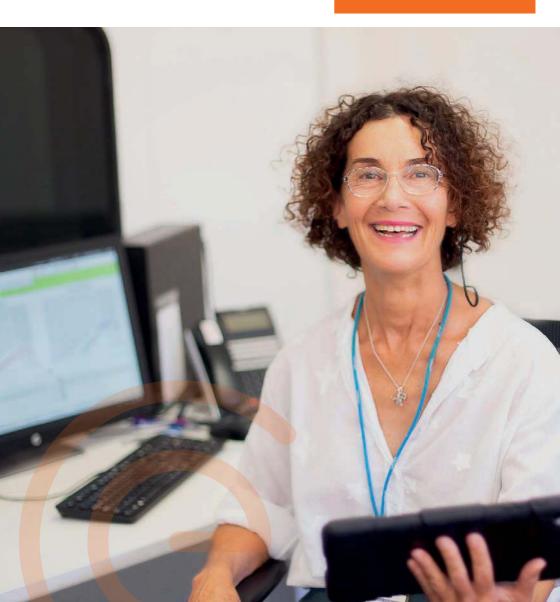
Hearing Implant Referral Guide



For Clinicians



Ear Science Implant Clinic

Ear Science Implant Clinic is part of Ear Science Institute Australia, a world-renowned medical research institute and official World Health Organization Collaborating Centre. Established in 2004 by Professor Marcus Atlas, Ear Science Implant Clinic is WA's largest private hearing implant program, changing the lives of more than 100 West Australians every year.

Ear Science Implant Clinic is committed to establishing partnerships with clinicians across WA, working together to provide clients with, and those who need hearing implants with the support they need.

Our Role

- To support you and your client, and their family through each step of their hearing implant journey
- To provide your clients with the opportunity to speak to recipients through our Mentor Program and support events
- To provide a holistic, evidence-based, multidisciplinary team approach to every client care
- To ensure shared care, we encourage you to attend your client's appointments in our implant clinic
- Provide you with the support you need to continue to care for your bimodal clients

Important Considerations

- It's a shared responsibility. If you think your client may benefit from a hearing implant, encourage them to have further testing.
- Discuss hearing implants as a treatment option from the beginning using positive language. People of any age and with many types of hearing loss may be suitable for a hearing implant.
- Focus on your client's hearing goals and lifestyle. Don't get stuck on the audiogram. Your client's goals are a good indicator for hearing implant suitability.







When to CONSIDER a referral for a cochlear implant

A referral should be considered when your client is using optimised hearing aids and is **still not meeting their hearing goals.**

Consider the following:

If your client experiences one or more of the following with well-fitted hearing aids, they may benefit from a cochlear implant.

- Difficulty hearing on the phone?
- Difficulty following a group conversation and avoids social situations?
- Often asks people to repeat themselves?
- Relies on lip-reading to understand what is being said?

When to REFER for a cochlear implant assessment

Candidacy for referral is simple. Utilise the 60/60 guideline for referring adults for a cochlear implant assessment¹

Refer if your client meets **ONE or more** of the screening criteria.

Audibility

≥ 60dB pure tone average *in the better ear*

Speech Understanding

 $\leq 60\%$ on whole word scores in the better ear



1 Zwolan, Teresa & Schvartz-Leyzac, Kara & Pleasant, Terrence. (2020). Development of a 60/60 Guideline for Referring Adults for a Traditional Cochlear Implant Candidacy Evaluation. Otology & Neurotology, 41(7), 895-900. https://.doi.org/10.1097/MAO.000000000002664



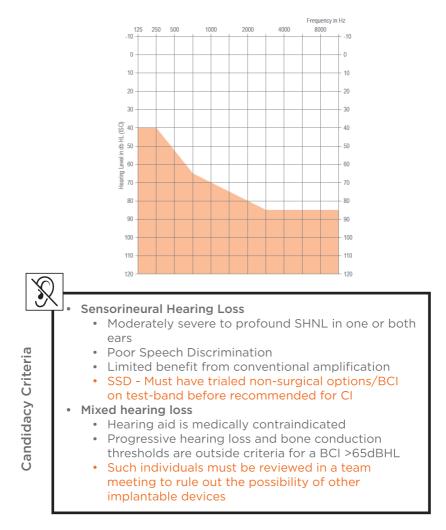
Traditional Hearing Implant Criteria

Referring your client to the Ear Science Implant Clinic is the first step in their hearing implant journey and using the 60/60 guideline is the simplest and quickest way of identifying if your client is suitable for a cochlear implant.

Over the next few pages, you will see the traditional criteria our Implant Clinic uses for the various hearing implants as part the implant assessment. This is for your reference only. You will see there are different considerations and tests required for different hearing implants. These criteria continue to evolve as more outcomes data becomes available, and it is for this reason we recommend utilising a simpler 60/60 referral guideline.

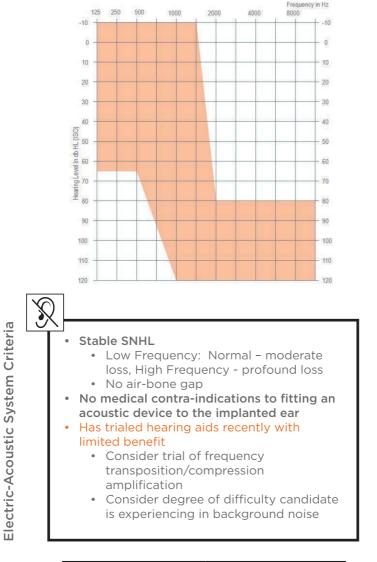


Cochlear Implant Candidacy



AIDED SPEECH	Better Ear	Poorer Ear
CNC phonemes in quiet 65dB SPL	74%	54%
CNC words in quiet 65dB SPL	50%	26%
Open set CUNY in Quiet 65dB SPL	90%	62%

Electric-Acoustic System Candidacy

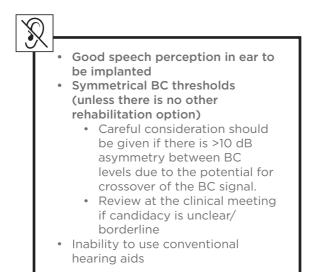


AIDED SPEECH*	Implant Ear	
CNC words in quiet	10-60%	

Bone Conduction Implant Candidacy – Mixed or Conductive Hearing Loss

Main Criteria:

- Stable BC thresholds (BC thresholds ≤ 65dBHL)
- Air-Bone Gap > 30 dB (PTA4)



Why a bone conduction implant over a hearing aid?

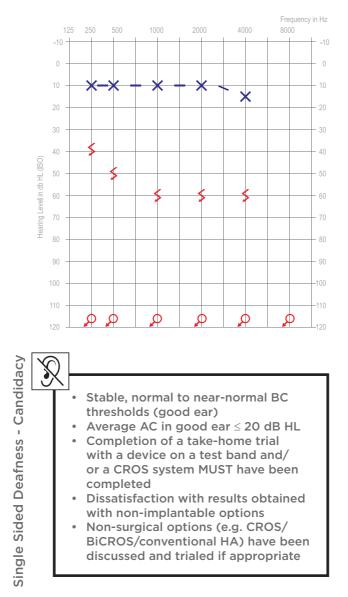
	Air bone gap >30dB	Ear canal allergy	Previous surgeries	Recurrent Otitis Media	
Bone Conduction Implant	>	<	>	<	
Hearing Aid	>	×	~	×	
● good benefit ● reasonable benefit ● no benefit					



Single Sided Deafness – Candidacy Criteria

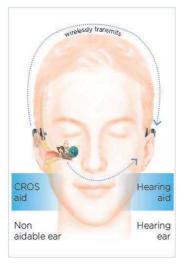
Single Sided Deafness:

No useable hearing in one ear, normal hearing in the other

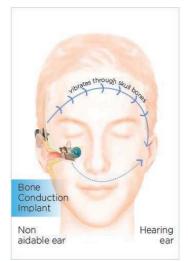


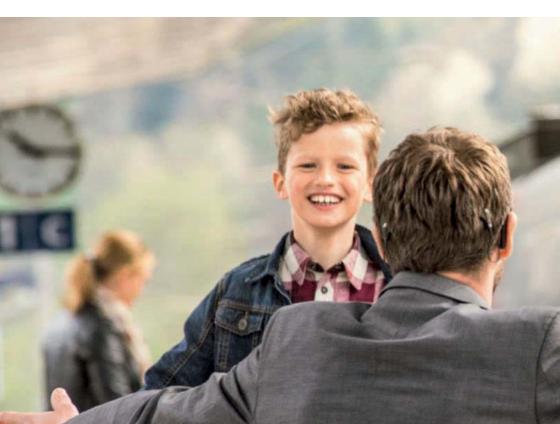
Single Sided Deafness – Treatment Options

BiCROS/CROS



Bone Conduction Implant







Cochlear Implant



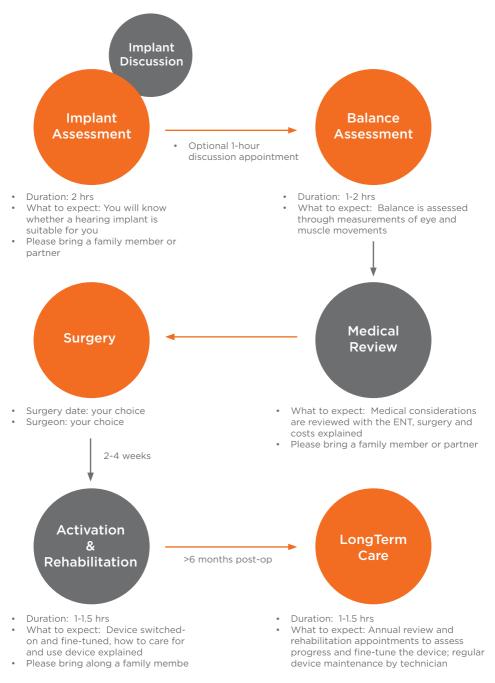
Single Sided Deafness is when a person has usable hearing in one ear only.

- PTA in better hearing ear \leq 30 dB HL
- SNHL ≥70 dB HL in the poorer ear with no functional hearing (unaidable)



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Your Clients Hearing Implant Journey





Audiologist Implant Hub

Visit the Audiologist Hub on our website for all the information you need to identify potential candidates and refer www.earscience.org.au/audiologist-hub/



How to Refer

Email the downloadable referral form to hello@earscience.org.au Call 1800 054 667 and ask for Jody Online via the audiologist hub

Information to include in your referral

- Latest full audiogram | Reason for referral and client's motivation
- Optimised hearing aids (set to NAL targets)

Our Locations

Subiaco, Joondalup and Bunbury

Subiaco Head Office: Suite 2, Level 2, 1 Salvado Road SUBIACO WA 6008

Dedicated Support

Our dedicated Hearing Implant Client Support Officer, Jody is here to help you and your clients with any questions. As a cochlear implant recipient, Jody understands the implant journey and questions you may have. If you would like more information about the implant journey, funding options, costs or have a question about a specific client, please call Jody on 0427 384 989

Contact Jody Hearing Implant Client Support Officer

Call or SMS 0427 384 989 Email hello@earscience.org.au

Cochlear Implant Information Evenings

We hold regular information evenings at our Subiaco clinic with guest speakers who share their experience of having a cochlear implant.

To **attend or request an invitation** for your client, please **email** hello@earscience.org.au

Mentor Program

Our dedicated mentor program is offered to anyone considering an implant. Our mentors volunteer their time to share their stories and experiences as an implant recipient.



Our Services



Service	Duration	Cost
Hearing Implant Candidacy Assessment Comprehensive hearing assessment including speech perception testing to identify suitability for a range of hearing implants (cochlear implants, bone conduction implants, middle ear implants and brain stem implants).	2 hours	Fully subsidised for DVA gold cardholders \$180 for all other clients
Pre-Implant Vestibular Assessment Completed as part of the hearing implant candidacy assessment. Includes vHIT, cVEMP and caloric testing.	1 - 2 hours	Fully subsidised for DVA gold cardholders. Up to \$115 for all other clients
Diagnostic Vestibular Assessment Includes an audiogram, oculomotor evaluation, video head impulse testing (vHIT), cervical vestibular evoked myogenic potential (cVEMP) & bithermal caloric testing.	2 hours	Fully subsidised for DVA gold cardholders. \$150 for Pension cardholders \$220 for all other clients
Diagnostic Vestibular Assessment + ECochG A full diagnostic vestibular assessment with electrocochleography, a valuable tool in the diagnosis of early-stage Meniere's disease. (3 hours if combined with SSCD testing)	2.5 hours	Fully subsidised for DVA gold cardholders. \$210 for Pension cardholders \$280 for all other clients
Diagnostic Vestibular Assessment + SSCD A full diagnostic vestibular assessment for semicircular canal dehiscence (SCCD), including vestibular evoked myogenic potential threshold seeking (cervical and ocular) and sound and pressure evoked testing.	2.5 hours	Fully subsidised for DVA gold cardholders. \$210 for Pension cardholders \$280 for all other clients
Diagnostic Vestibular Assessment + BPPV A full diagnostic vestibular assessment with positional tests & repositioning manoeuvres (where indicated).	2.5 hours	Fully subsidised for DVA gold cardholders. \$210 for Pension cardholders \$280 for all other clients







- Suite 2, Level 2, 1 Salvado Road, Subiaco, WA 6008
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- **F** (08) 6380 4950
- E hello@earscience.org.au
- W earscience.org.au/audiologist-hub/