

# Candidacy, evaluation and fitting protocol

Cochlear<sup>™</sup> bone conduction hearing systems

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# **Cochlear bone** conduction portfolio

Cochlear is proud to offer a wide portfolio of surgical and non-surgical systems that can be used to treat individuals with hearing loss through bone conduction tailored to what's right for the patient and their hearing journey.

This guide will walk you through the treatment determination and care pathway including:

- □ Candidacy identification
- □ Demonstration and evaluation of bone conduction solutions
- □ Bone conduction treatment determination
- □ Patient fitting and monitoring
- □ Upgrades
- □ Billing



Active BC implant system

**Piezoelectric technology** 

Powered for performance excels in the high frequencies<sup>1</sup>

Easier MRI access at 1.5 T and 3.0 T with magnet in place<sup>2</sup>

For all patients, from children<sup>+</sup> to senior adults, who want the latest technology

Up to 55 dB HL bone conduction thresholds



Baha® Start Non-surgical BC system Electromagnetic technology Faster access to sound with Cochlear Lend an Ear Program Access to care when and where patients need it with Remote Assist for Baha<sup>\*</sup> For infants and children, patients not ready for a surgical solution, and bone conduction demonstration Up to 55 dB HL bone conduction thresholds

<sup>+</sup> In the United States and Canada, the Osia System is indicated for children ages 5 and older. \* Remote Assist for Baha for compatible Baha sound processors is intended for a follow-up adjustment or setup of a replacement or upgrade sound processor for suitable



**Baha**® **System** 

### Percutaneous BC implant system

Electromagnetic technology

LowPro<sup>™</sup> or extended 2 mm snap coupling

Access to care when and where patients need it with Remote Assist for Baha\*

> For patients with factors that preclude an Osia System

Up to 55 dB HL bone conduction thresholds



gualified patients based on clinical judgment. Only available at clinics that have enrolled in Remote Care. For compatibility information visit www.cochlear.com/compatibility.

# Candidacy identification

# Goals

- Identification of hearing loss (Conductive or Mixed Hearing Loss, Single Sided Deafness)
- Determine the impact on speech communication and quality of life
- Establish a baseline for continued monitoring of hearing outcomes

# $\bigcirc$

# **Audiological evaluation**

- □ Case history
- □ Otoscopic examination of the ear and ear canal
- □ Tympanometry for both ears
- □ Acoustic reflex measures (optional)
- □ Otoacoustic emissions (optional)
- □ Standard audiometric assessment including unaided air conduction, bone conduction, and speech recognition testing using insert earphones (preferred, if possible) for both ears

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# **Medical examination**

□ Medical consultation to determine etiology and medical treatment (if needed)

# $\tilde{\boldsymbol{y}}$

# **Conductive or mixed hearing loss indications**

### Ear to be implanted

Bone conduction Pure Tone Average (PTA) (500, 1000, 2000, 3000 Hz)

### ≤ 55 dB

Air conduction thresholds are not considered

### Additional considerations ABG ≥ 30 dB an air conduction hearing aid.<sup>3</sup> When to choose bilateral **Bone Conduction PTA:** Difference between ears in bone conduction PTA is within 10 dB

# $\langle \widehat{\boldsymbol{x}} \rangle$ Single-sided deafness indications

| Poor ear                            | Good ear    |  |
|-------------------------------------|-------------|--|
| Profound sensorineural hearing loss | Air Conduc  |  |
| ≥ 80 dB                             | (300, 1000, |  |

≤ 20 dB

### Additional considerations

Patients who cannot or will not use an air conduction CROS hearing aid

Patients with contraindications for cochlear implantation

^ In the United States and Canada, the placement of a bone-anchored implant is contraindicated in children below the age of 5. <sup>†</sup> In the United States and Canada, the Osia System is indicated for children ages 5 and older.

### Age^+

Implantable solutions: Osia: age 5 years and older (US and Canada)

Baha: age 5 years and older (US and Canada)

**Non-surgical solutions:** any age

Patients with an air-bone gap (ABG) of more than 30 dB PTA will experience significant advantages from a bone conduction system as compared to using

### At individual frequencies:

Difference between ears in bone conduction thresholds at individual frequencies are within 15 dB

onduction PTA 1000, 2000, 3000 Hz)

### Age^t

Implantable solutions: Osia: age 5 years and older (US and Canada)

Baha: age 5 years and older (US and Canada)

**Non-surgical solutions:** any age

# Bone conduction demonstration and evaluation

# Goals

- Demo the bone conduction system
- Complete the bone conduction evaluation
- Provide recommendations based on evaluation results and other considerations
- Create audiological treatment plan in conjunction with medical treatment plan to address hearing needs of the patient

# Equipment

- □ Baha<sup>®</sup> 6 Max Sound Processor
- □ Baha test rod, Softband and/or SoundArc<sup>™</sup>
- □ Cochlear<sup>™</sup> Baha Fitting Software installed on fitting computer along with NOAHlink<sup>®</sup> Wireless Programing Interface
- Audiometric test equipment with soundfield capability
- Recorded speech testing material

# $\bigcirc$

# Demonstration with a Baha<sup>®</sup> 6 Max Sound Processor

|  |  | Baha 6 Max<br>Sound Processor                |
|--|--|--|
| Test rod de                                      | monstration  |  |
|  | Out of box settings  | Test rod                                     |
| Use  | A simple, easy demonstration to gi<br>a first impression of hearing throug | ive a candidate<br>gh bone conduction.       |
| Clinic setup                                     | No programming needed. Snap th the test rod and manually hold to t         | e sound processor to<br>he candidate's head. |
| Outcomes <sup>^</sup>                            | Provides a first impression of soun and function.                          | d quality                                    |
| Predictability<br>of post surgical<br>experience | LOWEST   |  |

### Tip

Allow the candidate to listen with the Baha demo in different sound environments—for example by taking a walk around the hospital/ clinic or during a home trial.

### ^ Clinical studies have shown that a non-surgical bone conduction solution, like Baha Start, is an effective method for predicting outcomes before bone conduction implantation.<sup>4,5</sup>

### Baha Softband or SoundArc<sup>™</sup> demonstration and evaluation options

|  | Out of box settings   | <b>Pre</b><br>(see                              |
|--|---|---|
| Use  | A quick demonstration to give<br>a candidate a sense of hearing<br>through bone conduction.   | A d<br>of h<br>clos<br>can<br>a bo              |
| Clinic setup                                     | No programming needed. Snap<br>the processor to the Softband<br>or SoundArc and place on<br>candidate's head.                                 | Pres<br>den<br>can<br>that<br>hea<br>den<br>Sof |
| Outcomes <sup>^</sup>                            | Provides a general sense of sound<br>quality, since the programming is<br>not customized for the loss type<br>or the individual hearing loss. | Pro<br>of s                                     |
| Predictability<br>of post surgical<br>experience | low   |   |
| Baha 6 Max S                                     | Sound Processor preset program of   | otions  |
|  |   |   |
| Program 1: 0                                     | Conductive hearing loss Set up  | demc  |
| Program 2:                                       | Mixed hearing loss Set up demo  | patie   |
| <b>Program 3:</b><br>in the frequen              | <b>SSD</b> Set up demo patient file idention<br>scies below 750 Hz  | cally t   |



Baha Softband



Baha SoundArc

### eset programs e programs below)

lemonstration by category nearing loss type to get a ser approximation of the adidate's performance with one conduction solution.

set the programs in the no processor for use with all adidates. Select the program t matches the candidate's aring loss profile for the no. Snap the processor to the tband or SoundArc and place candidate's head.

vides a closer approximation sound quality.

### **Custom program**

A full demonstration and evaluation of the candidate's performance with bone conduction to predict outcomes.

Program the processor using the candidate's audiometric information. Snap the processor to the Softband or SoundArc and place on candidate's head. To best predict outcomes, conduct a bone conduction evaluation using the custom program.

Provides the closest approximation of sound quality. Provides predictable hearing and speech perception outcomes.<sup>6</sup>





patient file using BC PTA of 10 dB  $\,$ 

nt file using BC PTA of 35 dB

to Program 1 but with low frequency gain reduced by 10 to 12 dB

# $(\bigcirc)$ **Bone conduction evaluation**

### Aided soundfield testing of ear to be implanted

### Setup

- □ Isolate the test ear through plugging, muffing, or masking the non-test ear as appropriate for the patient and indication
- □ Couple the Baha Sound Processor to a Softband or SoundArc and place on the patient's head
- □ Program the Baha 6 Max in the fitting software for use by the patient to demo and to complete the aided testing

### Testing

- □ Functional gain
  - □ Soundfield aided audiogram 500 Hz through 6000 Hz using narrow band noise stimuli
  - □ Consider measuring aided thresholds with the Ling 6(HL) test (v2.0) with calibrated, pre-recorded Ling 6 sounds
- □ Speech testing
  - □ Aided CNC Words at 65 dBA SPL
  - □ Aided adaptive sentences noise test (ex. BKB SIN, HINT, or QUICK SIN) at 65 dBA

For pediatric patients, use age-appropriate tests and questionnaires to evaluate audibility and speech understanding.

The Ling-6(HL) test developed at Western University<sup>7</sup> contains calibrated recordings of the Ling 6 sounds. Each of the Ling sounds is presented to measure detection and plotted on an audiogram. Since the stimuli are phonemes of speech, they may be more clinically relevant and would be less likely to interact with automatic features of the signal processing enabled in the sound processor.

# **Recommended setup for evaluation**



# **Single-sided deafness**

Speech from the speaker on the side of the ear to be impl Noise from the speaker on the side of the better hearing

# $(\bigcirc)$ Demonstration vs. implantable bone conduction solution

Counsel patients about the expected improvement in sound quality a patient can receive with a surgical bone conduction solution like an Osia System, compared to a demonstration with non-surgical solution using the Baha 6 Max Sound Processor.<sup>8</sup> A surgical solution has direct access to the bone conduction path with no skin attenuation to overcome. Additionally, Osia technology is uniquely suited to transmitting high frequency sounds to help patients hear better, especially in challenging situations like noisy environments.<sup>1,9</sup>

| uation      |
|-------------|
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| > <b>()</b> |
| Noise       |
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| r (shown)   |
| (90°)       |
|             |
|             |
|             |
|             |
|             |
| Noise       |
| anted       |
| ear         |
|             |

# **Bone conduction** treatment determination

# Goals

• Determine the treatment pathway for the patient including the appropriate bone conduction solution.

### Tip

Continue to re-evaluate the patient for bone conduction amplification over the course of medical treatment.



# **Determine treatment**

### Take into consideration

- □ Bone conduction evaluation results
- □ Patient impression from demo
- □ Patient use duration (short term vs. long term vs. intermittent)
- □ Surgical or non-surgical solution
- □ Daily use and maintenance of a bone conduction device
- □ Patient hearing goals

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- □ Patient age and lifestyle
- □ Patient health plan benefits and coverage

# **Counseling considerations**

- □ Counsel on the optimal option for the patient
- □ Discuss appropriate expectations
- □ **Osia patients:** Counsel on the expected improvement in sound quality with Osia, compared to a demonstration with non-surgical solution.<sup>8</sup>
- **SSD patients:** counsel that hearing in the profound ear will not be restored but the bone conduction sound processor will send sound from the profound side to the better hearing ear.
- □ Baha 6 Max Sound Processor patients: Discuss Remote Care via Remote Assist\* to supplement in-clinic care.

### Next steps

- □ Review Cochlear Bone Conduction Solutions: Your guide to preparing for surgery (BUN535)
- □ Provide Engagement Manager contact information to the candidate
- □ Complete order form

# Bone conduction solution recommendations



Bone conduction PTA ≤ 55 dB

Meets age requirement<sup>+</sup>

Motivated to proceed with a surgical hearing implant solution



Cochlear<sup>™</sup> **Osia®** System Piezoelectric technology and MRI access at 1.5 T and 3.0 T with magnet in place<sup>5</sup>

### Additional recommendations for specific cases

| Patient with factors that preclude an Osia System   | Consider the <b>Coch</b><br>with Baha 6 Max S   |
|---|---|
| Baha Solution patient requiring<br>additional clearance between their<br>skin and the sound processor | Consider the <b>Baha</b><br>snap coupling, inst |
| Patient with bone conduction<br>PTA threshold > 55 dB   | Conduct a cochlea<br>more info at www.          |

\* Remote Assist for Baha for compatible Baha sound processors is intended for a follow-up adjustment or setup of a replacement or upgrade sound processor for suitable qualified patients based on clinical judgment. Only available at clinics that have enrolled in Remote Care. For compatibility information visit www.cochlear.com/compatibility. ^ In the United States and Canada, the placement of a bone-anchored implant is contraindicated in children below the age of 5.

<sup>+</sup> In the United States and Canada, the Osia System is indicated for children ages 5 and older.

§ In the United States and Canada, the Nucleus System is approved for children with single sided deafness ages 5 and older. For more information on general Nucleus candidacy criteria, please visit https://www.cochlear.com/us/en/home/diagnosis-and-treatment/how-cochlear-solutions-work.

### **Patient qualifications**

| ······   | ······  |
|--|---|
| Single-sided deafness<br>Meets age requirement <sup>*§</sup><br>Motivated to proceed<br>with a surgical<br>hearing implant solution          | Conductive or mixed<br>hearing loss<br>Bone conduction PTA<br>≤ 55 dB<br>No age requirement<br>Motivated to proceed |
|  | with a non-surgical<br>hearing solution   |
|  |   |
| Conduct a cochlear implant<br>evaluation for a<br><b>Cochlear Nucleus®</b><br><b>System</b> ,<br>more info at<br>www.cochlear.us/cicandidacy | Cochlear Baha® Start<br>with Baha 6 Max<br>Sound Processor<br>worn with a SoundArc<br>or Softband                   |

### hlear Baha Connect System^ Sound Processor

6 Max Sound Processor with the 2mm Extended tead of the LowPro<sup>™</sup> snap coupling

ar implant evaluation for a Cochlear Nucleus System, .cochlear.us/cicandidacy

# Patient fitting and monitoring

# Goals

 Provide improved sound quality and speech intelligibility with comfortable wear for the recipient to use the device to the maximum potential

### Equipment

- □ Audiometric test equipment with soundfield capability
- □ Recorded speech material

### **Osia System**

- □ Cochlear Osia Fitting Software installed on fitting computer
- □ Hi-Pro<sup>®</sup> 2 wired interface with the Cochlear CS45 fitting cables
- □ NOAHlink<sup>®</sup> Wireless **Programing Interface**

### **Baha System**

- □ Cochlear Baha Fitting Software installed on fitting computer
- □ NOAHlink Wireless **Programing Interface**

# **Device registration**

Fill out registration card available in the surgical and/or processor docupacks —OR— log in to myCochlear Professional portal to register devices.



## **Remote Care<sup>\*</sup> for patients with** a Baha 6 Max System

### Your patient, your care, anywhere

With Cochlear Remote Care, offer your patients the convenience of quality hearing care without the need to visit the clinic. Manage patient progress and offer programming to those who may be limited by location, health, mobility, or school/work commitments.

- With Cochlear Remote Assist<sup>\*</sup>, your patients with Baha 6 Max Sound Processors can meet you via a video appointment through their Baha Smart App, allowing you to connect to their sound processor through the Baha Fitting Software.
- You will have access to all software features, such as BC Direct, Feedback Analyzer, programs and processor settings, allowing you to complete a full fitting, upgrade fitting or perform troubleshooting.
- Remote Assist can be fit anywhere into your clinical model to supplement in-clinic care.

\* Remote Assist for Baha for compatible Baha sound processors is intended for a follow-up adjustment

# 4-6 weeks post-surgery

### **Osia System**

## **Baha Start**

# Immediately



# **Recommended follow-up intervals**

### Adult

2 weeks

• 6 months (optional)

Note: In cases of patients with magnets, check the site at least once in the immediate post-activation period from 2 weeks-3 months to assess the magnet strength for appropriate retention and modification if found to be too tight or too loose.

### Pediatric<sup>10</sup>

• 3 months

- 1 month
- 6 months
  - 9 months

Note: Please take age and developmental needs of the child into account when planning post-activation follow-up. For example, a young infant or child may need more extensive follow-up, while an older child or teenager may follow a more adult-type follow-up schedule.

### Additional

- Upgrade as appropriate

# **Recommended activation interval**

### **Baha Connect**

12 weeks post-surgery

• Then annually 12 months

- 12 months
- 18 months
- 24 months
- Then annually

• Follow-up as needed based on clinical judgement or patient request for clinical management or troubleshooting

# $(\bigcirc)$ Site check at every visit

| Osia System  | Baha Start   | Baha Connect   | Verification of the device and the fitting is recommended<br>comfort. Scan the QR code to access the Bone conduction   |
|--|--|--|--|
| <ul> <li>Check magnet strength and skin<br/>under magnet for redness, irritation,</li> </ul>                                     | Check fit and placement<br>of Softband or SoundArc   | Check skin around abutment<br>for irritation or infection  | (BUN1029).   |
| or indentation   |  |  | Technical measurement for Baha 6 Max Sound P   |
| What to look for   | What to look for   | What to look for   | The Technical Measurement workflow in Baha Fitting So<br>sound processor to allow you to measure and compare th        |
| The magnet fits strong enough to stay  | The connector disc fits flush and  | Redness, inflammation, soreness at site.   | specification using Audioscan Verifit and Skull Simulato   |
| on the head but is not too tight that<br>it causes discomfort, soreness,<br>or irritation of the skin.                           | close-fitting against the skin to ensure<br>effective sound transmission but does<br>not cause discomfort.                 | Regular cleaning is the most effective<br>way to prevent skin reactions. Patients<br>who are not able to appropriately | SpeechMap <sup>®</sup> using the Audioscan <sup>®</sup> Verifit2 <sup>®</sup> and<br>Baha 6 Max Sound Processors       |
| If skin compression or irritation is present, reduce magnet strength.  | <b>Softband:</b> Be able to fit one finger between the head and the Softband.  | conduct their own skin care should get<br>assistance from their family or caregiver.                                   | Verification of fitting using the Audioscan Verifit2 and Sk<br>"real head" response so you can run test measures using |
| If required magnet strength is<br>in-between, consider fitting the<br>stronger magnet strength with a<br>Cochlear SoftWear™ pad. | <b>SoundArc:</b> Adjust the shape so it does not wobble and the soft tip rests slightly in front of the ear on both sides. |  | processor to view force output, gain and other acoustic a patient performance.   |

### Counsel the patient to perform regular site checks.

The patient should contact the clinic immediately if they experience any pain, soreness, itching or warmth, notice redness or irritation at the site, or notice the Baha Connect abutment is loose.

The Baha 6 Max Sound Processor with the LowPro snap coupling is suitable for most patients, but the 2mm Extended snap coupling may be considered for patients requiring additional clearance.

ne fitting is recommended to ensure audibility and access the Bone conduction verification guide

### Baha 6 Max Sound Processors

 $\bigcirc$ 

Verification

orkflow in Baha Fitting Software 6.1 will set up the measure and compare the device to the published

### lioscan<sup>®</sup> Verifit2<sup>®</sup> and Skull Simulator for

Audioscan Verifit2 and Skull Simulator simulates a run test measures using the programmed sound gain and other acoustic attributes and predict



Scan QR code or visit www.cochlear.us/ **BCVerification** to learn more.

# $\bigcirc$ Activation/upgrade fittings

### Site check

□ Complete site check as appropriate for device

### Programming

- □ Complete programming workflow for a first fitting
- □ Enable datalogging to review at the next visit

### **Counseling considerations**

- □ Counsel on proper site maintenance and reporting of symptoms
- □ Practice attaching and taking off device and review basic device use
- Provide Recipient Solutions Manager contact information (www.cclr.me/welcome)
- □ Review the patient kit and introduce accessories based on the recipient's hearing goals
- □ Set up the Baha or Osia Smart App and create a Cochlear Account
- Discuss communication strategies and rehabilitation resources
- Discuss hearing in different situations including options for challenging listening environments

# $(\bigcirc)$ **Follow-up visits**

### Site check

□ Complete site check as appropriate for device

### Programming

- □ Review datalogging
- □ Complete programming workflow for a follow-up fitting as needed
- □ Complete outcomes measures as appropriate

### Counseling

- □ Review goals, record progress and revise goals as needed
- □ Re-train on device and accessory use and maintenance as needed
- □ Re-educate on listening strategies as needed

### Programming

**Cochlear Fitting Software** allows for customization of the fitting prescription and configuration of the sound processor to match the patient's thresholds, profile, and individualized listening needs.

Several activities are available in Baha and Osia Fitting Software for simple navigation and streamlined efficiency in programming for different fitting scenarios. Each activity has a customized workflow to guide you through the session and complete the needed fitting tasks.

### Datalogging

Cochlear datalogging provides greater insight into the environment experienced by your patient, helping you track usage patterns, make adjustments to the sound processor, and form customized goals to suit their individual needs.

### Remote Assist for Baha 6 Max Sound Processors

Consider using Remote Assist for follow-up, troubleshooting, and upgrade fittings for Baha 6 Max sound processors

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# **Outcomes evaluation**

See section: Bone conduction evaluation (page 10)

- □ Evaluate performance with fitted bone conduction dev
- Compare aided testing to unaided baseline at candidad
- □ Compare aided testing to last visit

### Setup

- □ Isolate the test ear through plugging or muffing as appropriate for the patient and indication
- Ensure the patient is fit with their bone conduction device

### Testing

- □ Functional gain
  - □ Soundfield aided audiogram 500 Hz through 6000 Hz using narrow band noise stimuli
  - □ Consider measuring aided thresholds with the Ling 6(HL) test (v2.0)<sup>7</sup> with calibrated, pre-recorded Ling 6 sounds
- □ Speech testing
  - □ Aided CNC Words at 65 dBA SPL
  - □ Aided adaptive sentences noise test (ex. BKB SIN, HINT, or QUICK SIN) at 65 dBA

### Patient fitting and monitoring

|                      | Пр  |
|----------------------|---|
| ice<br>cy evaluation | The same outcomes measures<br>used for candidacy can be<br>used post-fitting to validate the<br>fitting and allow comparison<br>to the pre-treatment baseline<br>as well as previous post-<br>fitting intervals to monitor<br>performance and serve as<br>a point of discussion in post-<br>treatment counseling. |
|                      |   |

# Next steps on the patient's hearing journey

# Goals

- Determine appropriate bone conduction solution for the upgrade
- Help your patient navigate the upgrade or surgical solution transition process
- Prepare your patient for their upgrade device fitting appointment

### **Contact Cochlear**

**T** 800 523 5798 E customer@cochlear.com www.mycochlear.com www.cochlear.us/rsm www.cochlearstore.com

### Resources

www.cochlear.us/ upgradesforprofessionals

www.cochlear.us/orderform

# How do I know if my patient should transition to a surgical solution?

- Patient would benefit from direct access to the bone conduction path with no skin attenuation to overcome
- □ Patient would benefit from additional gain in high frequencies
- □ Patient's hearing loss has progressed
- □ Patient would benefit from a solution without daily skin maintenance
- □ Patient meets age requirement for surgical solution
- □ Patient is motivated to proceed with surgical solution
- □ Patient desires more discreet or aesthetically pleasing solution

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# Check your patient's eligibility for sound processor replacement through insurance

- □ The device is out of warranty AND one of the following:
- □ The device has reached its "end of useful life" after 5+ years of continuous use
- □ The device is lost or stolen
- □ Medical necessity is described including current impact on activities of daily living
- □ The device is broken and retired or obsolete (normal process as technology advances)

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# **3** pathways

- 01 Upgrade to new sound processor technology OR new or replacement Baha Start system
- 02 Transition from non-surgical bone conduction solution to surgical bone conduction solution
- 03 Transition from an implantable solution to a new or different Cochlear implantable solution

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# Next steps

### Bone conduction solution determination

See sections: Bone conduction demonstration (page 8), evaluation (page 10), and Bone conduction treatment determination (page 12)

- □ Complete a bone conduction evaluation using patient's current device
- coverage, and readiness for surgery

### Placing the order

| Transitioning to a<br>surgical solution | Step 1: Schedule surger  |
|---|--------------------------|
|   | Step 2: Fill out the new |
|   |                          |

### Sound processor replacement

### **Patient initiated**

Patient calls Cochlear or places order via online store —OR— patient schedules a virtual consultation with a Cochlear Upgrade Solution Specialist

Cochlear may review specific patient and insurance requirements and provide you with a Letter of Medical Necessity (LMN) template.

### **Device fitting**

See sections: Remote Care for patients with a Baha 6 Max Sound Processor and Patient fitting and monitoring (page 14)

- Determine if the fitting will be through Remote Assist\* or in clinic
- □ Schedule your patient for their fitting appointment
- □ Complete the fitting

\* Remote Assist for Baha for compatible Baha sound processors is intended for a follow-up adjustment or setup of a replacement or upgrade sound processor for suitable

Determine treatment pathway, taking into consideration evaluation results, age, patient factors, health plan benefits and

### ry

system order form and submit to Cochlear

### **Clinic initiated**

Fill out the upgrade order form and submit to Cochlear

# Billing and coding

The codes in this section may be reported by audiologists and other licensed clinicians for services related to pre- and post-operative analysis and rehabilitation of auditory osseointegrated (AOI) patients. This list is not intended to be comprehensive of all services that may be offered to AOI patients.

### Additional coding support

**T** 800 587 6910 E codingsupport@cochlear.com www.cochlear.us/reimbursementhub



# **Evaluation**

The following codes may be applicable based on documentation of the services listed.

| 92550 <sup>*</sup>    | Tympanometry and reflex threshold measurements   |
|-----------------------|--|
| 92557*                | Comprehensive audiometry threshold evaluation and speech recognition   |
| 92626 <sup>‡¶∆#</sup> | Evaluation of auditory function for surgically implanted<br>device(s) candidacy or postoperative status of a<br>surgically implanted device(s); first hour                 |
| 92627 <sup>‡¶∆</sup>  | Evaluation of auditory function for surgically implanted<br>device(s) candidacy or postoperative status of a<br>surgically implanted device(s); each additional 15 minutes |

# $(\bigcirc)$ **Fitting**

The following codes may be applicable based on documentation of the services listed. As of January 2024, there are two Current Procedural Terminology (CPT<sup>®</sup>) codes to report services related to the diagnostic analysis, programming, and verification of an auditory osseointegrated sound processor.

| 92622#†            | Diagnostic analysis, AOI sound processor; 1st hour                  |
|--------------------|---|
| 92623 <sup>^</sup> | Diagnostic analysis, AOI sound processor;<br>each additional 15 min |
| V5011              | Fitting/Orientation/Checking of hearing aid                         |
| Remote Ca          | re~ Coverage for audiology telebealth visits may vary by pave       |

**Remote Care**<sup>-</sup> Coverage for audiology telehealth visits may vary by payer; contact payer to determine benefit coverage details

\* Audiometric tests identified by codes 92550-92597 include testing in both ears. Use modifier -52 if only one ear tested. <sup>‡</sup> Swanson N. Do's and Don'ts for revised implant-related auditory function evaluation CPT Codes. ASHA Leader, Aug 31, 2020. ¶ The descriptions for 92626 and 92627 were revised in 2020. Please see ASHA article "New and Revised CPT Codes for 2020" https://www.asha.org/practice/reimbursement/coding/new\_codes\_aud/) for details of changes and proper use of the codes.  $\Delta$  Perform to assess changes in speech perception, discuss process and update rehab plan # Per NCCI edits, bundled into 92622 if performed on the same day. Use -59 modifier if the procedure is separate and distinct from primary service.

<sup>†</sup> 92622 requires a minimum of 31 minutes. For less than 31 min, use unlisted code 92700 ^ 92623 requires a minimum of an additional 8 minutes

~ Medicare's telehealth list will not include the new AOI codes for inclusion in 2024. Providers are encouraged to collaborate with professional societies to communicate their desire for continued access to telehealth services.

# Hear now. And always

Cochlear is dedicated to helping people with moderate to profound hearing loss experience a world full of hearing. As the global leader in implantable hearing solutions, we have provided more than 750,000 devices and helped people of all ages to hear and connect with life's opportunities.

We aim to give people the best lifelong hearing experience and access to next generation technologies. We collaborate with leading clinical, research and support networks to advance hearing science and improve care.

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### **References:**

- 1. Fyrlund, H. (2019). Osia performance [PowerPoint Slide 4]. Data on file.
- 2. D1906375-V2 Cochlear Osia Magnetic Resonance Imaging (MRI) Guidelines EN-US
- 3. de Wolf MJ, Hendrix S, Cremers CW, Snik AF. Better performance with bone-anchored hearing aid than acoustic devices in patients with severe air-bone gap. Laryngoscope. 2011;121(3):613-616.
- 4. Spielmann PM, Roplekar R, Rae C, Ahmed F, Jones SEM. Is the use of a bone conduction hearing device on a softband a useful tool in the pre-operative assessment of suitability for other hearing implants? J Laryngol Otol. 2018;132(6):505-508.
- 5. ClinicalTrials.gov [Internet]. Bethesda (MD): National Library of Medicine (US); 2017 November 7. Identifier NCT03333577. Evaluation of the Baha SoundArc in Pediatric Patients; 2019 April 30 [cited 2021 April 27]; Available from: https://clinicaltrials.gov/ct2/show/NCT03333577
- 6. Mylanus EAM, Hua H, Wigren S, Arndt S, Skarzynski PH, Telian SA, Briggs RJS. Multicenter Clinical Investigation of a New Active Osseointegrated Steady-State Implant System. Otol Neurotol. 2020 Oct;41(9):1249-1257. doi: 10.1097/MAO.000000000002794. PMID: 32925852; PMCID: PMC7497889.
- Glista D, Scollie S, Moodie S, Easwar V; Network of Pediatric Audiologists of Canada. The Ling 6(HL) test: typical pediatric performance data and clinical use 7. evaluation. J Am Acad Audiol. 2014 Nov-Dec;25(10):1008-21. doi: 10.3766/jaaa.25.10.9. PMID: 25514453.
- 8. Data on file. Windchill Document D1478473
- 9. Dotevall M. Technical Report: Available Gain in Osia vs Baha 5 Power. Cochlear Bone Anchored Solutions AB, Sweden. 2019; D1664198.
- 10. Marlene Bagatto, Dave Gordey, Lynne Brewster, Christine Brown, Michael Comeau, Charlotte Douglas, Rana El-Naji, Sheila Fortier, Alex Gascon, Jessica Godovin, Colleen Ittner, Meredith Magathan Haluschak, Laurie Mauro, Kari Morgenstein, Joy Peterson, Susan Scollie, Michael Scott & Annemarie Wollet (2021): Clinical consensus document for fitting nonsurgical transcutaneous bone conduction hearing devices to children, International Journal of Audiology, DOI: 10.1080/14992027.2021.1939449

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