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Introducing the Baha 7 Sound Processor

Presenters: Ginger Grant, AuD, CCC-A, FAAA, Jonathan Hirst, AuD, CCC-A

Welcome to today's webinar where we'll introduce the Baha 7 sound processor.

But before we go into details of the Baha 7 sound processor, I want to first introduce you to Cochlear's mission. Cochlear is very much a mission driven company and we are dedicated to help people hear and be heard. Through this mission, we aim to empower people to connect with others and live a full life. We transform the way people understand and treat hearing loss and we innovate and bring to market a range of implantable hearing solutions that deliver a lifetime of hearing outcomes.

In today's agenda, we'll go through details of the BAHA 7 sound processor and also give you a little bit of information on history and other items in Cochlear's bone conduction portfolio. We'll introduce you to the Baha Soundband, a new accessory that's been released with the Baha 7 sound processor. We'll talk about Bluetooth LE audio accessories, updates to the BAHA fitting software version 7.0 and then finally we'll end with some information about remote assist using BAHA technology.

After completing this course, participants will be able 1 list the features of the Baha 7 sound processor, 2 describe the benefits and uses of the new Baha 7 sound processor and Bluetooth LE audio accessories and 3 navigate the changes to the Cochlear Baha fitting software. My name is Ginger Grant and I'm an audiologist and Senior Professional Education Manager at cochlear. In my role, I get to focus on education related to a variety of topics that impact audiologists as they provide care to their patients. I'll be joined today by my colleague Jonathan Hurst, who is also an audiologist on the professional education team. Jonathan focuses more specifically on education related to products when whether those be bone conduction, cochlear implants or services to make sure that you have the latest information as technology is introduced.

Before we jump into the details of Baha 7, I want to talk for a moment about why Bone Conduction Cochlear bone conduction solutions are proven medical treatment options for people with single sided deafness, conductive hearing loss or mixed hearing loss. We know that every hearing loss is different

and the causes vary from person to person. A patient's hearing loss may affect one ear or both ears and it may stem from a problem in the inner, middle or outer ear. Depending on the degree of hearing loss and which part of the ear is damaged, a bone conduction solution might help your patients regain the sounds that they've been missing. Example etiologies for bone conduction include patients with microtia or atresia, those with chronic otitis media with a consistent air bone gap and draining ears otitis externa where a hearing aid could cause irritation or otosclerosis in cases where stapedotomy has been tried and failed or other risk factors preclude middle ear surgery.

To make sure we're on the same page, it's worth talking about cochlear bone conduction indications now. First, I want to remind you that an indication is not the same as candidacy. An indication is a rule or a guideline based on audiometric data. It's included in our package insert as well as our FDA guidelines for use and what you see on the slide here are the cochlear bone conduction indications. So starting from the left we can see that a bone conduction device is indicated for a patient with mixed or or conductive hearing loss with a bone conduction PTA at 500, 1000, 2000 and 3000 Hz of less than or equal to 55 dB.

For patients with single sided deafness, the poorer ear is essentially non functioning or a profound hearing loss while in the good ear there would be an air conduction PTA at 500, 1000, 2000 and 3000 Hz 1 at least if not better than 20dB. Now the concept of candidacy, remember, is different because candidacy is about the whole patient, all of the additional factors that may be equally, if not even more important than simply following an indication for a device. Candidacy is more than just the audiogram, it's about the whole person and this is where we would consider areas such as the results of a demonstration, hearing health history, goal setting and other health concerns. Cochlear is proud to offer a wide portfolio of bone conduction systems that can be used to treat individuals with hearing loss through bone conduction no matter where they are in their hearing journey. This includes both non surgical and surgical options and typically we see this pathway of non surgical to surgical.

We begin with BAHA Start which is the use of a BAHA sound processor. Now a BAHA 7 on either a soundband or a sound arc. We typically see BAHA Start with pediatric patients or adults who may not be ready or able to undergo surgery. This configuration of a sound processor on a sound band can also be used to demonstrate to a patient what it's like to hear through bone conduction and and can be a valuable counseling pre surgical tool. The gold standard in bone conduction is the OSIA system, a surgically implanted active osseointegrated system that uses piezoelectric stimulation.

The OSIA is a transcutaneous device with the implant fully under the skin. It connects to an osseous sound processor on the outside using a magnet with the transfer of information between the sound processor and the implant via an RF link. For patients who need the maximum amount of amplification, a BAHA Connect system may be used whereby a titanium implant and percutaneous plug are implanted. This same BAHA 7 sound processor is used to transmit sound directly to the cochlea through this connector plug.

Let's take a few moments to watch a video providing detail on how these systems work. For first you'll see a video about the osseous system and then the BAHA start. Then we can jump into more details on the Baha 7 sound processor, the focus of today's webinar.

How the Cochlear Osseous System Works the OSIA system uses a proven process called bone conduction to help you experience the sounds around you. Unlike hearing aids, which make sounds louder and push sound through the ear canal, the OSIA system bypasses any blocked parts of the ear and sends sound vibrations directly to your inner ear. It's designed to deliver high power and clarity, especially in high frequencies, so it's easier to understand conversation in noise. The Cochlear OSIA system includes the world's first active piezoelectric implant. The OSIA system is comprised of two parts, the sound processor and the implant.

The implant is placed fully under the skin behind the ear, and the sound processor sits externally just off the ear and is held in place by a magnetic connection.

The microphones capture sound and the sound processor converts it to a digital signal which is sent through the skin to the implant coil.

The signal is sent from the coil to the piezo power transducer. The transducer converts the signal to vibrations and sends them through the implant to the bone. The vibrations are transmitted through the skull to the inner ear where they are picked up by the cochlea and sent to the brain to be interpreted as sound.

For more information, visit www.cochlear.com.

So now let's get into the meat of the Baha 7 sound processor. The Baha 7 is the powerfully small, Better Connected sound processor. It's the same form factor and small size as the previous Baha 6 Max with a 55dB fitting range. It's now better connected with Bluetooth LE Audio and AuraCast Enable streaming, which means it's the leading bone conduction processor for connectivity on the market. And for those of you who are particularly observant you may notice that the center of the screen is a large BAHA 7 in a purplish color.

That's right, there's a new color and it's lavender. So now we have a new lavender Baja 7, meaning that we have 6, 7 Baha 7 sound processor, color options, including mint, a fan favorite for patients to take advantage of. And speaking of patients, let's hear from some of them before we continue our discussion.

Katarina, Ben, Cat. In the beginning, he wasn't speaking that much. And then once he started to wear his Baha, we noticed that he was speaking, speaking more and more. And now that he wears it more

consistently, his speech has been amazing. Finn loves his bike.

If he could spend all day on it, he would. Thankfully, with the way the softband sits, he can wear his helmet still. And it's so important to have that here. And you can tell him, watch the cars, watch for the road. And he's very good at responding.

Gearing has meant that she has a better attention span, she can interact better with us, and she can learn more from her environment. I think he really is aware that it is a helpful piece of equipment that he needs to wear, so he looks after it quite well. Surprisingly, because he's a rough child, it's really simple to put on. Just put on the lanyard, make sure it's working, and that's it. I think Cash is living every bit of his life just the way he wants to.

None of his complaints are ever about his hearing about something with Legos or his brother and sister, something his brother and sister have heard. It's never about his hearing. Basically, the Baha processors are vital to his development. With the Baha Start, he has just excelled. The biggest thing for me, I've noticed is just the social settings, his willingness to be engaged with other kids and wanting to do that because now you can hear what they're saying and follow the conversation better.

Your parents told me you have a superpower. What is it? Whenever, by covering your ear, I can still hear.

The Baha 7 uses the same technology as the Baha 6 Max sound processor in the same small size. You can see the size comparisons of the Baha 7 to the Baha 6 in the middle of the screen. We can also compare to historical devices like the Baha 5 power, which is on the right, which had a fitting range of 55 dB. And now we're able to achieve that same power with a smaller device. More power in a smaller device, we know, is important to patients, especially pediatrics.

It's worth taking a moment to look at the maximum power output of the Baha 7 compared to the Baha 5 processor, which was the same size as the Baha 7. What you're looking at is maximum power output for the Baha 7 in purple and Baha 5 in yellow. And you can see that you can get up to 7dB more power output with the Baha 7 compared to the Baha 5. And that's based on average differences measured at 500, 1000, 2000 and 4000 Hertz.

Even more important than maximum power output is how well is somebody able to understand speech using a BAHA device? So let's compare speech understanding in both quiet and noise, looking at results with a BAHA 5 sound processor and a BAHA 7 sound processor. So on the left you're looking at average speech understanding in quiet, in gray for the Baha 5 and in yellow for the Baha 7. On average, there was a 10% improvement using the Baha 7 in quiet, and that is statistically significant. On the right, we look at something a little bit different and that is DBSNR improvement.

On the left, you can see the Baha 5 with a minus 2.8dB SNR improvement and the Baha 7 with a minus 3.7dB SNR improvement. So what this means is we had an additional 0.9 dB SNR improvement in noise for the Baha 7 compared to the Baha 5. And again, that is a statistically significant result.

So how does the Baha 7 sound processor help people to understand speech in quiet and in noisy situations? Well, it does it through something called SmartSound IQ. And SmartSound IQ is designed to analyze the surroundings and identify the listening environment, and then automatically adjust the microphone directionality and signal processing algorithms to optimize understanding in that situation. What we find is that SmartSound IQ provides a more comfortable listening experience for patients with overall improvement in hearing performance. And basically it can help patients to enjoy clearer, crisper sound even in noisy environments, without having to make manual adjustments to the sound processor.

The Baha 7 sound processor has the same battery life with a 312 battery as the Baha 6 Max, but as you can see, still offers more than other bone connection devices, including Cochlear's older devices which used a 675 battery. On average, the Baha 7 sound processor offers up to 136 hours average battery life, so patients will be able to go several days before they have to change a battery.

With the introduction of the Baha 7, we're also happy to introduce the Baha Soundband. This new Baha Soundband is designed with babies and young children in mind. It also comes in lavender to match the new color of the Baha 7 sound processor. We'll get into more details of the sound band in coming slides.

We know the overall size of the processor matters to patients, but there's also the projection of the device off the head with a baha, which can make a big difference from for comfort and aesthetics over time with innovation, we've been able to progressively reduce device projection from the head with the new soundband. The connector disc has been redesigned to allow the Baha 7 with soundband to sit 1.5 millimeters lower compared to a Baha 6 on a soft band. This is a wonderful enhancement to improve the wearing comfort and and also the cosmetics of the device. In addition, there's less chance of interference from headwear like helmets or glasses.

Let's get into the details of how the sound band was designed with young children and babies in mind. First, you can see multiple color options on the left. We developed these based on feedback from clinicians, parents and kids. For those who are wearing the sound band all day, for example, through the BAHA Start program, it's important to feel confident about how they look and feel. So we think that everybody should be able to find a color that they like.

The width of the sound band is narrower at 14.5 millimeters, so it will take up less space on the head. And we've also expanded the size range options to accommodate smaller head sizes. There's always been a safety release, but now there's a second safety release on the sound band, which is great for

improved safety. Launching with the Baha 7 sound processor is the Baha soundband. However, existing Baha patients can also use the soundband if they might benefit from these improved features.

You might be wondering, how do you fit? And how does a patient wear the Baha soundband? I'm going to walk you through the steps on this slide, and then we'll watch a short video to demonstrate the fitting on a live patient. So the first consideration is how the patient will be wearing the sound band and the BAHA processor. So, examples you see on the top left are a baby who might be lying down most of the time, in which case maybe the best position is on the forehead.

In the second picture, you see the BAHA positioned on the mastoid, as would be the case with a slightly older child or an adult who, who's running around and active throughout the day. So step one to fit the sound band is to adjust the slider to fit the skull circumference. The second step is to adjust the connector disc to rest on the mastoid area or the forehead, depending on how that patient plans to wear it. In the third step you'll peel off the backing from the soft pad, the sticky side, and then in the fourth step secure that to the connector disc. Step five is to peel off the opposite backing and this goes towards the patient's head and is not sticky.

And then finally you'll attach the processor. Let's watch this in action. Now how to fit the cochlear BAHA soundband Fitting the Baha soundband Before fitting, adjust the placement of the connector disc by grasping it firmly and sliding along the sound band.

Insert the BAHA sound processor into the connector disc until you feel a click. Adjust the size of the sound band to suit head circumference by adjusting the slider.

Avoid having the sound processor coming into contact with the ear to reduce the risk of feedback. Place the sound band on the head securely.

The sound processor should sit above and just behind the ear. To turn on the sound processor, close the battery door completely. To turn off the sound processor, open the battery door until you feel the first click. Close the battery door again to start up the sound processor indicated by five audio beeps and a four second green light.

As Ginger mentioned earlier, my name is Jonathan Hurst. I am part of the professional education team in charge of really product launches so Baja 7 Nexa as well as future launches that are coming. And I'm excited to talk about in this next section the connectivity that comes with the Baha 7 as well as talking about the changes to the BAHA fitting software. Part of this connectivity is from the continued Apple and Android connectivity that we've had with the introduction of Bluetooth LE Audio and AuraCast. So the Baha 7 really gives patients the opportunity to connect to Multiple devices via AuraCast or really allow connections to multiple avenues in which they can stream, talk on the phone and do the things that they might do every day when it comes to the new streaming abilities of the Baha 7.

Direct streaming from public audio sources with AuraCast using Bluetooth LE Audio without the intermediary and with new Bluetooth LE Audio accessories is probably one of the most important things that we're introducing with the Baha 7. It continues to allow for that direct MFI and ASHA direct streaming along with those two wireless accessories. So if you have a patient who has true wireless accessories, they will be able to continue using those with the Baha 7. We are also introducing new wireless accessories that is the TV streamer plus and the multi mic plus and these accessories come with some new capabilities and functionality that we'll talk about in the next section as well. But they also leverage that Bluetooth LE Audio technology along with that Orcast technology.

So if we take a look at the history of Bluetooth, we started off with Bluetooth Classic in the early 2000s and this was a great innovation. It allowed for hands free calling and allowed for Bluetooth headsets. The problem is it has very high power consumption and it has a long latency meaning that the audio

quality may not be as ideal. Following that in around 2010 about 10 years later we had the introduction of Bluetooth low energy or Bluetooth lens. This allowed for proprietary Bluetooths across different commercial products as well as allowing us cochlear to enhance our Nucleus devices as well as our bone conduction devices, the Baha and OSIA devices to take advantage of that Bluetooth low energy that allows for that Apple direct streaming with MFI as well as the Azure direct streaming with Android.

Now circa around 2025 we're introducing Bluetooth LE Audio. So this is a lower energy, better latency meaning better audio quality and it allows for a single transmitting device to broadcast audio to many receiving devices regardless of manufacturers. So this could be equivalent to a person with headsets and a BAHA 7. If they are in an airport that is Oracast enabled, they can go directly and stream directly from that gate announcement directly to both the other person's headset and the Baha 7 which is something we've not been able to do before. This is kind of equivalent to the modern day version of a Telecoil or an FM system.

Telecoil dates back to 1937, FM dates back to 1968. These have been fantastic devices but they're expensive, they're cumbersome, they're not available pretty much everywhere. Whereas Bluetooth LE audio is available in a wide variety of products to today and it's going to continue to be available as newer technology comes out with the latest Bluetooth capabilities in it really changes the game for our Baha7 patients in terms of their accessibility here. AuraCast is a sub feature of Bluetooth LE audio. You have to have Bluetooth LE audio to enable AuraCast.

The BAHA 7 is AuraCast enabled meaning that it can access those Bluetooth LE audio streams right now today if you have a patient with a Baha 7.

As mentioned previously, the Bluetooth LE audio accessories are new being the TV Streamer plus and the Multi Mic Plus. These are new with the introduction of the Baha 7. These have three key features to them. One is one touch pairing. So when you're pairing the accessory itself, all you need to do is put

the accessory into pairing mode.

You do not need to change the BAHA 7 and override a channel or anything like that. It's a simple pairing on the accessory itself with that baha7 just being on and next to it and it will pair automatically. Auto streaming is make sure that if that BAHA 7 leaves proximity of the stream from the multimag to the TV streamer plus when that Baha 7 comes back into range, it will automatically reconnect to the stream just like Bluetooth headphones might do today. So no longer do you need to teach parents or patients to use the app or push a button to get back into streaming mode. This is something that's automatically done from the transmitter.

Lastly, both the TV streamer plus and the multi mic plus act as a transmitter for an AuraCast broadcast. If we think about a professional conference in a hotel that is not yet set up with their own LE audio system, you can use one Multi Mic plus in the room at the podium on the presenter and Transmit to multiple BAHA 7s multiple sets of hearing aids. Same as before. You'd simply open your settings just like you do today with WI Fi. Join that Multi Mic plus broadcast and that audio will stream directly to the device.

Could be headphones, hearing AIDS or a BAHA 7. If you need to step back and step out of the room to use restroom in the middle of a session, you will automatically reconnect the moment you come back into range into that room with that auto streaming. And this also applies to the TV streamer. So if you have multiple people in a household with hearing devices or even someone visiting, a TV streamer can act as an AuraCast broadcast and transmit that signal to multiple devices in the room.

We talked earlier about the ease with which you're able to pair that Multi Mic plus and it is very simple. You're going to charge that multi mic plus, you're going to turn on the Multimic plus and you're going to put the multi mic plus into pairing mode with that sound processor. Within 2 inches of that multi mic plus, you're Going to continue pressing that white pairing button on the rear that has not changed. And

immediately as long as that sound processor is on and within 2 inches you will pair to the Multi Mic Plus. You want to make sure that that Multi Mic plus is fully charged, which takes about 3 hours to fully charge.

Auto streaming on the Multi Mic plus makes life even easier. As mentioned before, if Auto streaming is enabled, the stream from the Multimic plus will immediately reconnect to that Baha 7 when it comes back into range. This is great for school children going in and out of classrooms, maybe needing to use a restroom that's down the hall. The teacher doesn't have to stop teaching to reconnect the Multi Mic plus it will automatically re engage One thing to note is Auto streaming is enabled by default for the Multimic Plus. This is most often used in those complex noisy environments or in teaching environments, so we wanted this to be enabled by default.

If you wanted to change this, you can go into the Baha Smart app and disable Stream automatically as you see in the picture here.

Much like the Multimic plus, setting up the TV Streamer plus has never been easier. All you need to do is connect the TV Streamer plus to a power source, whether it be into the TV or a plug socket. You're going to connect the audio cable to the tv, attach hook and loop tape strips to the TV streamer so that you can then put it on the back of the tv. But before you put it on the back of the TV, you're going to want to pair it to that Baha 7 as this is just as simple. With the Multimac plus, you're going to put that TV streamer Plus into pairing mode, make sure that Baha 7 is within 2 inches and it will automatically connect.

There's no need to open the battery door, there's no need to assign a channel. It will just automatically pair from that TV streamer to that BAHA 7. One thing I like to note is this is a significantly smaller TV streamer than we've had before. This is the size of a post it note, so it's really small and it makes life easier for our patients who can take advantage of that Oracos broadcast as well from the TV streamer.

The TV Streamer plus also has the auto streaming capability where if a patient needs to walk out of a room they will automatically reconnect to that TV streamer. I will note that the TV streamer has auto streaming disabled by default. This can be enabled in the Baha Smart app at any time, but this is disabled by default because we didn't necessarily want everyone to access TV streamer audio when it wasn't necessarily needed. I. E. If mom and dad are watching a PG13 movie after the kids have gone to bed and the kids put their BAHA 7 on, we don't want them accidentally streaming whatever that movie is to their BAHA 7. So for that this is automatically disabled by default, but it can be enabled at any point in the Baha Smart app.

There have been some setting updates within the Baha Smart app. Not only has the look and feel changed but there's actually been some enhanced functionality. So as you can see here you can have view battery status change programs as well as adjust the volume and next to that volume slider, those two lines, if you were to tap that, it will open up the streaming hub and this allows you to look at what is actively streaming to that BAHA 7. You can decide what the volume is, you can put it into oracast broadcast mode and you can even pause streaming if you just need to pause that streaming for just a little bit.

To summarize, the BAHA 7 offers the broadest range of streaming capabilities, being compatible with both new and legacy accessories. Patients who are upgrading do not need to buy new accessories to use them. With the BAHA 7 there are three ways the BAHA 7 can stream one is direct through compatible Apple Android or le Audio using AuraCast, two via Bluetooth, Le Audio accessories as intermediaries or three via legacy true wireless devices. The Baha 7 offers the broadest range of streaming capabilities, being compatible with new accessories and legacy accessories. If you have a patient who is fit with a Baha 6 Max with the enhancements to connectivity, we've also made enhancements to the BAHA Fitting software itself.

So we've introduced a new prescriptive method which is Desired Sensation Level Bone Conduction device or DSL BCD. We've also introduced verification with the VeriFit 2 and Skull Simulator as well as enhanced data logging to give you, the clinician, more information about how your patients are using their BAHA 7 and then adjust or counsel accordingly.

There are now two prescriptions within the BAHA 7 fitting software that you can apply. One is Cochlear Bone Prescription or CBP which has been Cochlear's prescription method for all of the Bahas previously as well as the OSSEO devices, we are now introducing Desired Sensation Level Bone Conduction Device or a DSL bcd. This is leveraging the existing DSL hearing aid fitting and prescription formula for Bone conduction device and these methods can be used for a variety of reasons, particularly if a patient is coming from another bone conduction manufacturer and they want a consistent sound quality. With a BAHA 7 you can just enable a DSL program to allow that consistency in sound. If you have a patient who's looking for a slightly different sound quality, a DSL BCD program can be a great option to just try a different sound quality and see if that helps.

Additionally, this is a great option when combined with verification via the VeriFit2 for those patients who can't respond to BC Direct or BC select within the BAHA fitting software and we'll go over this in a little bit more detail in the next few slides.

The introduction of DSL BCD wasn't made in a vacuum. Cochlear is licensed to use DSL BCD with the BAHA 7 in conjunction and with the permission of the Western University national center for Audiology. We needed to have specific testing to make sure that that Baha 7 device is meeting targets for noise, MPO and those frequency specific targets. All of this information has been verified by Western University national center for Audiology to assure that we are meeting those targets for DSL bcd.

As with any two different prescription methods, CBP and DSLBCD are slightly different in how they deal with frequency specific targets. Cbp, that cochlear bond prescription is enhancing those low

frequencies a little bit more and decreasing that high frequency gain just a little bit. This is designed for cochlear signal processing, so it's designed for our devices in mind to enhance speech, reduce noise and increase that comfort. In addition, DSL BCD is kind of the opposite. It has a little less of those low frequencies and a little bit more of those high frequencies.

This different sound quality could mean that some patients prefer one program type over the other depending on their hearing loss. So DSL is not just for pediatrics. DSL and hearing aids is most often used for those pediatric patients. That's not the case for bone conduction for DSL bcd. DSL BCD can be applied to adults and pediatric patients.

The other unique benefit of DSLBCD is it allows for verification through the VeriFit 2 system. You can now connect your VeriFit 2 system with a skull simulator directly to that BAHA 7 fitting software via VeriFit Link. That VeriFit 2 system will automatically change fitting to match targets when using that Verifit link. So this is most applicable for patients who may not have reliable responses to Booth testing for bone conduction or those that can't give good responses to BC Direct and BC select the this can be a great alternative to make sure that you are verifying the output of that BAHA 7, particularly giving those kids who may be too young to respond good targets for speech outcomes. We're going to watch a video that walks through exactly how to set up the VeriFit 2 with the skull simulator and the Baha sub VeriFit calibration and setup.

Perform the test box calibration protocol outlined in the VeriFit2 user guide using the Binaural Acoustic coupler Remove the acoustic coupler following calibration. Connect the Verifit skull simulator to the jack marked CPLR. Position the VeriFit skull simulator over the black crossbar in the test shape mirror perpendicular to the main speaker.

If testing a left bone conduction device, ensure the Verifit skull simulator abutment is facing towards the left side of the test box. If testing a right bone conduction device, ensure the Verifit skull simulator

abutment is facing towards the right side of the test box. You can confirm the ear you are programming by the blue for left and red for right side of the skull simulator. The correct color should be facing towards you. Attach the Baha 7 sound processor to the Verifit skull simulator abutment coupler.

Position the reference microphone 1 to 3 millimeters from the front facing microphone port on the BAHA 7 sound processor.

Setting up the cochlear BAHA fitting Software insert a fresh 312 battery into the Baha 7 sound processor. Connect the sound processor to the BAHA fitting software or BFS program the BAHA 7 sound processor for prescription to be accurate you must use at least two unmasked bone conduction thresholds.

Be sure to follow all steps including completion of bone conduction direct or BC direct on at least 0.5, 1, 2 and 4 kilohertz. If you are using bone conduction ABR thresholds for your prescription, use EHL which with your clinic's correction factors for 0.5, 1, 2 and 4 kilohertz. Adjust the prescription to desired sensation level, bone conduction device or DSL BCD within the desired programs. Cochlear bone conduction prescription or CBP cannot be used for verification. DSL BCD is utilized in everyday and noise programs only.

Adjust the prescription to DSL BCD within the desired programs.

Connecting BFs to the audioscan VeriFit system. After the BAHA 7 sound processor has been placed correctly in the Verifit test box and programs have been made with DSL BCD as a prescription model, select the verification button.

Select new measurement.

Type in the IP address from the VeriFit2 machine. To activate Verifit link, Select Start measurement setup steps on the screen. Completed note your VeriFit 2 and programming computer must be on the same network.

Select Fit to Target and BFS will automatically adjust gain to match targets.

Due to the nature of the BAHA 7 sound processor being an external electromagnetic transducer and outside of the skin, gain at 6 and 8kHz is not expected to meet targets. Click on Apply to apply gain Changes to the program. You have now successfully verified the output gain of the Baha 7 sound processor with VeriFit 2. Make adjustments based on patient comfort, functional gain measures, speech testing, or questionnaires as indicated by your clinical protocol.

Not only have we introduced DSL, BCD as well as verification through the VeriFit2 system, we've also introduced improved readability and enhanced look and feel of data logging. It does look a little different. It's a little easier to read. Most importantly, it also reports out in average hours of daily use, not just total use, although that is still in there along with the average hours of daily use. You are also able to see exactly which program your patient is in at any given time and identify what programs are most often in.

Not only that, it will break down the environments per program.

On the flip side, there's also an entire screen dedicated to which environments that patient is in and which programs they use in those environments. So this is a great counseling tool. If you have a patient who's struggling in background noise but they aren't switching to a noise program, this is a great tool to say, hey, I see you're not switching to a noise program. Let's consider that for those nosy environments and then recheck at a future appointment.

One really important enhancement to data logging as well is actually being able to see what devices are being streamed from and for how long. So on this screen you can actually see how long that pediatric patient or that patient in general is using the TV streamer, is using a telephone, or is using that Multi Mic plus or the Mini Mic Plus. The beauty about this is it really gives educational audiologists and pediatric care centers access to that streaming information to make sure that we are getting the most out of early language development and listening with the BAHA 7.

For those of you who've worked with BAHA patients for a while, you know that Remote assist with BAHA Fitting software is an option. This is basically the ability to provide telehealth care for patients with BAHA processors. So let's go through that in some detail.

Remote Assist basically gives you the ability to connect to your patients with without in clinic visits, which could benefit both the patient and you. It allows you to one communicate with your patient via live audio, video and chat, 2 remotely connect to your patient's sound processors and 3 perform both first fit and follow up adjustments to your patient's sound processors.

So at a high level, Cochlear Trademark Remote Assist is a hearing health service that allows for live video consultation and remote sound processor fitting and Adjustments. So included are video consultation BC direct through the BAHA fitting software, analyzing the feedback through the BAHA fitting software, and you also have access to all of the fitting flows in the software.

So how might you use BAHA remote assist with your Baha patients? 1. How about counseling? Maybe this is in terms of device setup or equipment demonstration. Or you could use it to either substitute or complement an in clinic counseling session.

Number two is troubleshooting. Maybe you need to identify and resolve issues that your patient has reported and it also gives the patient the ability to initiate the need for support. Number three, complete

a first fitting of an upgraded processor or fitter replacement processor including the feedback analyzer and BC direct measures. And finally follow up. Maybe check the sound processor adjustments following a fitting or conduct an annual follow up for counseling.

Let's first consider John. John contacts you regarding the different programs created during his last appointment in the clinic. He's unsure of how to use the new programs and he has a lot of questions. So you set up a remote assist session to counsel John on the new programs, answer his questions and offer reassurance.

Jamie's parents contact you about the sound band. They have questions on appropriate placement and adjusting it for different situations such as the car seat. You set up a remote assist session to counsel Jamie's parents and answer their questions and reassure them for troubleshooting. Consider this scenario. Sharon contacts the clinic concerned that her sound processor is sounding muffled.

You set up a remote assist session to troubleshoot the equipment and determine whether replacement parts are required. Or run BC direct and make any fine tuning changes as needed. You determine that the sound processor needs to be replaced and schedule another remote assist session to program the replacement processor once Sharon receives it.

How about the scenario when Alex's parents contact the clinic concerned that his sound processor is producing feedback? You set up a remote assist session to troubleshoot the equipment, run feedback analyzer, make fine tuning changes as needed and reassure his parents and determine whether replacement parts are are required. How about for patients who decided to upgrade their processor? For example, consider Sophie, who Learned about the BAHA 7 and decided that it was time for a replacement processor. Sofie's received her processor upgrade and would like to have it programmed so that she can use it right away.

You set up a remote assist session to measure BC direct, run the feedback analyzer and program the sound processor as well as provide counseling on the new features and benefits of the upgraded processor.

How about a scenario where you recently helped a family order Emily's processor upgrade and the family would like to have it programmed as soon as possible? Without missing any school, you set up a remote assist session so they can attend after Emily gets home from school to program the processor and answer questions about her new processor and examine accessories.

And finally, let's consider some follow up case examples. Sarah is due for an annual evaluation. She's a star performer and likes to check in with you at least once a year. You set up a remote assist session to follow up with Sarah, measuring BC direct to look for any changes and complete fine tuning if needed. You also address any questions she has and talk through any new accessories she she might be interested in adding.

And finally, you're responsible for a family who lives over two hours from the clinic and you know that they'll struggle to make the required follow up visits scheduled for Dylan. After activation, you decide to set up remote assist visits to replace some of the in person visits and reduce the travel needed for this family.

We suggest that you help get your patients ready for remote care right from the beginning because of all of the benefits that it can provide to both the patient and to you, the clinician. In order to do this, we suggest that you counsel patients early in the process about the availability of remote care. Discuss how comfortable they are with digital technology. You can ask questions such as do you like using your smartphone? Have you ever used video calls on your phone such as FaceTime or Zoom?

Do you use your smart app and and if needed, is there someone who might be able to assist you with remote care? And then confirm the patient's technology is ready? Check to confirm that the patient has a compatible smartphone and sound processor. Make sure the patient has a cochlear account and has logged into the smart app. Make sure that the patient has paired their Baha 7 to the app and make sure that they have remote assistance in the app menu.

In summary, we believe that the benefits of remote care are enormous for patients. It's convenient and easy to use, it maintains consistency in care and connection to your patients, it supports evidence based care and it uses innovative and secure technology. These are your patients and this is about you providing care anywhere.

As we begin to wrap up today's webinar, I want to review some of the points that we went through in addition to what you see on the slide. We started by talking about why Bone conduction and details of cochlear's bone conduction portfolio including BAHA Start, BAHA Connect and OSIA, which is considered the gold standard in implantable bone conduction solutions using active osseointegrated technology and a piezoelectric transducer. In terms of Baha 7, we went through a lot of details, many of which you see here. We talked about the sound band and how it's smaller and more secure than ever, meaning that families can get the slimmest profile sound processor option without sacrificing sound quality. We introduced you to and showed you verification of DSL BCD with the BAHA6.7 to give you and your patients more fitting options than before.

We reviewed the accessories which bring in one touch pairing for ease of use, auto streaming to keep patients hearing what they should be, and oracast enabled to allow patients to access more and more technology in the market. We talked about enhanced data logging so that you can make sure, even after you've implemented all of these amazing features, that your patient is wearing and using the device as they should. In the middle of the screen you see our hero for today, the Baha 7 sound

processor. Powerfully small and better connected.

Hi everyone, I'm Jessica, a recipient Solutions Manager here at Cochrane Cochlear. I'm excited to go over with you what is included in the Cochlear BAHA 7 sound processor kit. Whether you are a brand new recipient, have recently upgraded, or just want to learn more about your processor, this overview is perfect for you. Let's talk about everything you'll find in the kit. It's important to note that each kit is individually based on what you and your clinician determined was the best fit for you, so yours may look a little different than what we show here today.

First, you will find a welcome brochure that contains everything you need to know about your new sound processor. You'll also find all the basics about signing up for Cochlear family Getting started with the Baha Smart app, connecting your wireless accessories and understanding your device warranty, you can easily register for Co cochlear family right in the Baha Smart app. Now let's take a look at your Baha 7 sound processor and go over the main components and some basic functionalities. On the top of your processor is a control button. A press and release of this button allows you to change programs without needing the Baha Smart app.

On the front of the processor you'll see two microphone ports. Below the microphones is an indicator light. This light will flash various ways to indicate specific functions or alerts. For example, when the processor is turned on you will see four seconds of steady light and when your processor battery is low, the light will start flashing rapidly. You'll find a small tab at the bottom of the sound processor for opening the battery battery door.

On this side there are holes to attach a safety line. Now let's get into some basic functionalities. To turn your Baha 7 sound processor off, gently open the battery door until you feel the first click to turn your Baha 7 sound processor on. With the battery in place, positive side up, close the battery door completely. A four second green light on the processor and five consecutive beeps will indicate startup.

If you have an abutment connection to put your processor on, you'll set the processor at a slight angle on the abutment and rock or tilt it into place, making sure your hair is out of the way. If you have a magnet connection, slide your BAHA processor with the attachment attached sound processor magnet to the implant site until it pulls into place.

Now let's check out the wireless retention and other accessory options available. Your kit may include one or more of these options, depending on the selections made by you and your audiologist. The Multi Mic the Biomic plus is a portable microphone that sends sound directly to your BAHA processor, which is especially helpful in noisy situations like restaurants or when you need to hear from a distance. The TV Streamer plus sends sound directly from your television to your BAHA sound processor, which means you get to hear clearly while your family and friends can still listen at a comfortable volume or not at all. You can connect these accessories with one touch pairing by simply pressing the pairing button on the back of either and holding it within 2 inches of the sound processor.

Additionally, with audio streaming capability, Bluetooth LE audio accessories instantly connect without the hassle of continuous manual setup. If you're not using the free Cochlear BAHA Smart app with a compatible smartphone, you can use the Cochlear™ BAHA Remote Control 2 to easily adjust the volume switch programs and manage streaming with your wireless accessories. The Mini Super Dry Aid Kit can be used to store your processor overnight to help remove moisture for retention. The safety line found in your kit can be attached using the Elastic Thread applicator. Thread the applicator through through the attachment hole.

Then take the loop of the safety line and place it around the applicator.

Thread the applicator back through the attachment hole and pull until the loop of the safety line is through.

Then pull the clip of the safety line through the loop and tighten to secure the safety line.

For more accessory options, visit the online Cochlear Store. We hope you now have a better understanding of how to use everything in your BAHA 7 sound processor kit. Thanks for watching. Please watch our other Baha 7 sound processor videos to learn more about your device.

We have many resources available to help you and your patients and you can access these resources either by contacting your local Cochlear representative or our ProCare team. Some examples are the Baha7 professional brochure, the Baha How It Works flyer, details on the Cochlear Lend An Ear program, the Baha7 data sheet, and the Baha7 connectivity guide. Finally, on the right you can see an overall Bone Conduction Solutions Slim flyer that can be used in the clinic for patients who might be interested in learning about bone conduction technology.

And your learning doesn't have to stop here. We have many, many additional resources and courses available within our on demand learning management system called the cochlear Learning Center. You can access the cochlear Learning center either using the QR code which you see on the right side of the screen, or by going to your MyCoachLear professional account. Under the Resources and Training tab you'll see cochlear Learning Center Additional login is not required as it uses the MyCochlear information for a secure login to the platform where you'll find on demand training on bone conduction devices, on services, on care protocols and on cochlear implants. And we're adding to this library on a regular basis, so we encourage you to check back regularly.

Thank you for joining today's webinar. On behalf of both Jonathan and myself, we appreciate the time and attention that you've given to the Baha 7 and we look forward to seeing you again at a future training.