Phonak Virto B Titanium and EasyView OtoBlock

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Disclosure in accordance with CEU guidelines

• Cheri Hebeisen, is a clinical trainer with Phonak. She joined Phonak in 2011. Cheri earned her Doctor of Audiology degree in 2003 from the University of Florida and her Masters of Communication Disorders in 2000 from Louisiana State University Health Science Center in New Orleans. Prior to working as a trainer for Phonak, her clinical experience included diagnostics for pediatrics through geriatrics, newborn hearing screenings, hearing aid and FM fittings, as well as, auditory processing disorder evaluations.

• Financial- Phonak employee who receives a salary for employment.

• Nonfinancial- No relevant nonfinancial relationships exists.

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[Image of a logo that reads: continued]
Learning Objectives

• Describe the features and options in the Virto B Titanium and how it benefits your patients.

• Describe and identify the ideal candidate for the Virto B Titanium.

• Explain how to apply the information learned about EasyView OtoBlock to obtain deep impressions for great custom products.

The essence of the Belong platform is about simplifying the lives of patients and providers

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When a super discreet hearing aid is titanium strong, life is on

62% of client’s first choice is an invisible device

Phonak needs survey, Project #862, March-April 2016, N=160
...and the market tells us so: small is trending upwards

![Graph showing trends in hearing aid types: CIC/IIC, ITC/HS, and FS over the years 2013 to 2020.]

Sonion Market Model 2016-2020

Discover the benefits

**High-tech titanium custom hearing aids**

- The **smallest** Phonak custom products ever
- Made from **medical grade titanium** using sophisticated 3D printing technology
- **64% increased** IIC fitting rate\(^1\)
- Up to 26% smaller thanks to
  - 50% thinner shell
  - Smaller electronics
  - Battery module with integrated microphone

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What does titanium enable us to do?

15x stronger than acrylic

50% thinner shell than acrylic IIC = only 0.2 mm

30% more interior space = size of P receiver

As small as it gets

Virto V-nano

60% smaller electronics

Virto B-Titanium

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Microphone integrated battery module saves even more space

no more MicGuards

microphone

Additional space = Options for fitting

Option 1
Larger vent

Without an increase in size vs. current IIC solutions

Option 2
Larger receiver
More venting without an increase in size

Virto B-Titanium

Virto V-nano

Additional venting options

- Default venting
  - Optimized for size and performance
  - Best for size priority

- Additional ordering option
  - Optimized to reduce occlusion
  - Best for comfort priority

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More power without an increase in size

Virto B-Titanium

Virto V-nano

60% IIC fit rate with SP receiver

M, P and SP receivers available

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CONTINUED
SP Receiver!

IP68 rated custom hearing aid

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CONTINUED
Ordering options: MiniControl or push button

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continued
hearing aid users should not have to think about their hearing

Two performance levels

Virto B-90

Virto B-70

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Excellent hearing performance with AutoSense OS

AutoSense OS senses your surrounding and adjusts the hearing aid every step of the way. The same way the skin of a chameleon adapts to the color of its environment.

SoundRecover2 - Hearing high-frequency sounds

- Improves high-frequency speech audibility by utilizing its adaptive frequency lowering algorithm
- Applies only when the level of hearing loss requires it
- Sound quality of mid and low frequencies is maintained
Fitting and fine tuning tips and tricks - measuring

**Good**
Live voice to quickly check sound quality and perception
Speak /Mississippi/ or /s sh s sh/, ask if /s/ is
• heard
• distinguished from /sh/
• lisping
Speak words with voiced sounds only (e.g. /ama/, /mom/, /alabama/, etc.) ask if words are okay or strange

**Better**
Phoneme Perception Test
Determine if high frequency phonemes are
• detected
• recognized
• distinguished

**Test box measures**
Verify audibility based on RECD

**Best**
Real ear measures
Use /s/ and /sh/ stimuli to
• verify audibility of high frequency phonemes
• verify appropriate separation of high frequency phonemes

Make adjustments in target software to make high frequency phonemes audible

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[Continued]
SoundRecover2 sliders in Phonak Target

Fitting and fine tuning tips and tricks - adjusting

**Good**
Live voice to quickly check sound quality and perception

What if:
“/s/ and /sh/ sound muddy”
- Move Audibility/Distinction slider toward Distinction

“vowel sounds are strange and /s/ sounds are ‘lispy’ “
- Move Clarity/Comfort slider toward Comfort

**Better**
Phoneme Perception Test

What if:
/s/ and /sh/ sounds are not detected or are not measured in the audibility range in the test box
- Move Audibility/Distinction slider toward Audibility

**Best**
Real ear measures

What if:
/s/ and /sh/ are measured and are less than 1/3 octave apart on your Speech Mapping screen
- Move the Audibility/Distinction slider toward Distinction
SoundRecover2 summary

- Restores access to high-frequency information, preserving high-frequency discrimination and sound quality.
- Utilizes an adaptive algorithm, maintaining the familiarity of low- and mid-frequency sounds.
- Extends benefits to those with more severe and profound hearing losses, using a lower cut-off frequency and weaker compression.

Phonak Target 5.3.3

- Most current version of the software
- Includes CROS B Rechargeable
- Update for Audeo B Direct

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Advantages of deep fitting IICs

Lifestyle

• Super discreet
• Better for active lifestyles

+

Performance

• Pinna effect
• Less occlusion
• Avoids wind noise

Titanium is stronger

15x stronger than standard IIC acrylic shells

Less paperwork and costs
Less time without amplification

Fewer shell repairs

Less hassle

Custom products made in 2013: Remakes up until now due to broken shell

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The first step to a great custom device is a great ear impression...

Deep impressions made easy with the EasyView Otoblock!
Challenges with deep ear impressions

- Lack of visualization
- Discomfort
- Feeling of unease

Low quality impressions

- Poorly fitting devices
- Not as small as possible

Characteristics of the EasyView Otoblock

- Attaches to otoscope specula
- Lens provides visual feedback during insertion
- Placed directly in front of the ear drum

Presented in partnership with
Deep ear impressions made easy.

Impression taking with EasyView

1. Select size (S, M, L)
Impression taking with EasyView

1. Select size (S, M, L)
2. Attach to speculum

Impression taking with EasyView

1. Select size (S, M, L)
2. Attach to speculum
3. Place Easyview and check the seal
Impression taking with EasyView

1. Select size (S, M, L)
2. Attach to speculum
3. Place Easyview and check the seal
4. Insert impression material
EasyView Otoblock benefits

- **Pathway** towards ear drum
- Improves canal **length** information
- **Vented** for comfort
- **Stays on the impression** while scanning
- **Used** with your impression material and specula
- For **any type** of custom impression
- Not required for ordering Titanium

Recommendations

**Specula**

Compatible with **all specula**

- Ø 2.4-3 mm

Best used with **pediatric** otoscope

EasyView not required for ordering Titanium
Comparison of ear impression length

With EasyView: 6mm longer ear impressions!

Δ EasyView to standard otoblock impression (mm), n=22

Internal Sonova usability study, 2016
Real world example – taken by a Phonak customer in the Northwest

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[Logo: CONTINUED]
Meet the entire Virto B family

All directional models will deliver a 2dB improvement in directionality with Virto B!

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CROS compatibility with all directional, wireless Virto B

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Together, we change lives