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On a Mac

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Grand Rounds by ReSound

Directionality Session 1

Valerie Kedem, Au.D.
Field Training Audiologist
GN ReSound

Webinar FAQs

- **How to ask a question:**
 - Click Q&A, type your question and Send.
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 - customerservice@audiologyonline.com
 - Use the Q&A window

LEARNER OBJECTIVES

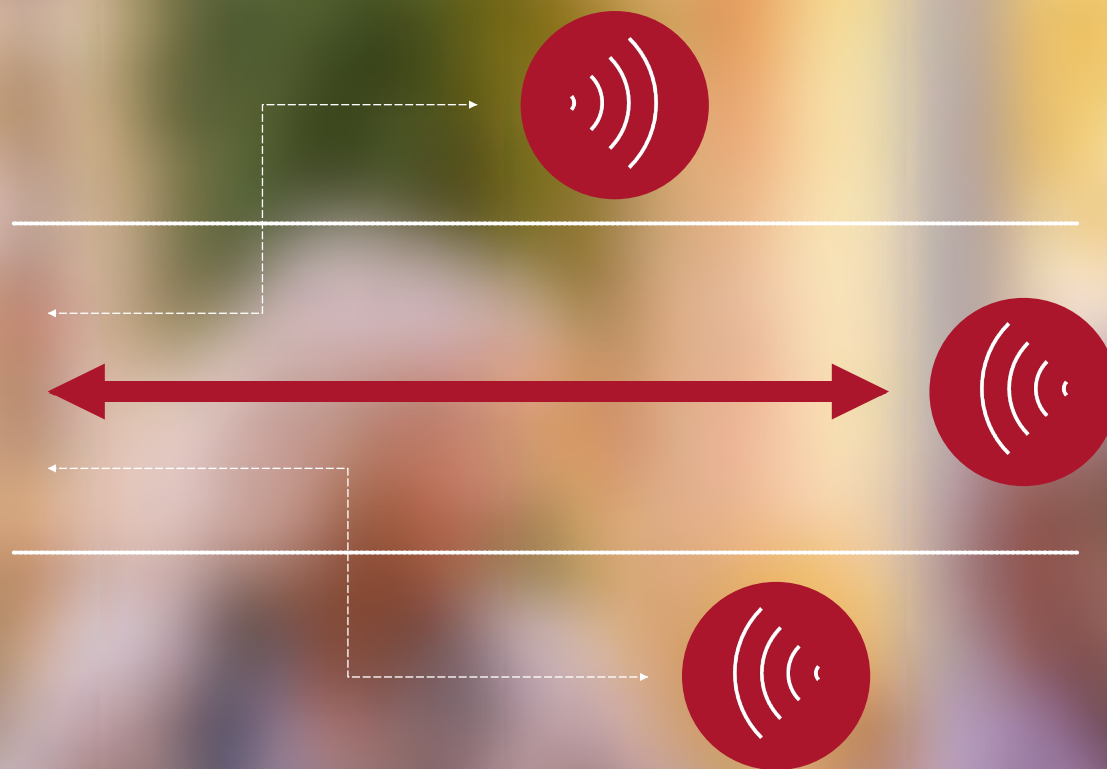
- *After this course, participants will be able to describe ReSound's Directionality Philosophy.*
- *After this course, participants will be able to distinguish between All Around directionality options.*
- *After this course, participants will be able to change directional options based on patient feedback*

What is *Directionality*?

Directionality

ReSound GN

Automatically switches among directional modes to put patients in the best position to hear what's important.



ReSound Nexia
ReSound OMNIA™
360 All-Around

ReSound ONE™
All Access Directionality

ReSound LiNX Quattro™
Binaural Directionality III

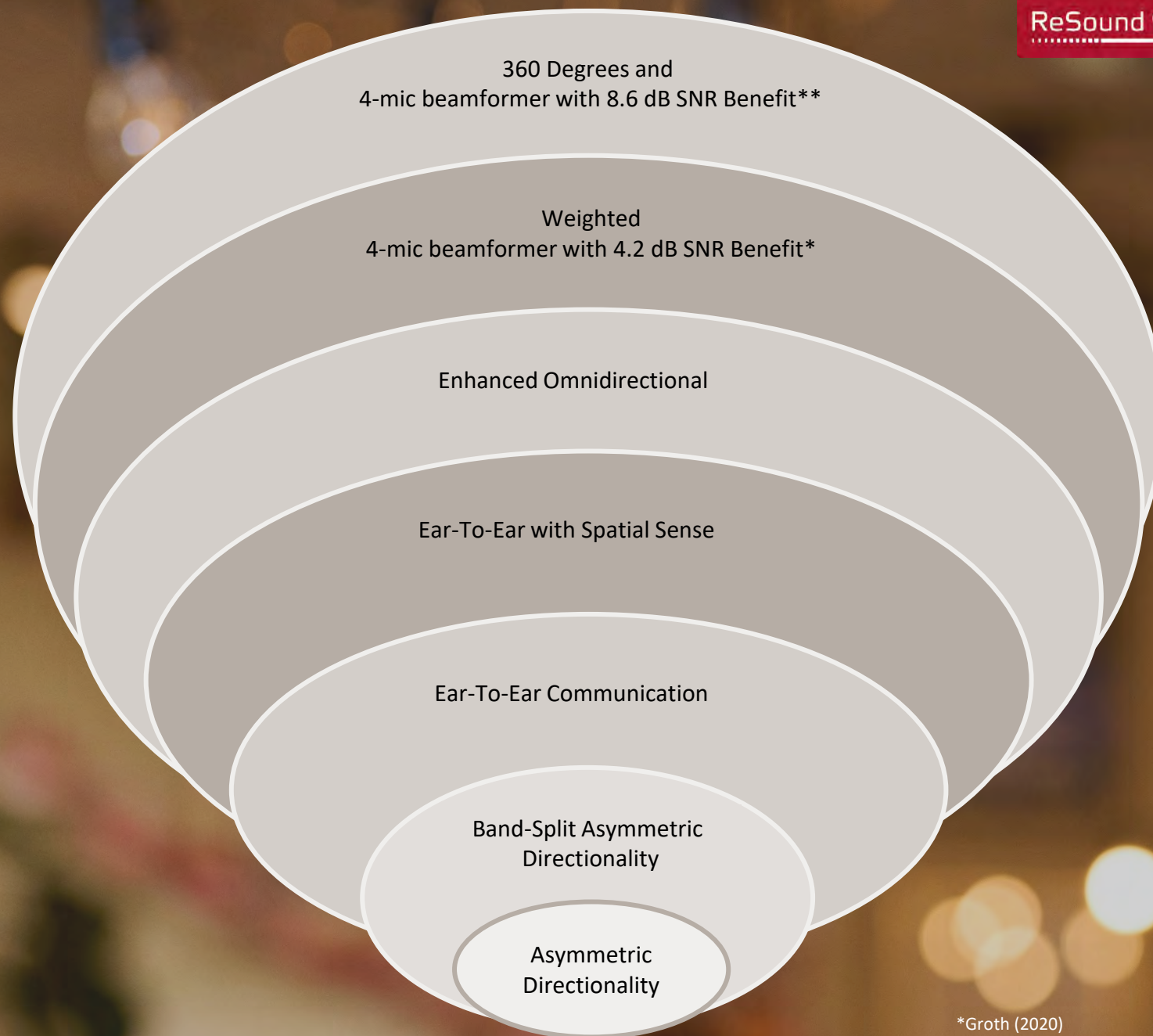
ReSound LiNX²™
ReSound LiNX 3D™
Binaural Directionality II

ReSound Verso™
ReSound LiNX™
Binaural Directionality

ReSound Alera™
ReSound Live™
Natural Directionality II

ReSound Azure™
Natural Directionality

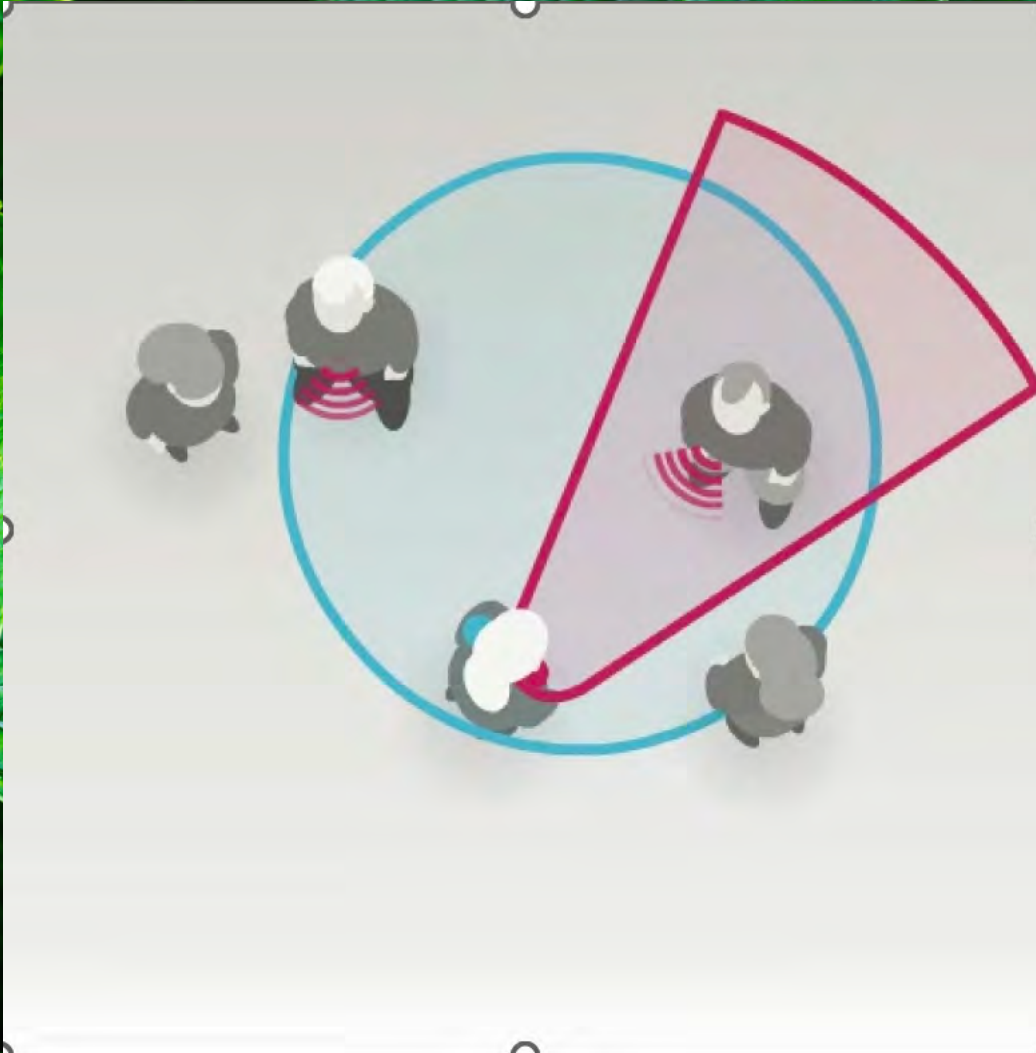
ReSound GN



*Groth (2020)

**Jespersen & Groth (2022)

Directionality



ReSound Nexia

Technology Differences

360 All-Around

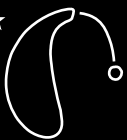
Level 9



Wider sound environment mapping



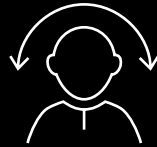
Faster detection, selection, and adaption to environments



Improved precision of binaural beamformer

All Access Directionality

Level 7



E2E streaming of omnidirectional to eliminate headshadow effect



Individualized pinna cues with M&RIE

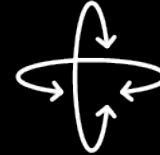


Weighted beamforming

Binaural Directionality III



Level 5



Automatic microphone switching based on the location of speech and level of noise

ReSound Nexia

360 All Around Signature Features



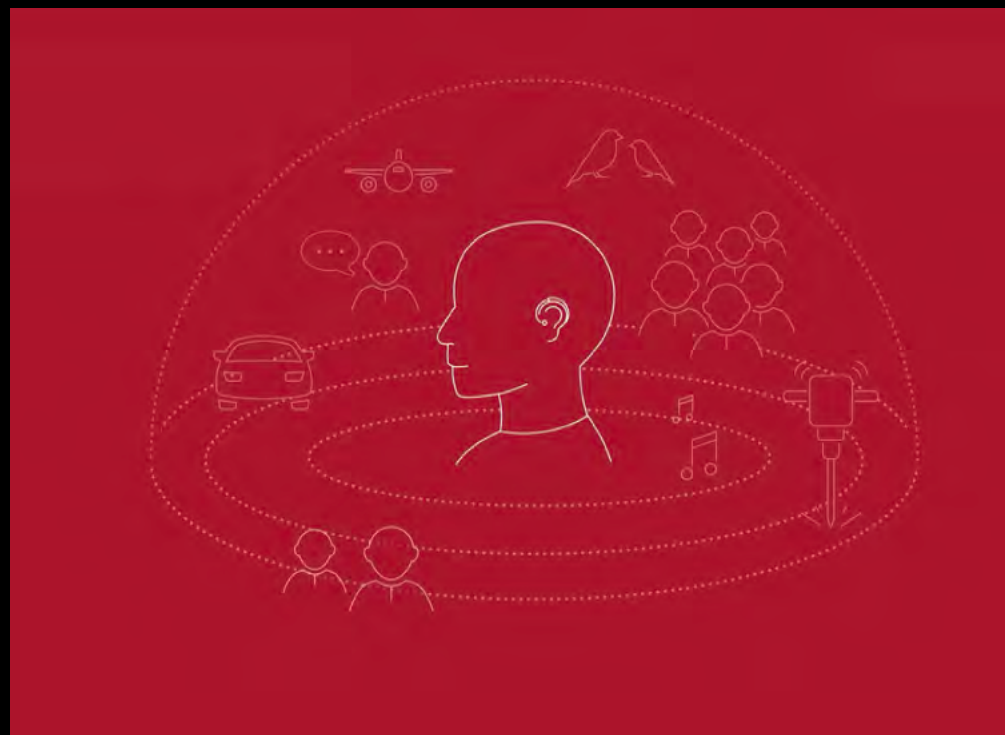
Wider sound
environment mapping



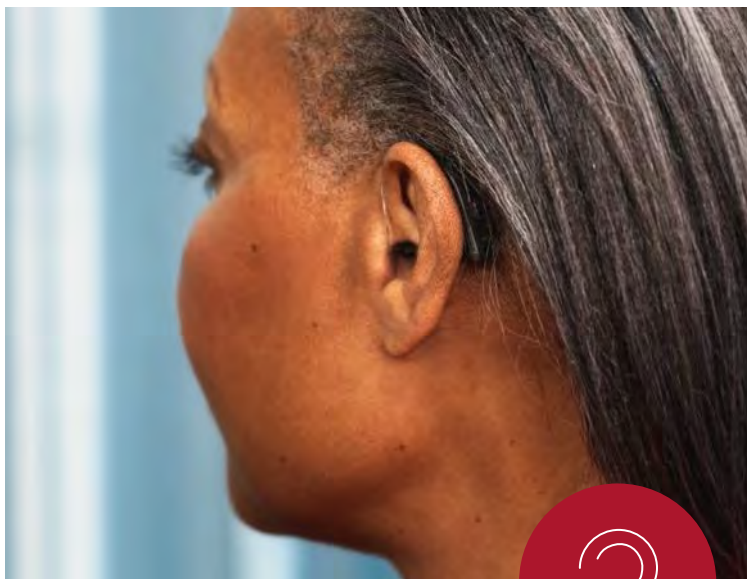
Faster detection,
selection, and adaption
to environments



More **precise**
beamforming for best
speech clarity
in any environment



Case Studies



What to Try?

Patient has severe to profound hearing loss.

During her consult, she mentioned she does not like when her hearing aids have automatic features. She likes to hear everything around her so she does not miss something.



What to Try!

Patient has severe to profound hearing loss.

During her consult, she mentioned she does not like when her hearing aids have automatic features. She likes to hear everything around her so she does not miss something.

In Smart Fit Software:

- Change Directionality to OMNI





What to Try?

Patient reports feeling uneven from one side to the other.

What to Try!

Patient reports feeling uneven from one side to the other.

In Smart Fit Software:

- Change Directionality to Soft-Switching.

What to Try?

Patient with severe to profound hearing loss return to your clinic. During her consult she reported not liking automatic changes. During her 1st fit, directionality was changed to OMNI.

At her follow up appointment, she mentions does not know where sounds are coming from in her environment.



What to Try?

Patient with severe to profound hearing loss return to your clinic. During her consult she reported not liking automatic changes. During her 1st fit, directionality was changed to OMNI.

At her follow up appointment, she mentions does not know where sounds are coming from in her environment.

In Smart Fit Software:

- Change Directionality to Spatial Sense



What to Try?

Patient reports not being able to hear his children when they are in the backseat of his car.

What to Try!

Patient reports not being able to hear his children when they are in the backseat of his car.

In Smart Fit Software:

- ***Add another All-Around program. Change Directionality to OMNI. Increase Noise Tracker II to moderate or considerable.***

- ***OR***

Add an Outdoor Program. Increase Noise Tracker II if needed.



For further information please contact:

ReSound Customer Care at 1-800-248-4327

Additional resources:

Territory Sales Manager

Inside Sales Manager

Field Training Audiologist

Remote Training Audiologist