ TV Link ☐ ComPlict	
	☐ IPod/MP3	Roger TV Link ComPlict	Roger TV Link ComPlict	
	Other:			
	Telephone			
	☐ Horne	☐ DECT I/II ☐ Telecoll ☐ Acoustic Phone ☐ Duophone	☐ DECT I/II ☐ Telecoll ☐ Acoustic Phone ☐ Duophone	
	Office	☐ DECT I/II ☐ Telecoll ☐ Acoustic Phone ☐ Duophone	☐ DECT I/II ☐ Telecoll ☐ Acoustic Phone ☐ Duophone	
	☐ Mobile	☐ Roger Pen ☐ EasyCall ☐ ComPllot ☐ ComPllot Air	☐ Roger Pen ☐ EasyCall ☐ ComPliot ☐ ComPliot Air	
Comments				

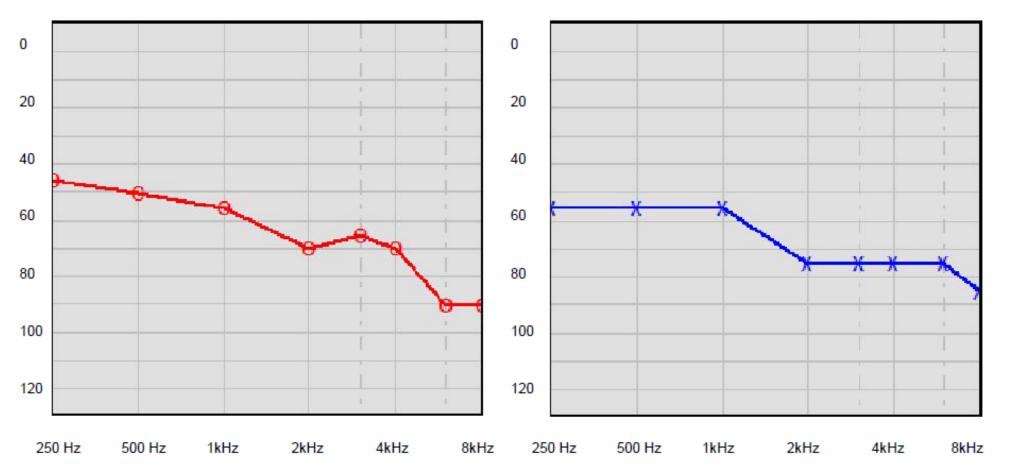


Steps

- Audiometry
- 2. Word Identification in quiet
- 3. LiSN-S PGA (on every client with hearing loss)
- 4. Determine Listening Environments that client would like to improve communication
- 5. If Red, introduce Roger concept immediately
- 6. Fit Hearing Aids
- 7. 30 day recheck, fine tuning appointments
- 8. Fit Roger
- Check outcomes with COSI



Right ear Left ear





LISN-S PGA results

Measure	Average score for age	Client's score (dB)	Loss in SNR (dB)
High-Cue SRT	-12.8	-2.9	9.9

score for speech understanding in noise is indicated on chart below with an 'X'

R requires a signal-to-noise ratio 9.9 dB greater than the average 60-year old with normal hearing in order to understand speech when there are competing sounds.

If R score is in the green zone:

With amplification R loss of speech understanding in noise is very mild, and R should be able to understand speech almost as well as people with normal hearing.

If R s score is in the yellow zone: Even with amplification, R will require speech to have a SNR significantly better than people with normal hearing in order to understand the speech. In many situations (where there is a close target talker or a close dominant noise source) advanced adaptive directional microphone technology will enable R normal hearing.

If R score is in the red zone: Even with hearing aids incorporating advanced adaptive directional microphone technology R will require speech to have a SNR significantly better than people with normal hearing in order to understand the speech. In adverse listening conditions R is likely to be able to understand speech only with the aid of Roger technology coupled to R hearing aids.



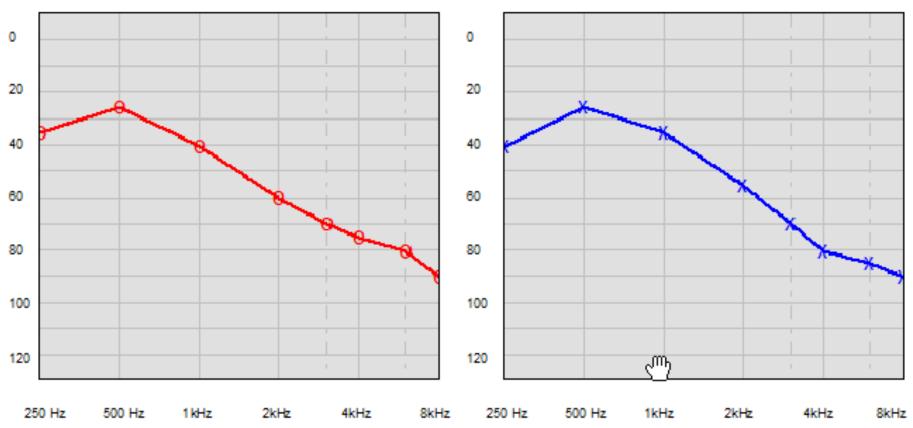
Х

Treatment Plan

- Audeo 70 V13
- Roger EasyPen
- Request for funding to WSIB (Worker Safety Insurance Board) initially rejected. Resubmitted claim with LiSN-S PGA results, and claim was approved.
- Near Field Noise:
 - Restaurants, Café's, Automobile: Roger EasyPen
- Multiple Talkers:
 - Restaurants: Roger MultiTalker Network
- Multimedia
 - Television: Roger or TV Link
- Telephone:
 - Home: Dect II



Right ear Left ear





LiSN-S PGA results

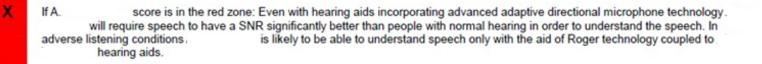
Measure	Average score for age	Client's score (dB)	Loss in SNR (dB)
High-Cue SRT	-12.8	-6.2	6.7

A score for speech understanding in noise is indicated on chart below with an 'X'

A.. requires a signal-to-noise ratio 6.7 dB greater than the average 60-year old with normal hearing in order to understand speech when there are competing sounds.



If Al score is in the yellow zone: Even with amplification, A will require speech to have a SNR significantly better than people with normal hearing in order to understand the speech. In many situations (where there is a close target talker or a close dominant noise source) advanced adaptive directional microphone technology will enable to understand speech in noise almost as well as people with normal hearing.



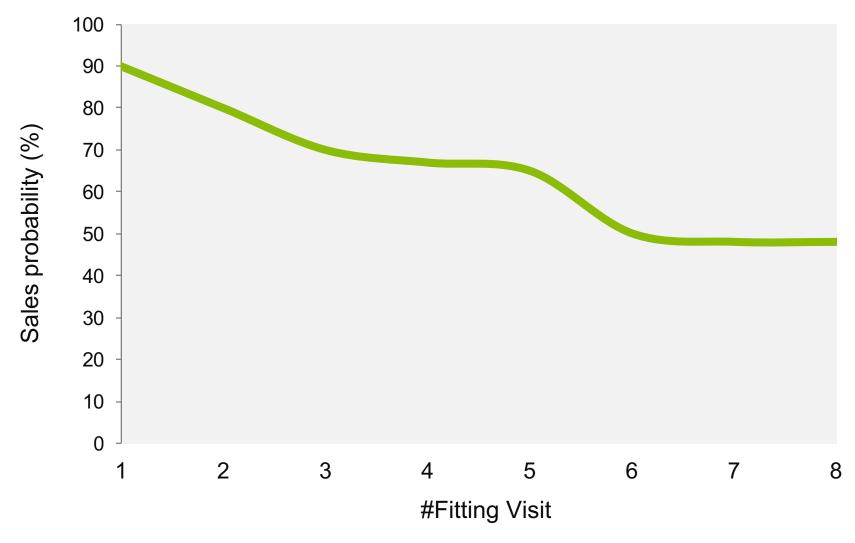


Treatment Plan

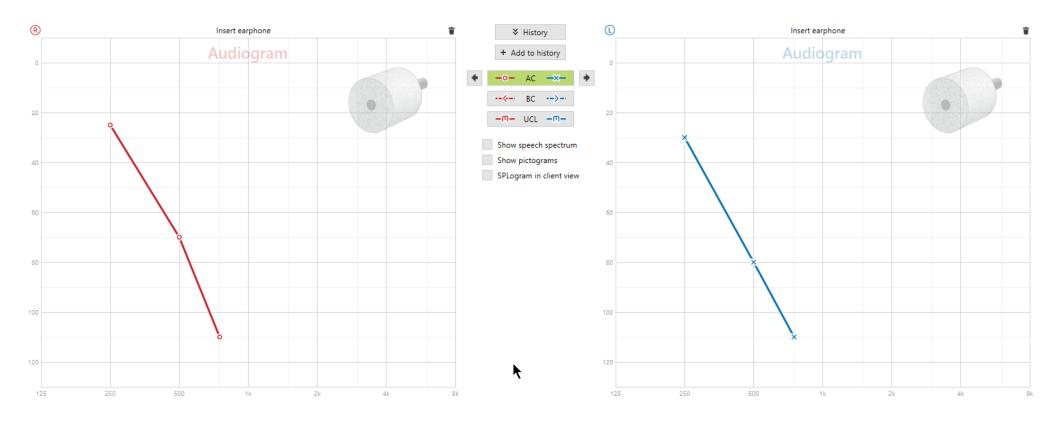
- Did not consent to Roger at this time
- However, did consent to Audeo 70 V13 over Audeo 70 V 312
- This ensures maximum options should he consent to Roger at a later date
- Near Field Quiet:
 - One-on-one & Small Group: Omni with Sound Recover
 - Music: Music Program
- Near Field Noise:
 - Restaurants, Café, Noisy Room etc: Speech in Loud Noise
 - Automobile: AutoZoom Control
- Multimedia:
 - Television: TV Link
 - Computer: ComPilot II
- Telephone
 - Home: Dect II
 - Mobile: ComPilot II



When to introduce Treatment Plan: Early!









ient N	ame:	Clinician:	Date:
re To	ne Audiometry	THE REPORT OF THE PARTY OF	40000000000000000000000000000000000000
-		Moderate-Severe Severe Profound Wo	rd Indentification:
t: [□ Moderate-Severe □ Severe □ Profound □ Wo	
. L	_ IVIII IVIOGETATE		
		LISN-S	PGA Result
		 RED	☐ YELLOW
	Environment		
	Near Field Quiet		
	One-on-one	☐ Omni ☐ SoundRecover ☐ Real Ear Sound	Omni SoundRecover Real Ear Sound
		☐ Omni ☑ SoundRecover ☐ Real Ear Sound	Omni SoundRecover Real Ear Sound
	Music	Omni Music Program	Omni Music Program
	Other:		
1	Near Field Noise Restaurants	☐ Roger Pen ☐ Roger EasyPen ☐ Roger Clip-On Mic	Speech in Loud Noise UltraZoom
V	Café/Coffee Shop	Roger Pen Roger EasyPen Roger Clip-On Mic	Speech in Loud Noise UltraZoom
-/			Speech in Car AutoZoom Control ZoomCont
V	☐ Automobile	Roger Pen Roger EasyPen Roger Clip-On Mic	☐ Bluetooth Mic
~	Noisy Room	Roger Pen Roger EasyPen Roger Clip-On Mic	☐ Speech in Loud Noise ☐ UltraZoom
V	☐ Party	Roger Pen Roger EasyPen Roger Clip-On Mic	☐ Speech in Loud Noise ☐ UltraZoom
	Bar/Nightclub	Roger Pen Roger EasyPen Roger Clip-On Mic	☐ Speech in Loud Noise ☐ UltraZoom
	Other: Courter	Roger Pen Roger EasyPen Roger Clip-On Mic	- bock in interview
	Far Field Quiet		
	Lecture Hall	Roger Pen Roger EasyPen Roger Clip-On Mic Bluetooth Mic	Roger Pen Roger EasyPen Roger Clip-On Mi
/	☐ Meeting Room	Roger Pen Roger EasyPen Roger Clip-On Mic Bluetooth Mic	Roger Pen Roger EasyPen Roger Clip-On Mi
	Other:	Roger Pen Roger EasyPen Roger Clip-On Mic Bluetooth Mic	Roger Pen Roger EasyPen Roger Clip-On Mi
	Far Field Noise	,	
	Classroom	Roger Pen Roger EasyPen Roger Clip-On Mic	Roger Pen Roger EasyPen Roger Clip-On Mi
V	☐ Place of Worship	Roger Pen Roger EasyPen Roger Clip-On Mic	Roger Pen Roger EasyPen Roger Clip-On Mi
	Other:	Roger Pen Roger EasyPen Roger Clip-On Mic	Roger Pen Roger EasyPen Roger Clip-On Mi
,	Multiple Talkers		
V	Restaurant	Roger MultiTalker Network	☐ Roger ☐ Auto Zoom Control ☐ Zoom Control
V	☐ Automobile	Roger MultiTalker Network	Roger Auto Zoom Control Zoom Control
V	Meetings	Roger MultiTalker Network	Roger Auto Zoom Control Zoom Control
	Other:		
	Multimedia		
V	Television	Roger TV Link Bluetooth Mic	Roger TV Link Bluetooth Mic
	Computer	Roger TV Link ComPilot	Roger TV Link ComPilot
	☐ iPad/Tablet	Roger TV Link ComPilot	Roger TV Link ComPilot
~	iPod/MP3	Roger TV Link ComPilot	Roger TV Link ComPilot
	Other:		
	Telephone		
	Home	☑ DECT I/II ☐ Telecoil ☐ Acoustic Phone ☐ Duophone	□ DECT I/II □ Telecoil □ Acoustic Phone □ Duopho
	Office Mobile	□ DECT I/II □ Telecoil □ Agoustic Phone □ Duophone □ Roger Pen □ EasyCall □ ComPilot □ ComPilot Air	□ DECT I/II □ Telecoil □ Acoustic Phone □ Duopho □ Roger Pen □ EasyCall □ ComPilot □ ComPilot Air
	LI Mobile	Roger Peri Lasycali Lacompilot Lacompilot Air	I Noger Fen Lassycan L Compilot L Compilot Air
0	July Alex	12	
DW	4 66 / All	(1)	



LH Female 45 years old

- 45 Year Old Female
- Mother 4 children
- Progressive loss starting age 18, etiology unknown to patient
- New to clinic, hearing aids fit at another clinic (Bolero SP)
- First referred to Cochlear Implant Clinic 11 years ago and was told not a client
- Currently employed as Customer Service Manager
- Poor word identification scores in quiet
- LiSN-S PGA not performed
- Money is issue...Roger X via ComPilot II



Treatment Plan

- Near Field Quiet:
 - One-on-one & Small Group: Omni with Sound Recover (set to max)
- Near Field Noise:
 - Restaurants, Café, Noisy Room etc: Roger Pen
 - Automobile: Roger Pen
 - Customer Service: Manually lock Roger Pen in "Interview Mode"
- Multimedia:
 - Television: TV Link + Closed Captioning
 - Computer: ComPilot II
- Telephone
 - Home: Dect II
 - Mobile: ComPilot II
- Strongly encouraged to see Cochlear Implant Team again
- Discussed alerting options for including Hearing Ear Dog



