

WARP Processing

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Grand Rounds by ReSound:

Warp Processing

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Webinar FAQs

- How to ask a question:
 - Click Q&A, type your question and Send.
- Where to get the handout:
 - Resources in the classroom and under Pending Courses in your account
- How to view captions:
 - Click Live Transcript CC button
 - Click Show Subtitle
- How to earn CEUs:
 - After the webinar, go to your Pending Courses and pass the multiple-choice exam.
- For assistance or tech support:
 - Call 800-753-2160
 - customerservice@audiologyonline.com
 - Use the Q&A window

Risks/Benefits

- The applicability and accuracy of the course content may vary by the clinical, geographical, and cultural context; you should evaluate the course accordingly.
- As healthcare is rapidly evolving, new findings may change the validity of the information presented in this course. Providers should always consult the latest research and guidelines from professional associations.
- The interventions discussed in this course may be limited in generalizability, requiring practitioners to consider specific individual and population factors.
- The course may not cover all possible risk factors, diagnostic methods, or treatment options, and complex cases may require additional considerations.
- Healthcare providers should apply cultural competence and sensitivity to ensure effective and respectful care based on their patients' diverse needs.
- Providers should always evaluate the limitations of diagnostic and screening tools, considering their potential for false results as well as any ethical implications.
- It is the responsibility of course participants to critically evaluate the evidence from multiple sources to guide professional practice.



Learning Outcomes

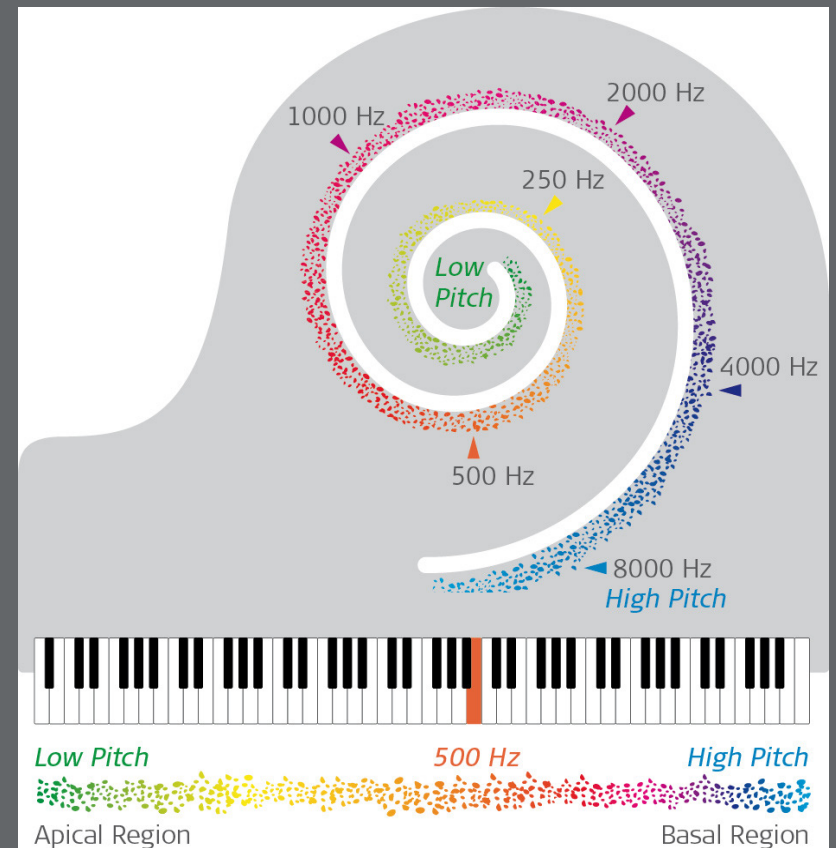
- 1) After this course, participants will identify cochlear anatomy relevant to signal processing.
- 2) After this course, participants will identify how WARP processing works to contribute to the quality of the amplified signal.
- 3) After this course, participants will be able to recall the number of channels available in ReSound's processing strategy.



Cochlear Anatomy

Let's review...

- Hair cell function
- Relevance of tonotopic organization
- How is this impacted by SNHL?



WARP Processing Explained

ReSound GN



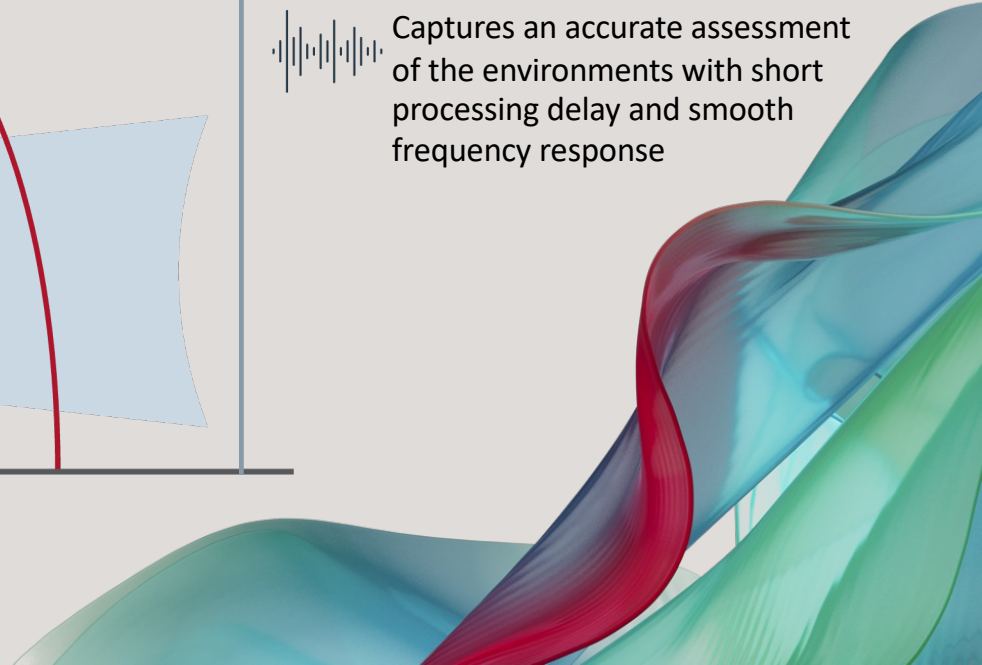
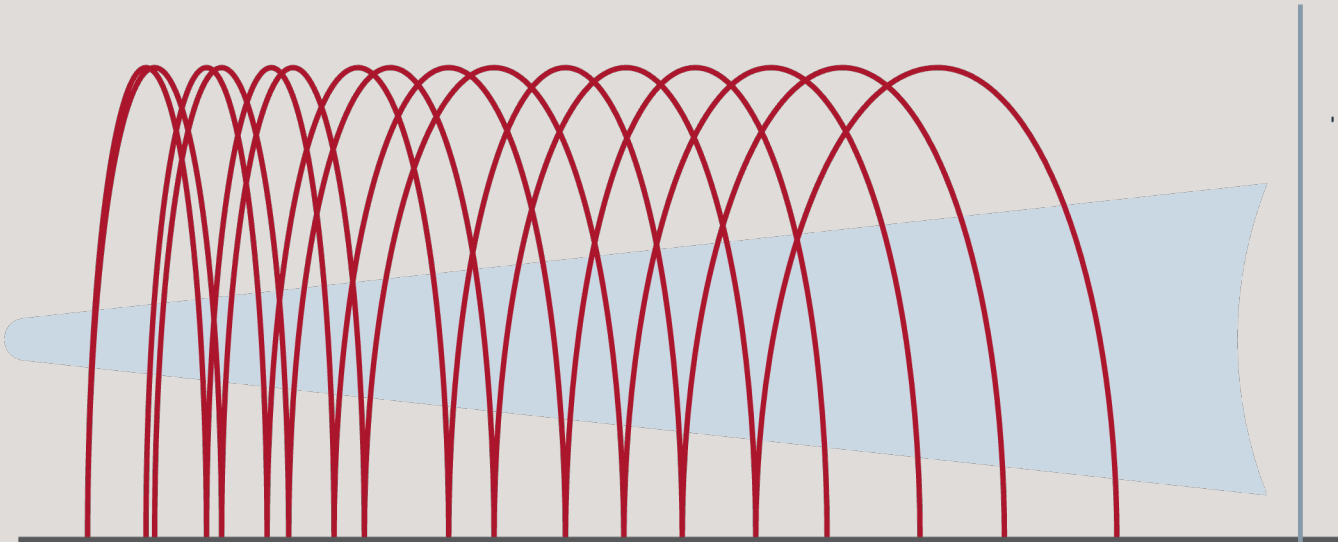
Emulates the way the unaided ear analyzes frequencies and breaks them into distinct pitches



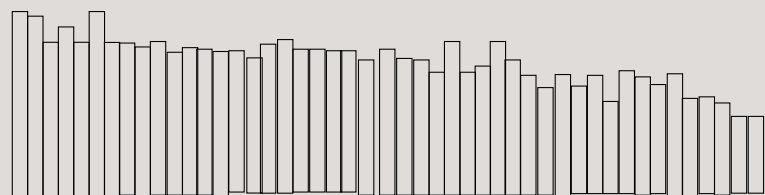
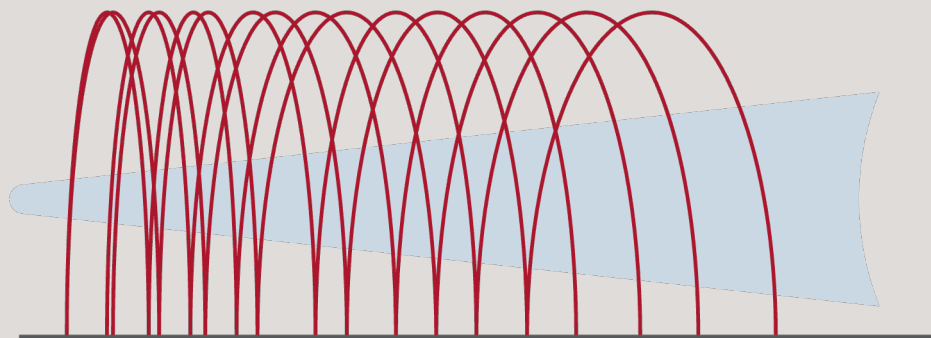
Maps the frequencies into 17 smoothly overlapping frequency bands to **match the resolution of the cochlea**



Captures an accurate assessment of the environments with short processing delay and smooth frequency response



WARP vs Linear Processing



Low

Mid

High



Linear frequencies processing



Equally spaced bands across the cochlea



Requires high frequencies to be **overprocessed** to provide necessary frequency resolution in low frequencies

THANK YOU!

WARP Processing Grand Rounds





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