

Agenda



- · Introduction to conductive and mixed hearing loss (CMHL) in adults
- Treating conductive and mixed hearing loss with Baha® technology
- Exploring Baha solutions for adults



Conductive and Mixed Hearing Loss (CMHL) in Adults



- Just under half of all hearing impairments can be classified as conductive or mixed1
- Conductive hearing loss may be more common in conjunction with certain diseases 17% of patients with rheumatoid arthritis exhibited clinically significant conductive or mixed hearing loss in one study²
- Cholesteatoma has an incidence of 6.8 per 100,000 patients per year and re-occurs in 44% of patients3
- The prevalence of Otosclerosis is 0.3-0.4% in people of European descent but may be rarer in people of African or Asian descent⁴
- Chronic suppurative otitis media (CSOM) prevalence is highly dependent on geography and ethnicity with prevalence ranging from 0.4% in North America and Europe to 4% in Africa and China and as high as 7% in India⁵

Treatment Options for CMHL in Adults



Surgical Treatment Options

- Middle Ear Surgery
 - Stapedectomy
 - Tympanoplasty
 - Cholesteatoma removal
- Pressure equalization (PE) tubes
- Implantable hearing devices such as Baha® Connect or Baha® Attract

Non-surgical Treatment Options

- · Air conduction hearing aids
- Bone conduction hearing aids
- Non-surgical Baha solutions, such as SoundArc or Softband



Middle Ear Surgery



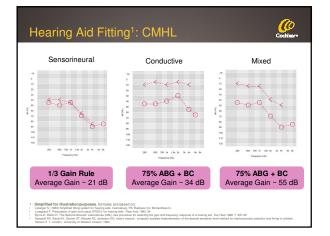
- Common middle ear surgeries include tympanoplasty, ossiculoplasty and stapedectomy
- Over 300,000 ear surgeries are performed each year in the US (excluding myringotomy and tubes)¹
- For tympanoplasty and ossiculoplasty, 60-70% of patients will have "successful" hearing restoration (air-bone gap of 20 dB or less)²⁻⁵
- Stapedectomy is more successful with over 90% of patients achieving closure of the air-bone gap to within 10 dB⁶, although that number drops to 64% for revision surgeries⁷

1—Hel MJ, Schwestman A, Zhong J, Liu X, Dinkon of Health Class Statetics. Marcinel Health Statetics Reports: Architecture of Health Statetics Reports: Architecture of Health Statetics Controlled Sta



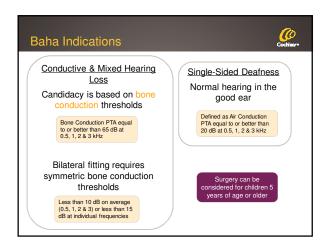






Comparative Benefits of Baha vs Hearing Aids for Mixed Hearing Loss 1 Comparative Benefits of Baha vs Hearing Aids for Mixed Hearing Loss 1 Long Loss 1 Loss 1 Loss 1 Loss 1 Loss 2 Loss 2 Loss 2 Loss 2 Loss 2 Loss 2 Loss 3 Loss 3 Loss 2 Loss 2 Loss 3 Loss 3 Loss 3 Loss 2 Loss 3 Loss 4 Loss 4

Pahaa Systems for CMHL Nothing worn in the ear canal, which is helpful in cases where ear drainage is present¹ Baha processors do not need to be readjusted if the air conduction thresholds fluctuate because gain is only required for the bone conduction thresholds Pre-operative testing can be used to predict post-operative benefit² Use of the Baha system is associated with high user satisfaction and good long-term benefit³. Use of the Baha system is associated with high user satisfaction and good long-term benefit³. I hadred f. Ampril * Baha * 1.000 Completion and terms like and





Baha Evaluations



- Establish benefit before surgery^{1,2}
- Can provide the patient with realistic expectations of surgery
- Can help identify the best surgical candidates through pre-operative testing
- Can assist in choice of processor



1 - Monini S, Filippi C, Atturo F, Blagini M, Lazzarino Al, Barbara M. (2015) Individualised headband simulation test for predicting outcome after percutaneous bone conduction implantation. Acta Ctrahisologyogol Ital. 35(4):258-84

2. Spann MB - 5(4) Pub M - 35(4):15 - 47 Arband XI - Arband SI (2011) A crisinal monocod for production percentage with an implantation procedure resolution.

Baha 5 Sound Processors: Small. Smart. Powerful. Baha 5 sound processors share the same unique technology building blocks to deliver a smart and seamless hearing experience to all patients. "The industry's smallest sound processors." "The only smart processors with direct-to-device wireless streaming and control. "Two power sound processors including the industry's most powerful solution." 1. Private: Stream and Start - incomplete beard the Contract Babas 8 Surd powerful solution. 2 1. Private: Stream and Start - incomplete beard the Contract Babas 8 Surd Stream Accordance Babas Babas

Choosing Baha 5 Sound Processors



- Made for iPhone compatibility to allow direct connection to iOS devices
- Baha 5 Smart App for iOS and AndroidTM allows patients to control and monitor their device
- Ture wireless[™] accessories provide access to sounds in challenging listening environments
- Various retention options and colors allow recipients to personalize their device for their needs



Support and Resources



- Request free information packs for yourself or your candidates at our website
- Candidates may contact our innovative Concierge group for answers to their questions and to connect with a local volunteer if desired
- Recipients can connect directly with Cochlear for all their selfservice needs through our Cochlear Family program

www.cochlear.com/us

1-877-897-4474 or concierge@cochlear.com

www.cochlear.com/us/family

Summary



- Conductive and mixed hearing loss can be caused by many different diseases and can be more prevalent in certain populations
- Baha technology provides a unique treatment option for conductive and mixed hearing loss
- ✓ Baha 5 Sound Processors offer True Wireless and Made for iPhone technology to help recipients connect to the world around them.
- Cochlear offers unparalleled support for both candidates and recipients

Epiena H. -- Balisa midgalenit

