

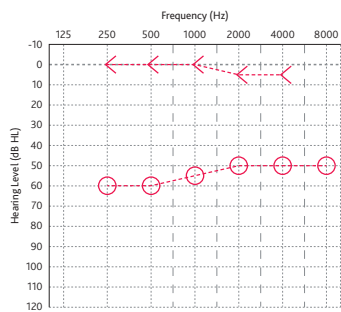
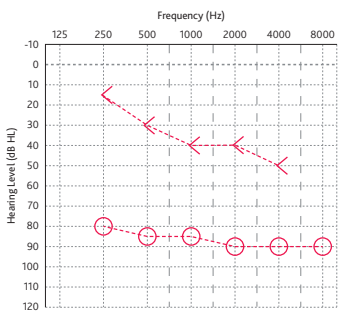
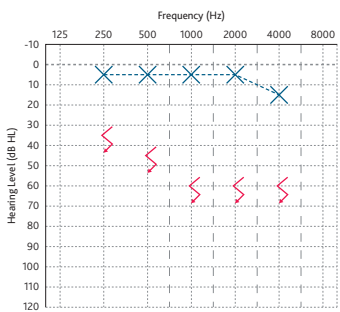
Searching a Database for Baha® System Candidates

Patient management software (such as Noah 4 or Sycle) often includes a patient search function that can be used by hearing health care professionals to identify patients in a database who match particular audiological or device use parameters.

A professional may wish to perform a search on a patient database in order to:

- identify candidates with hearing loss for consideration of a Cochlear™ Baha® System
- identify existing Baha patients who may be eligible for a technology upgrade or who may be bilateral candidates
- inform another professional in the clinical network about an important update related to a patient's hearing device.

Who is a Baha Candidate?

Conductive hearing loss	Mixed hearing loss	Single-sided sensorineural
		
Selection criteria		
Air-bone gap of more than 30 dB AND/OR unable to use traditional hearing aid	Air-bone gap of more than 30 dB AND a sensorineural element < 65 dB HL	Normal air conduction thresholds or a mild hearing loss in their good ear AND realistic expectations hearing from deaf side is needed by candidate
Benefits compared to hearing aid		
Conductive hearing loss bypassed, less amplification required. Opportunity for improved sound quality and a better hearing outcome. ^{1,2} No occlusion of the ear canal	Conductive hearing loss bypassed, less amplification required. Opportunity for improved sound quality and a better hearing outcome. ^{1,2} No occlusion of the ear canal	No occlusion of the normal hearing ear Device on one ear only

Searching for patients based on hearing loss diagnosis or device used

1. Open the search tool in your patient database system, ensuring data values are cleared from any previous searches.
2. Enter the audiological threshold parameters in the appropriate category/tab (such as 'Hearing Loss') or perform a search based on device use by searching for a particular hearing instrument or manufacturer under the 'Devices' or 'Manufacturer' tab.
3. Review the resulting patient list and export to a viewing format such as Excel or PDF.



Noah 4 Advanced Search

To find patients based on the type of hearing loss, search using the following thresholds:



Pure conductive loss
Baha 5 or Baha 5
Power Sound Processor
candidates



**Mixed hearing loss
up to 45 dB SNHL**
Baha 5 Sound
Processor candidates



**Mixed hearing loss
up to 55 dB SNHL**
Baha 5 Power Sound
Processor candidates



**Mixed hearing loss
up to 65 dB SNHL**
Baha 5 SuperPower
Sound Processor
candidates



**Single-Sided
Sensorineural Deafness***
Baha 5 or Baha 5
Power Sound Processor
candidates

	AC dB level	BC dB level	AC dB level	BC dB level (min-max)	AC dB level	BC dB level (min-max)	AC dB level	BC dB level (min-max)	AC dB level	BC dB level
500 Hz	min 40	max 30	min 65	30-45	min 75	45-55	min 85	55-65	min 90	–
1 kHz	min 40	max 30	min 65	30-45	min 75	45-55	min 85	55-65	min 90	–
2 kHz	min 40	max 30	min 65	30-45	min 75	45-55	min 85	55-65	min 90	–
4 kHz	min 40	max 30	min 65	30-45	min 75	45-55	min 85	55-65	min 90	–

* To identify Baha candidates with SSD, perform the search above and remove patients with hearing loss on the hearing ear. This will remove patients with bilateral severe hearing loss from the list.

To find patients based on the manufacturer or device used

To find unilaterally fit Baha patients who may benefit from a technology upgrade or a bilateral fitting, search for patients based on the manufacturer or device.

1. Enter 'Cochlear' as the manufacturer and/or sound processor name in the device tab.
2. Review the audiograms for the resulting patient list.
3. Remove patients with significantly asymmetric or unilateral hearing loss.

1. Niparko JK, Cox K, Lustig LR. Comparison of the Bone Anchored Hearing Aid Implantable Hearing Device with Contralateral Routing of Offside Signal Amplification in the Rehabilitation of Unilateral Deafness. *Otology & Neurotology*, 2003; 24(1):73-78.
2. Flynn MC, Sammeth CA, Sadeghi A, Cire G, Halvarson G. Baha for Single-Sided Sensorineural Deafness: Review and Recent Technological Innovations. *Seminars in hearing*. 2010; 31(4) 326-49.

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