

Ponto 4 – Join the open sound revolution

Velox S[™] platform and OpenSound Navigator[™]



· Extremly fast and powerful

Unique technology for 360

degree access to sound.

The world's smallest bone anchored sound processor



- 27% smaller than Ponto 3*
 - Combining discretion, performance & reliability

Truly wireless – now and in the future



• The world's first bone anchored sound processor to be connected to the Internet – using IFTTT and the Oticon ON App.

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* Data on file at Oticon Medical

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Listening in noisy environments

- The most difficult listening situation for hearing impaired people
- Sounds of interest are acoustically mixed with all other interfering sounds.
- We use a cognitive process to focus our attention selectively on sounds of interest.

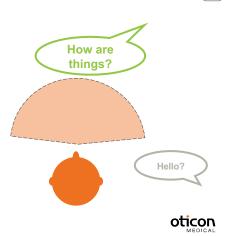


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Conventional technology



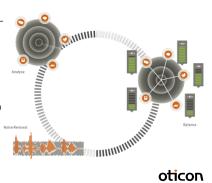
- Creates a focus towards the front of the user and attenuates noise
- Slow transition between different "modes" to avoid abrupt changes that disturb attention
- Side-effects exist like the user feeling isolated and "boxed in"



OpenSound Navigator™ - 360° sound 😭

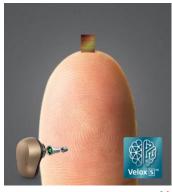


- OpenSound Navigator is opening up and balancing the sound environment
- Enabled by Multi Speaker Access Technology making directionality as we know it a thing of the past
- Very High setting New for Velox S™
 - as OpenSound Booster in the Oticon ON App
- in Genie Medical BAHS



Velox S™ - the platform with unprecedented processing power

- Velox S is built from the bottom up by Oticon – custom made for hearing technology, launched by Oticon February 2019
- It offers extreme speed and precision
- Ponto 4 features the strongest audiology on the hearing instrument market from Oticon Opn™ and Oticon Opn S™
- Sound processing has never been this current in bone anchored technology

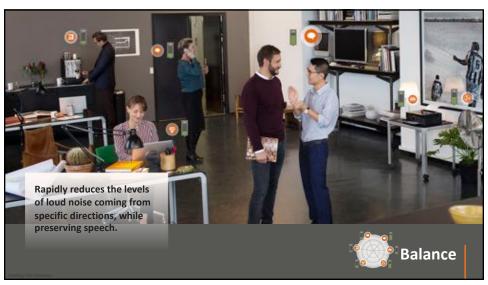


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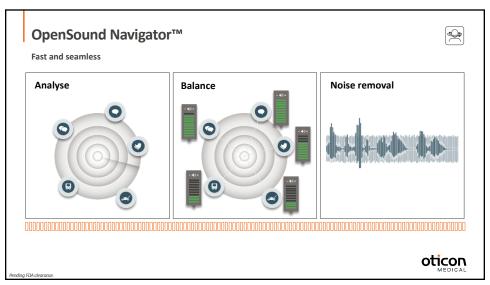
ending FDA clearance





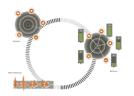






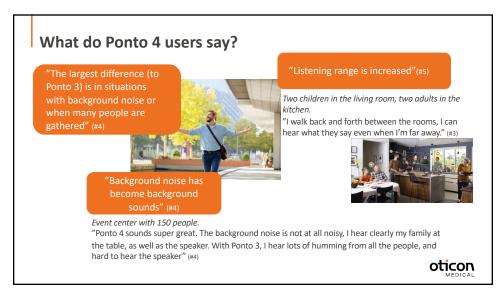
Why is OSN so significantly different?

- OpenSound Navigator™ is a spatially informed seamlessly adapting speech-enhancement algorithm - reducing noise, while also maintaining access to multiple talkers.
- OpenSound Navigator™ is designed to leave the user with the possibility to hear multiple speech sources and decide themselves where to attend





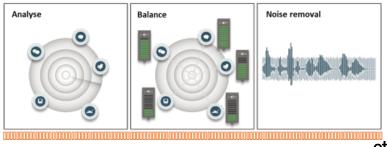
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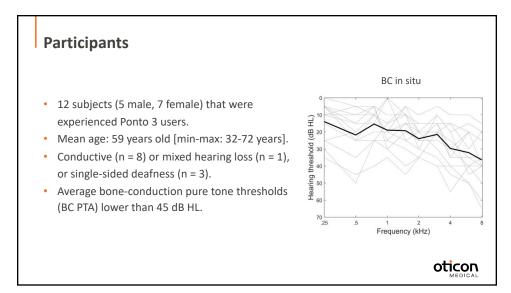


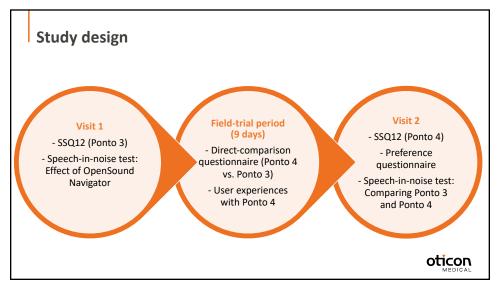
Study Objective

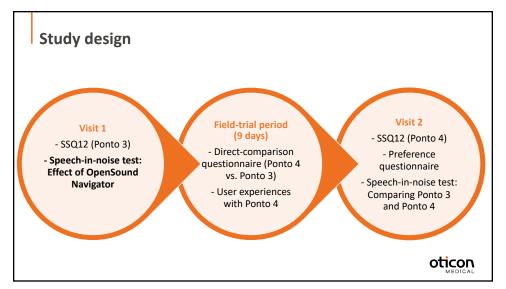
 Evaluate the OpenSound Navigator (OSN) feature of Ponto 4 in terms of benefit in intelligibility during a speech-in-noise test, as well as users' self-reported performance.

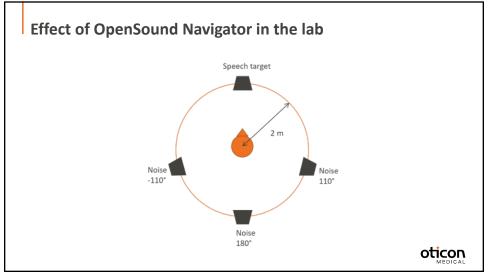


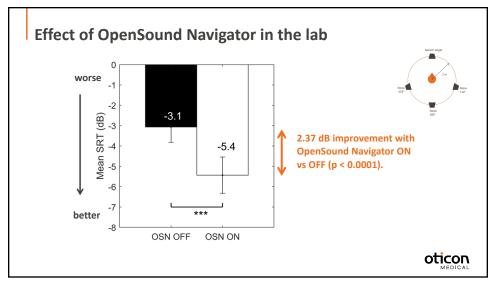
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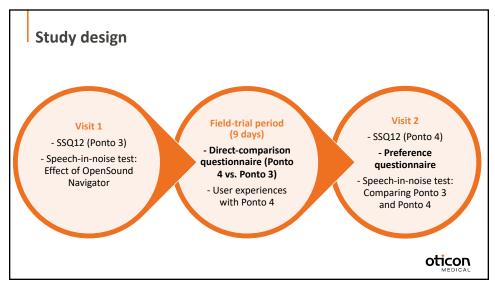


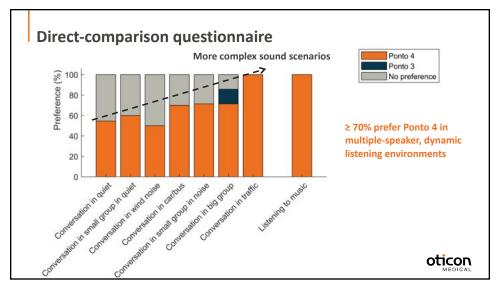


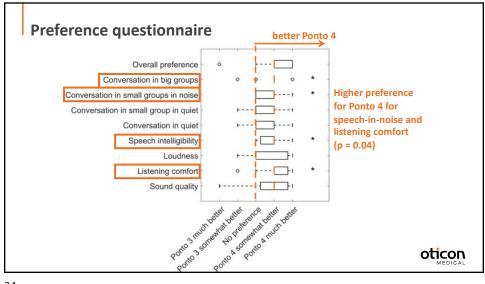


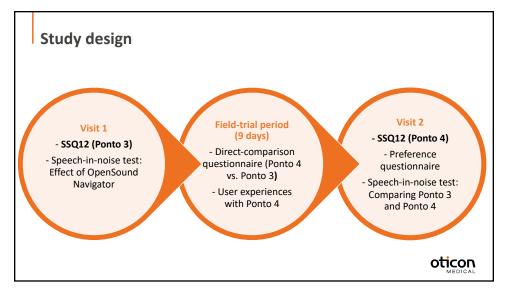


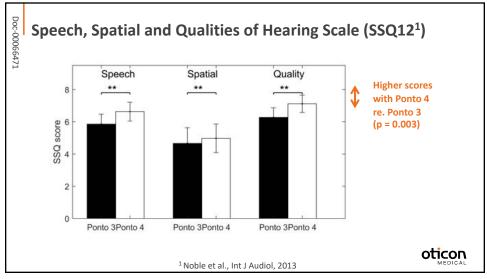


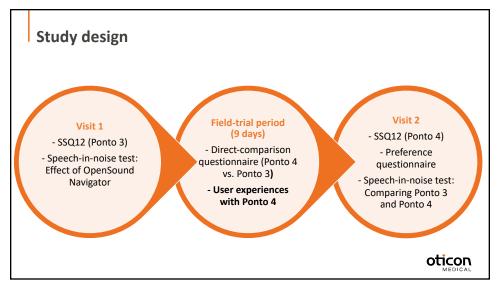


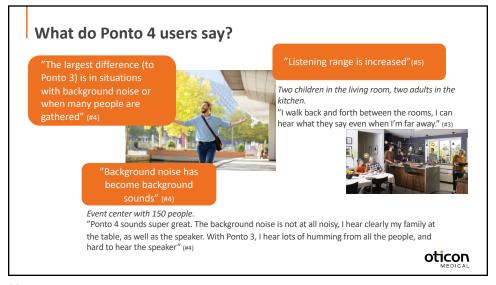












Conclusion

The new **OpenSound Navigator™** technology of Ponto 4:

- ✓ Significantly improves speech intelligibility;
- ✓ Improves perceived speech-in-noise performance and listening comfort in real-life listening environments;

The full potential of the OSN technology comes into play in the dynamics of real-life environments.





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Truly wireless - now and in the future

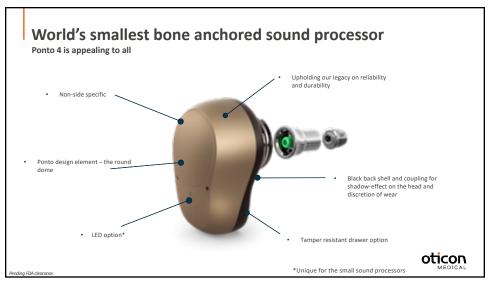


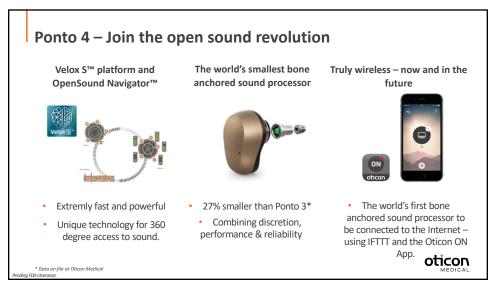
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Join the future of connected hearing

Made for iPhone®



 Ponto 4 connects directly to the iPhone for direct streaming of phone calls, music, changing program, volume etc. Direct streaming from any smartphone



Appstole Coo

- Via ConnectClip
 To access user controls volume control, program change, IFU, "find my hearing aid" and much more using the App

everyday life.

 Endless options with IFTTT
 Unique Oticon cloud solution, enables connection and control to an endless range of devices used in

The first truly connected bone

anchored sound processor

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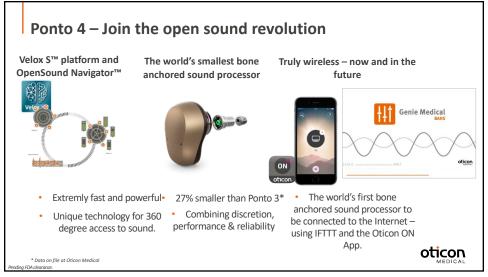


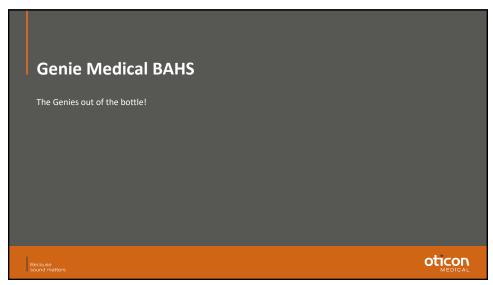
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Pending FDA clearance.

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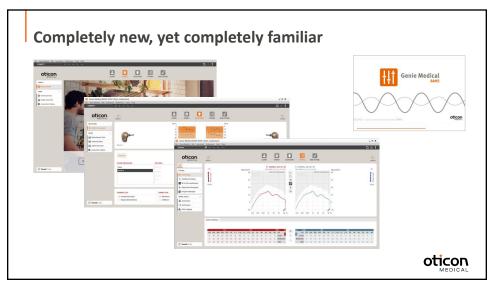


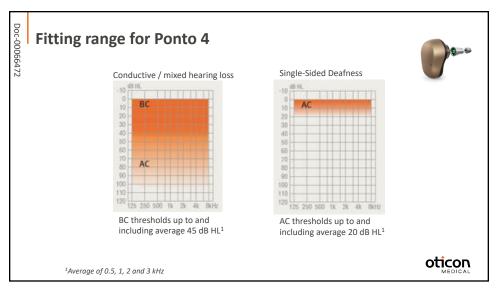


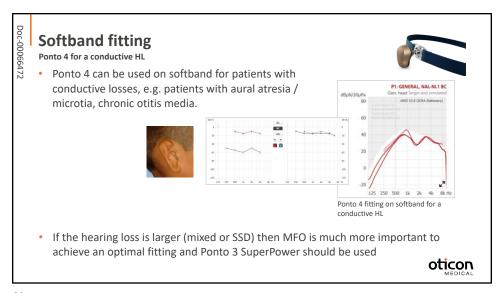
- 2. Fitting flow
- 3. New tools in Genie Medical BAHS
 - OSN
 - Fine Tuning tool
 - LED
 - Pediatric setting
- 4. Software news and Wireless programming

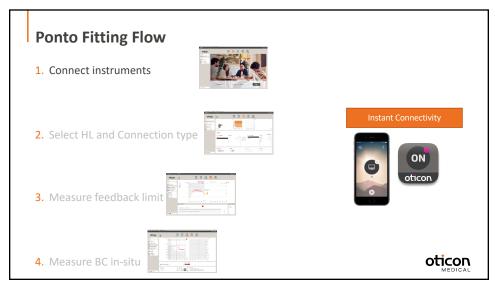


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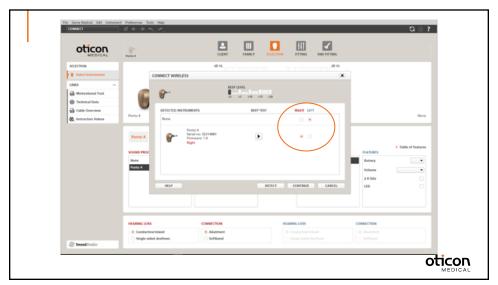


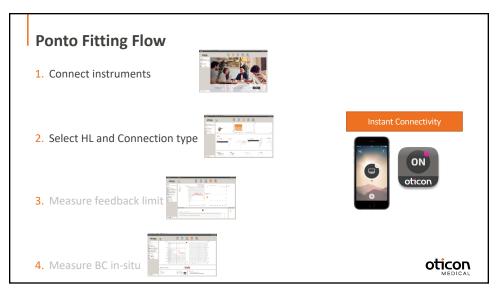


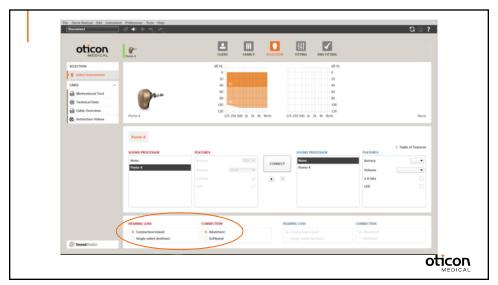


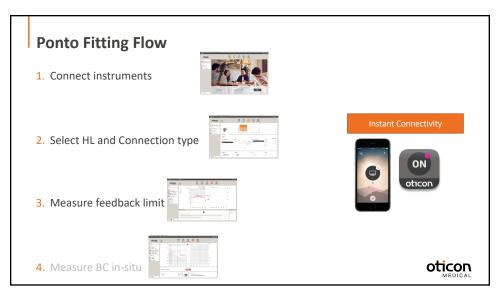


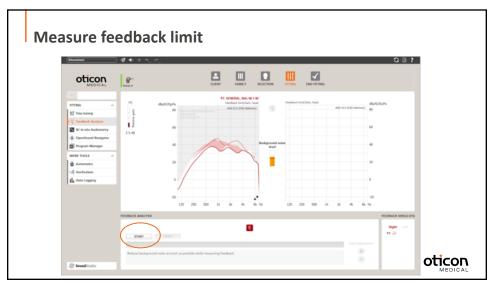


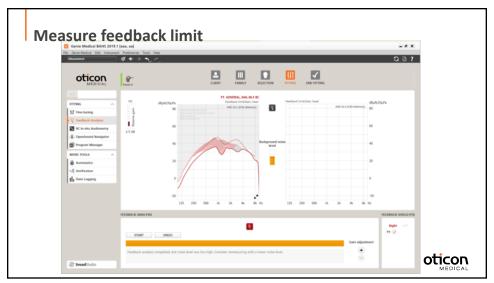




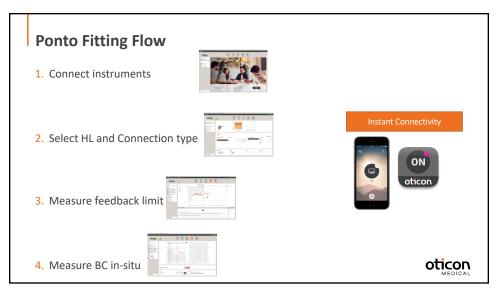


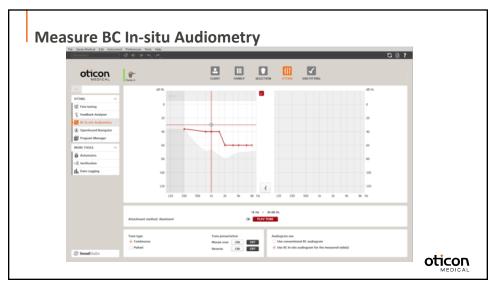


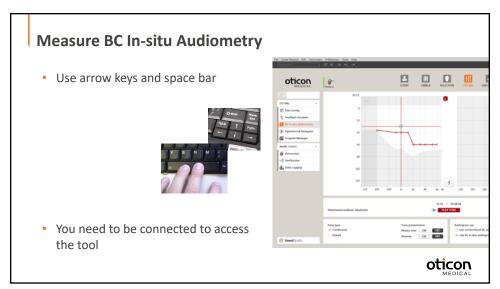


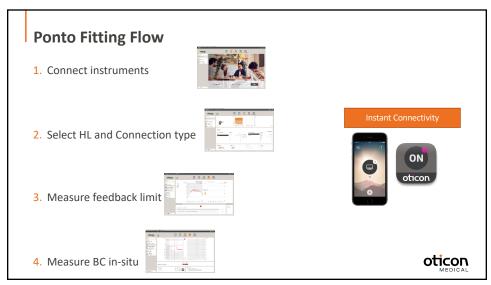


Feedback measurement Be aware • If programming cable is used, please make sure that the cable does not pull in the sound processor and impacts the feedback measurement or evoke feedback. **The company of the cable does not pull in the sound processor and impacts the feedback measurement or evoke feedback.









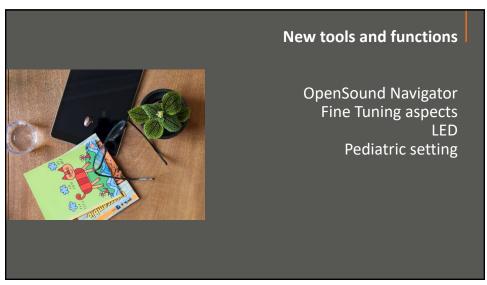
Connectivity- Accessories

Instant connectivity

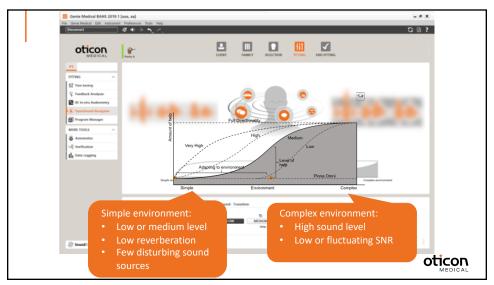
- No need to do anything at the fitting visit, as is the case when fitting Opn.
- Patient can pair to Connectclip microphone and or directly connect to iPhone at home.
- At the follow-up visit when connecting to the Ponto 4 you can see what accessories the sound processor has been paired with.



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OpenSound Navigator

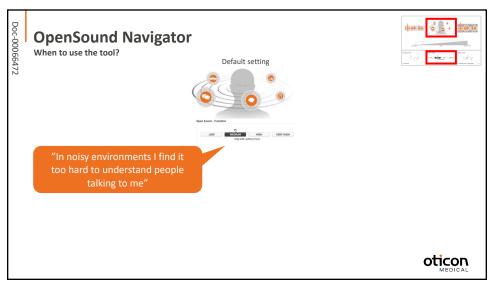
When to use the tool?

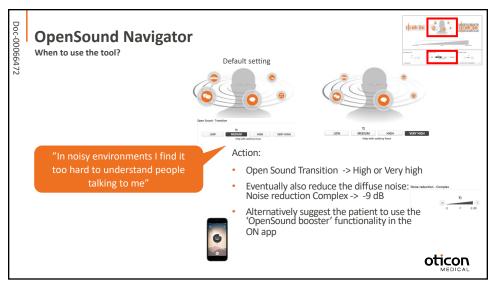
- Use the tool at the follow-up visit if the patient wants to understand speech better or is bothered by background noise.
- It is seldom that you would use the tool at the fitting visit, as the patient needs some experience with the sound processor in different listening environment.

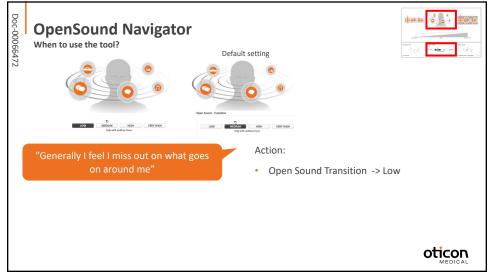


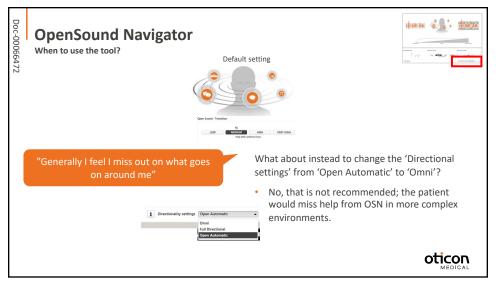
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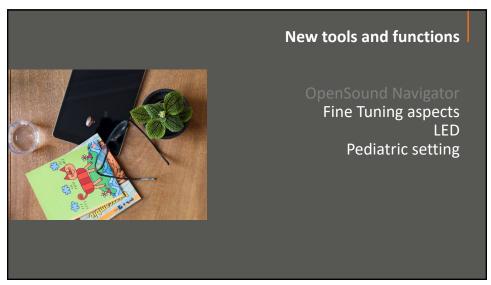












Feedback limit and gain adjustments

- Gain can be adjusted above the measured FB limit
 of course with increased risk of having feedback.
- You can still see the measured limit.



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Fine Tuning

Own voice reproduction

- Fine tuning is seldom needed
- .. but if needed it can be due to a complaint of reproduction of own voice which sounds:

"muffled", "as if I have food in my mouth", "rattling", \dots

- The following adjustment are suggested:
 - 1) Increase HF gain for all input levels by 3 dB in the frequency region 1.5 4 kHz
 - 2) if it doesn't solve the problem then turn DFC is turned off (for small HL)
 - 3) Alternatively for some patients it works better to decrease LF (+750 Hz) by 3 dB



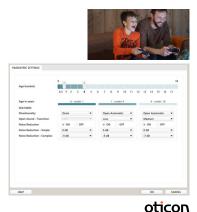
Pediatric default settings

..is applied only at initial fitting

- The client's age is read into Genie Medical.
- If the patient is below 18 years old then Pediatric default settings are applied at the initial fitting.

Example:

- 2y old boy is being fitted for the first time: Pediatric settings are automatically applied
- He comes in again when he's 5y old: The settings are not automatically changed. The audiologist will not be reminded.



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Buttons and Indicators

Visual Indicators

Ponto 4 has an LED

- Indicators for:
 - Program change
- Volume control change
- Battery low
- Start up

LED is default on for children (can be turned off)





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Genie Medical BAHS Completely new platform GM BAHS 2019.1 is separate to GM 2016.1 As such it is seen as a completely separate module in NOAH There is no exchange of information between the GM platforms



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Genie Medical BAHS

Completely new platform

Genie Medical BAHS works with:

Genie Medical 2016.1 works with:

- Ponto 4 family
- ..and sound processors to come
- Ponto Pro family
- · Ponto Plus family
- Ponto 3 family

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