

The Counselling tool



Contents

1. Treatment process

2. Assessment and counselling

3. Trial

4. Surgical procedure

5. Healing period

6. Fitting of sound processor

7. Advice for good communication

8. After Care and Support Pages

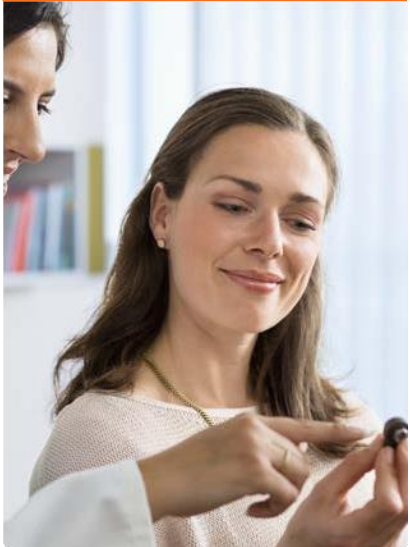
1. Treatment process



Process overview

1.

Assessment and advice



2.

Trial



3.

Surgical procedure



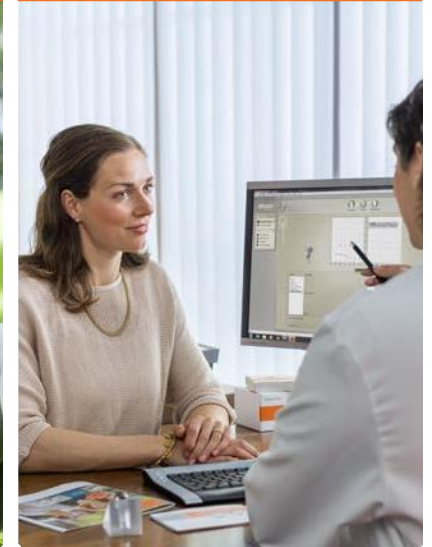
4.

Healing process



5.

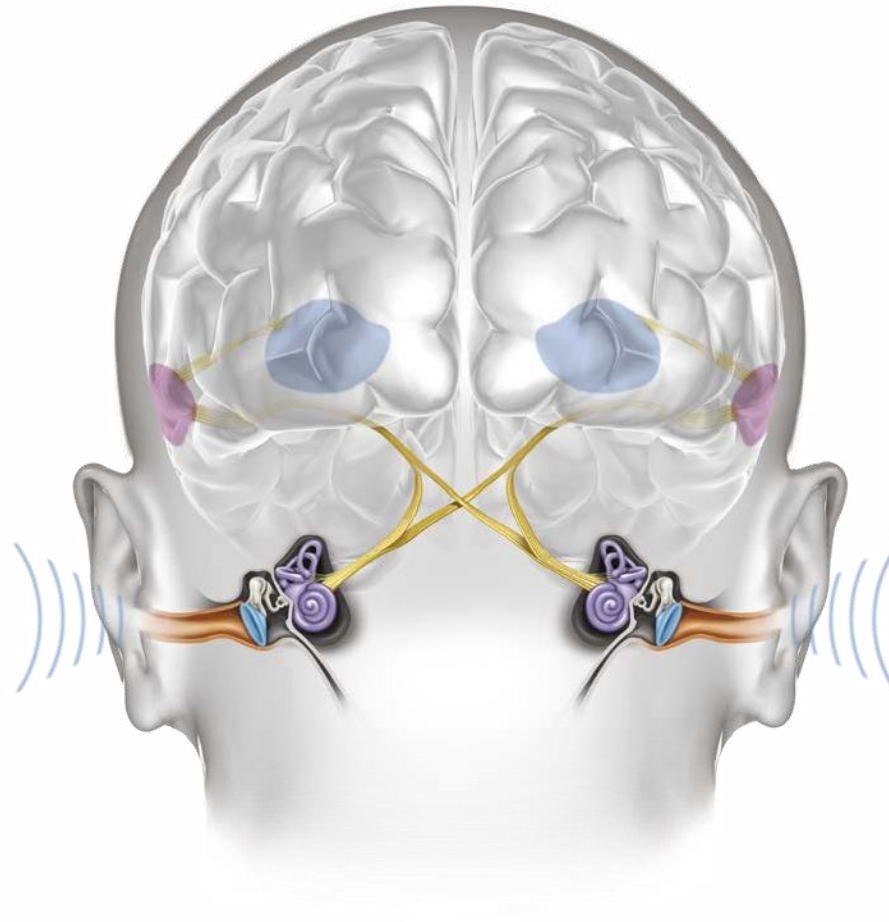
Fitting of
sound processor



2. Assessment and counselling



The brain's importance for hearing

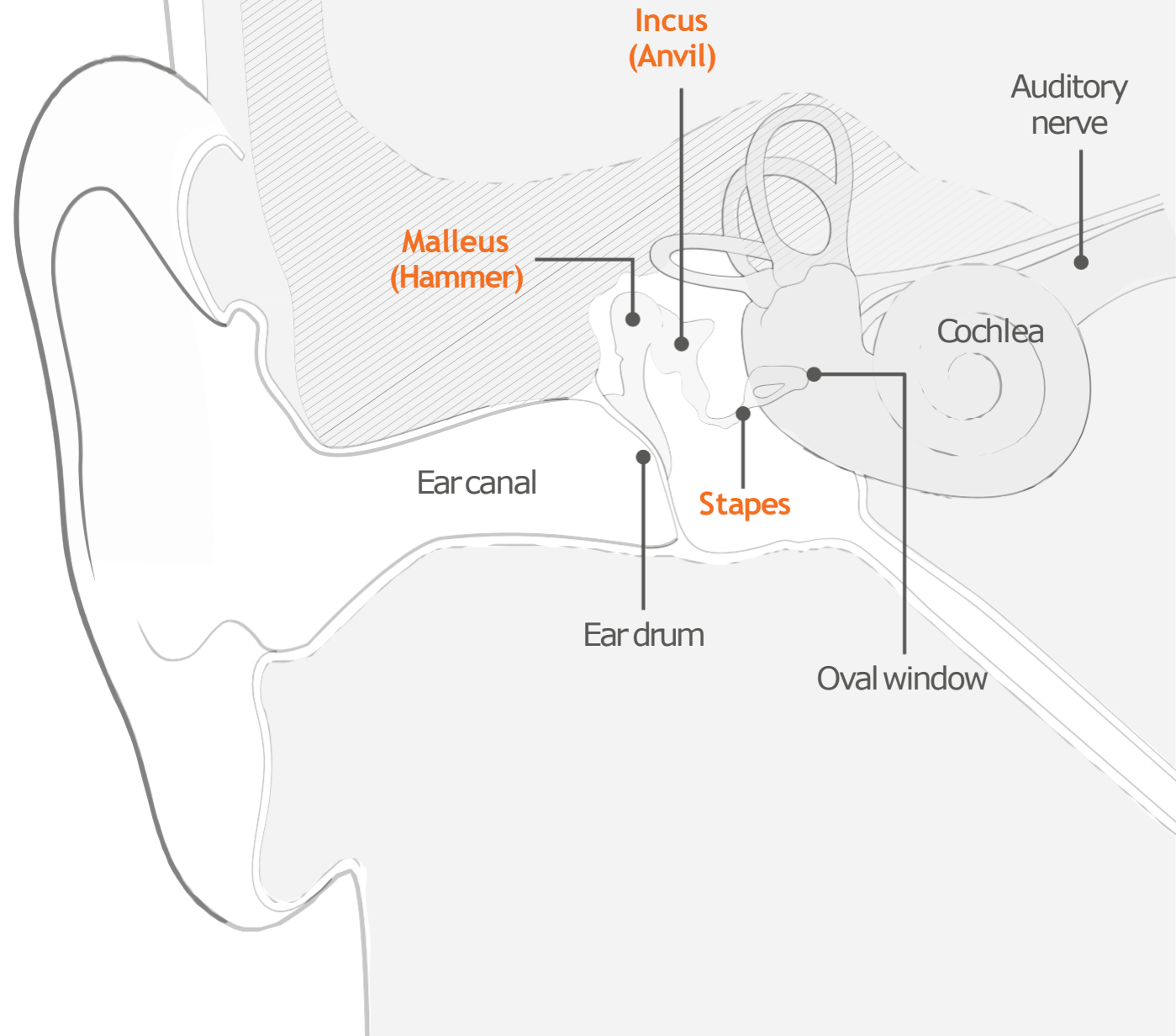


The importance of early stimuli of the brain



Based on illustration by Ludvig Landau, leg psychologist, Karolinska university hospital, Sweden.

The anatomy of the ear



Types of Hearing Loss

Conductive Hearing Loss

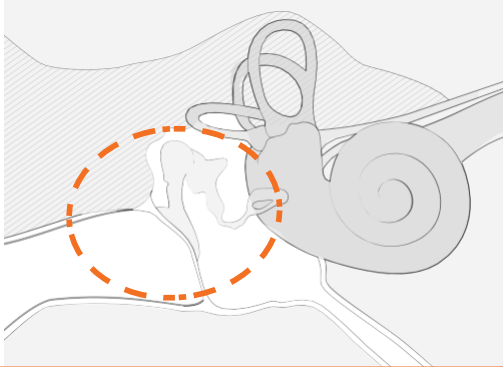
Bone conduction

Bone conduction

Bone conduction

Bone conduction

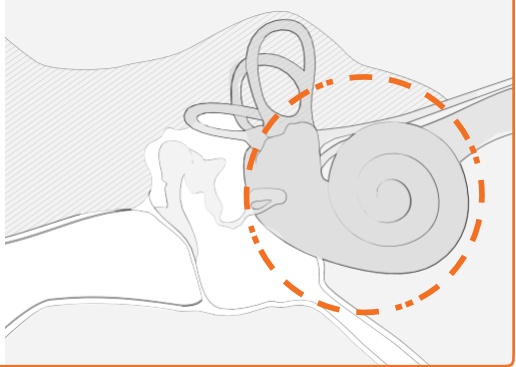
Bone conduction



Sensorineural Hearing Loss

Bone conduction

Bone conduction



Mixed Hearing Loss

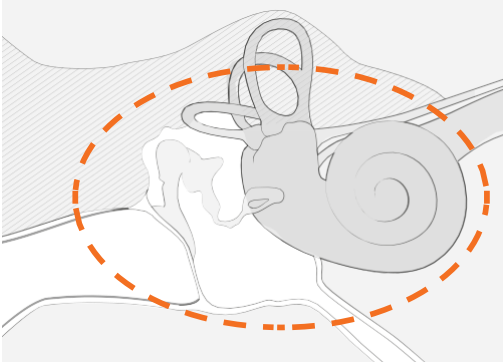
Bone conduction

Bone conduction

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Bone conduction

Bone conduction

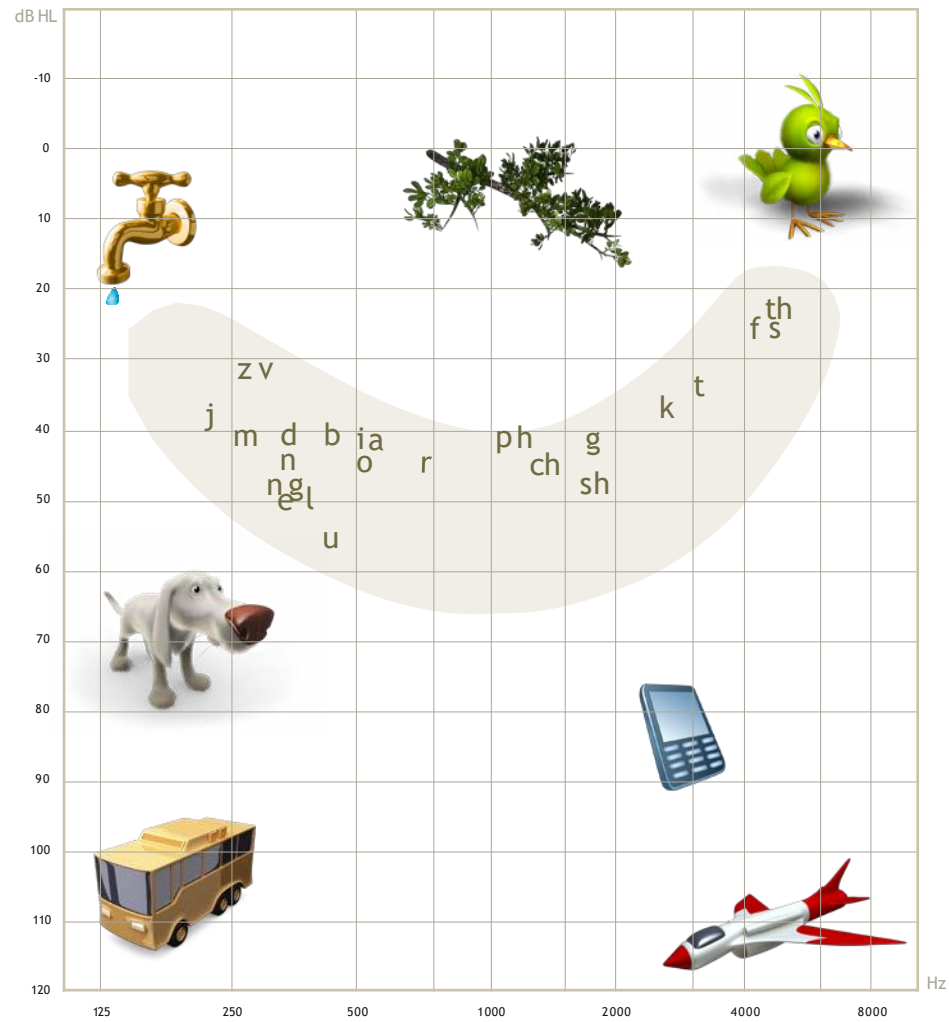


Single sided deafness(SSD)

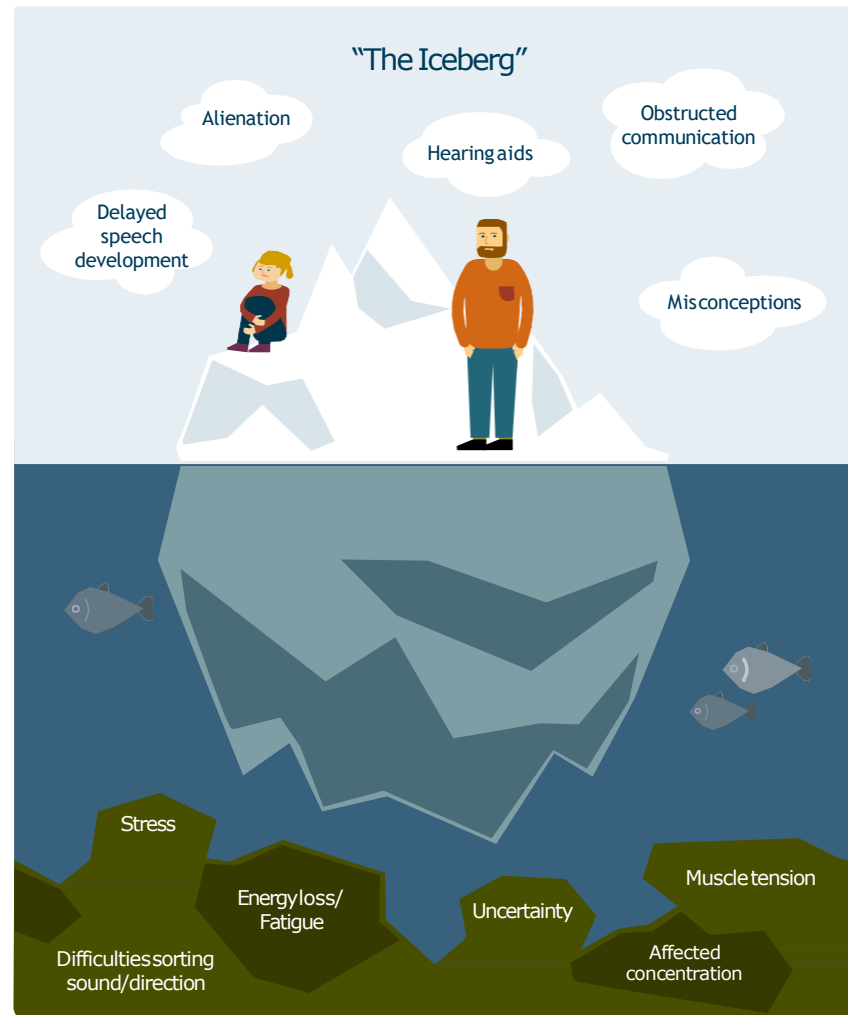
Bone conduction



Audiogram and "The Speech Banana"



Living with Hearing Loss



Based on illustration by Ludvig Landau, leg psychologist, Karolinska university hospital, Sweden.

The importance of hearing in everyday life

A hearing loss makes you tired – your energy is not enough for a whole day

Without hearing solution



With hearing solution



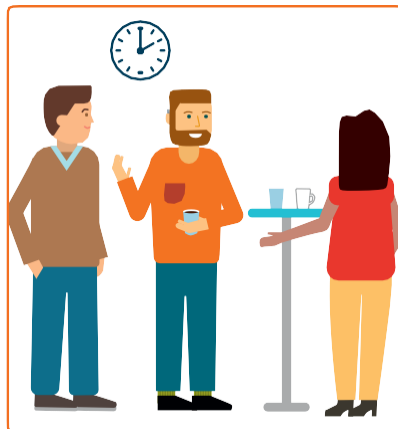
The importance of hearing in everyday life

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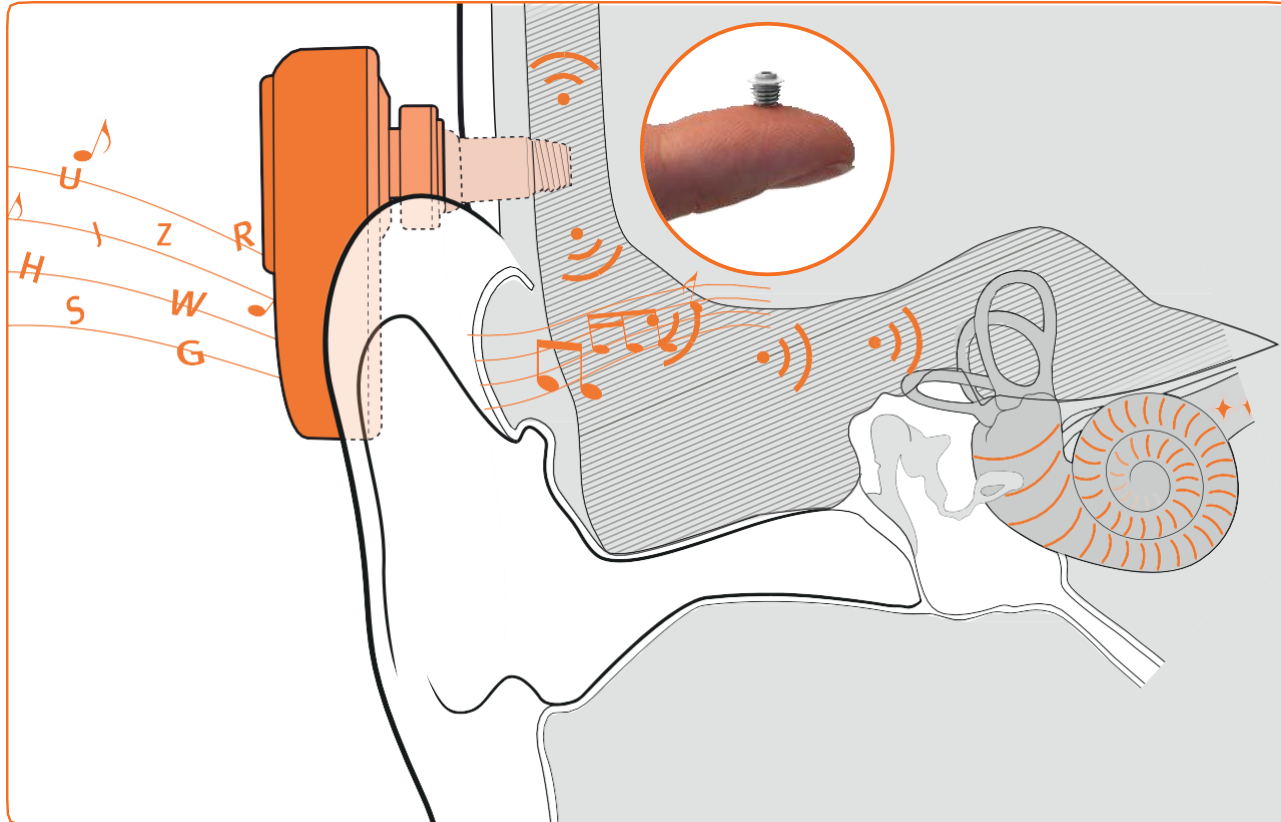
Without hearing solution



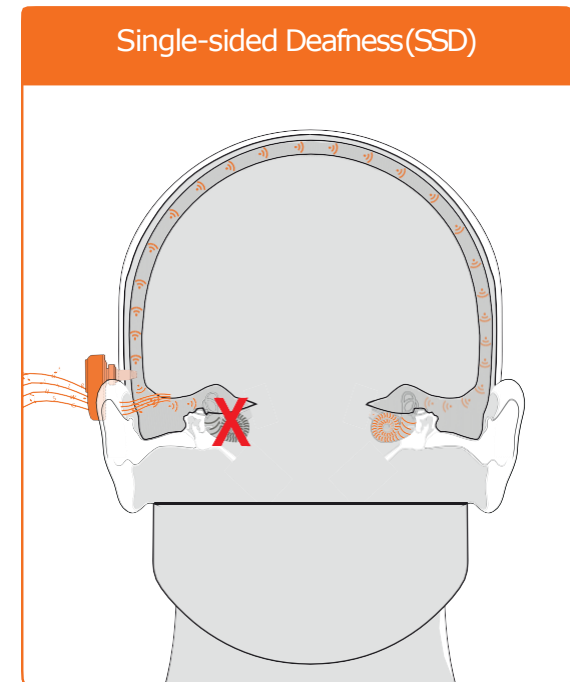
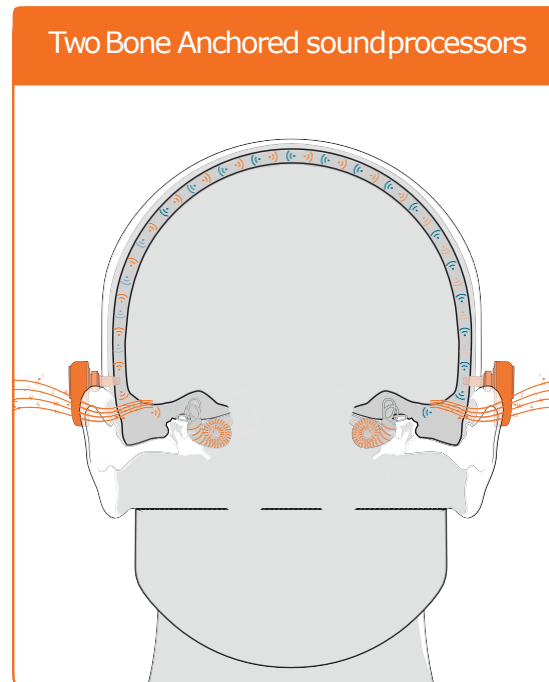
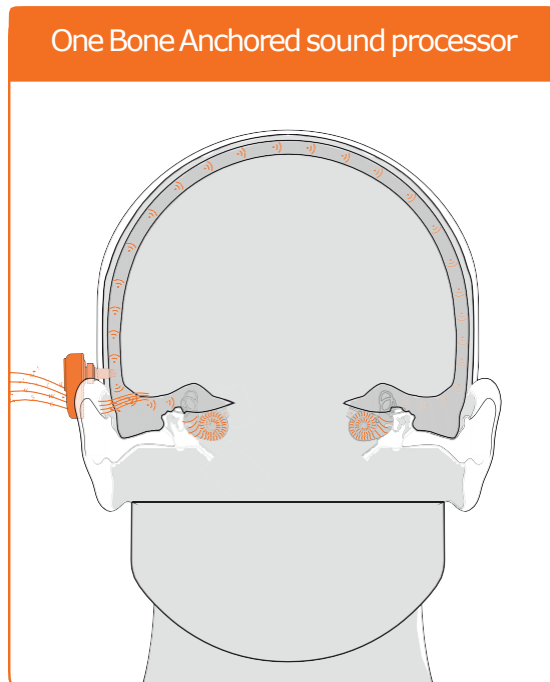
With hearing solution



Overview – A Bone Anchored Hearing System



Overview – A Bone Anchored Hearing System



3. Trial



3. Trial

Soft band and Test band

Soft band

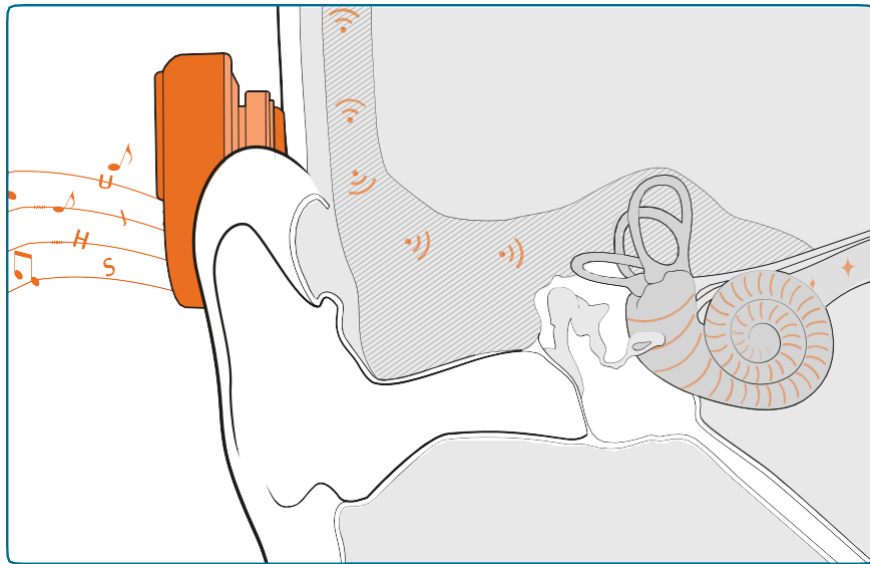


Test band

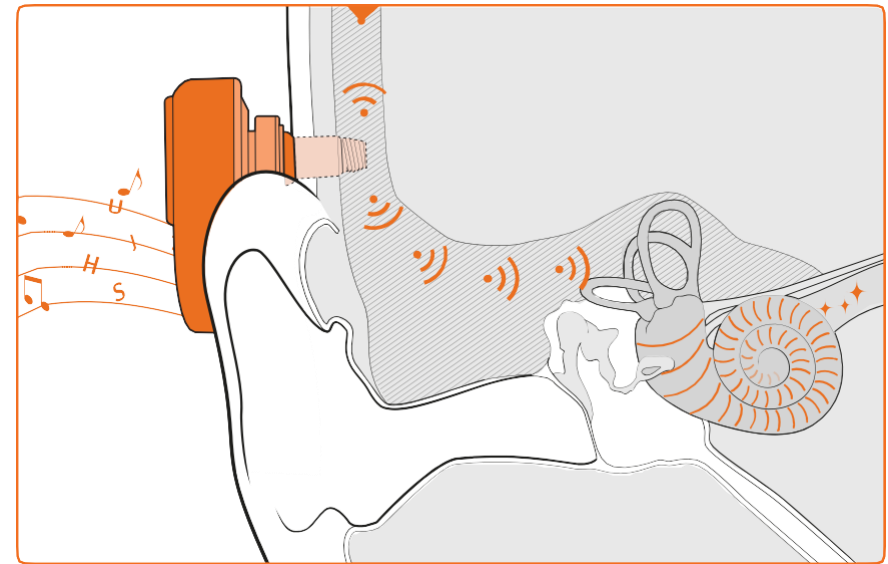


Sound Transmission

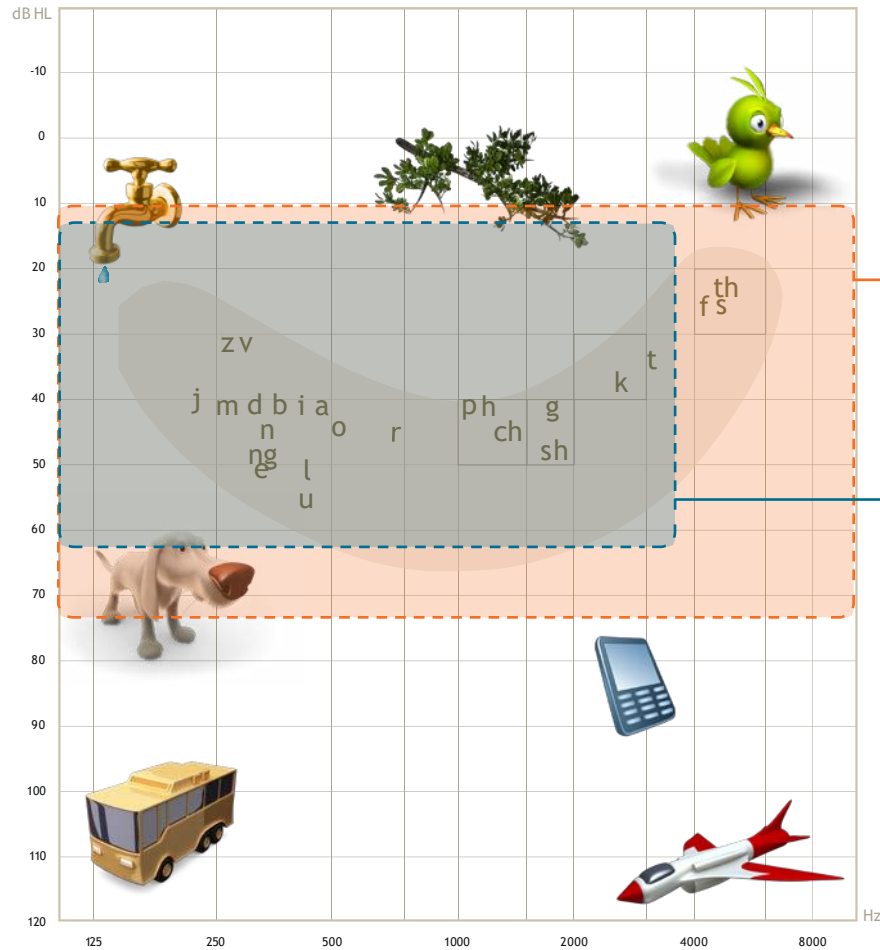
Trial – Skin Transmission



Implanted – Direct Sound Transmission



Soft band compared to implant



Ponto on implant



Ponto on soft band



Test in different, dynamic sound environments



Conversation with background noise



Outdoors



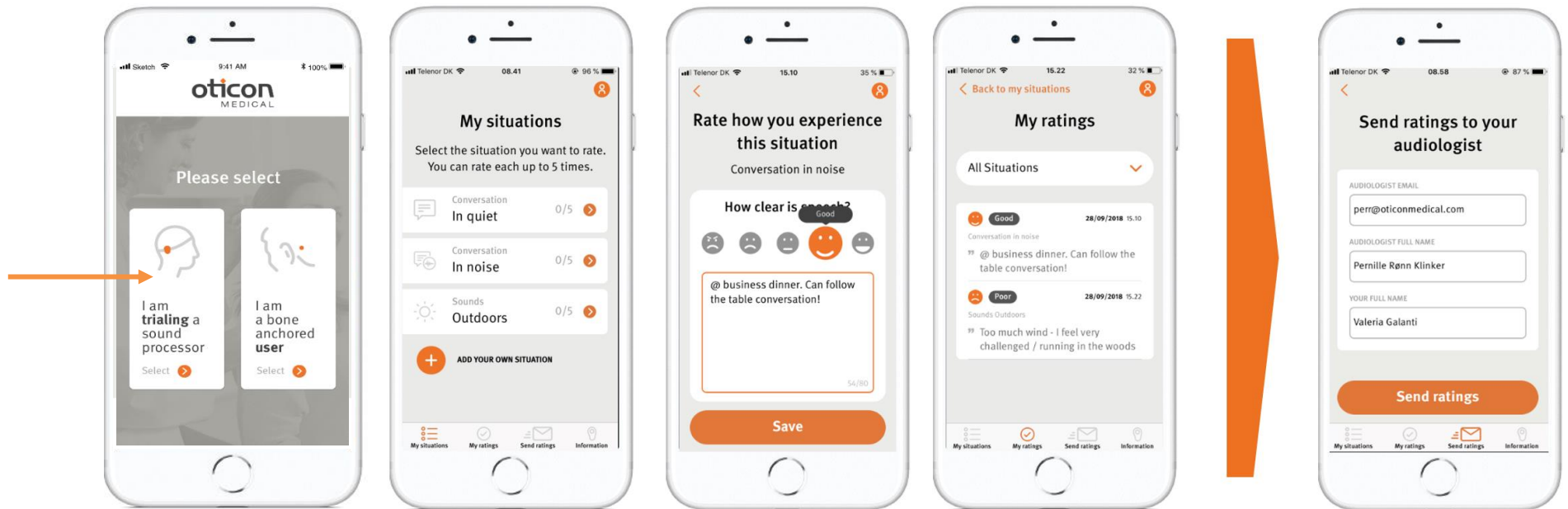
Conversation in quiet setting



Music



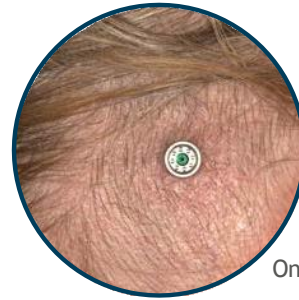
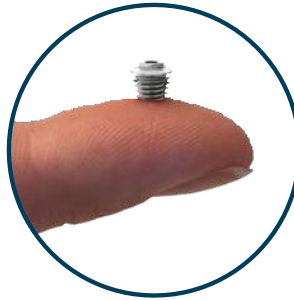
The Ponto Care App – Trial Side



4. Surgical procedure

A close-up portrait of a male surgeon in a light blue surgical cap and a white surgical mask. He is looking directly at the camera with a neutral expression. He is wearing light blue surgical scrubs. The background is a blurred operating room with several bright, circular surgical lights hanging from the ceiling. In the lower-left background, another surgeon in a blue cap and mask is visible, looking down. The overall scene is brightly lit and clinical.

The Surgery



One-week post op

Safe and predictable

30-60 Minutes

The procedure
cannot damage the
hearing!

Reversible

Children
General anaesthesia

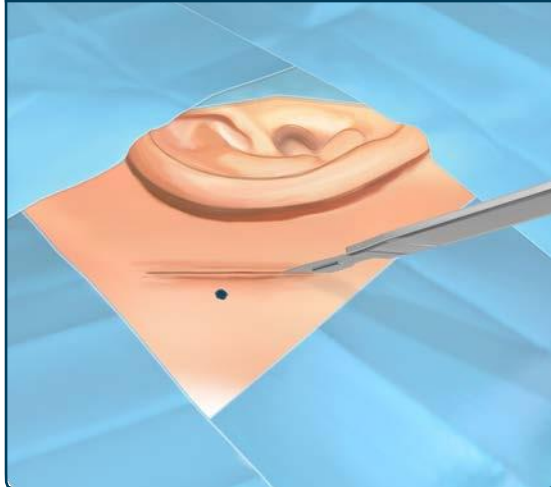
Can go home
the same day

Adults
Local anaesthesia

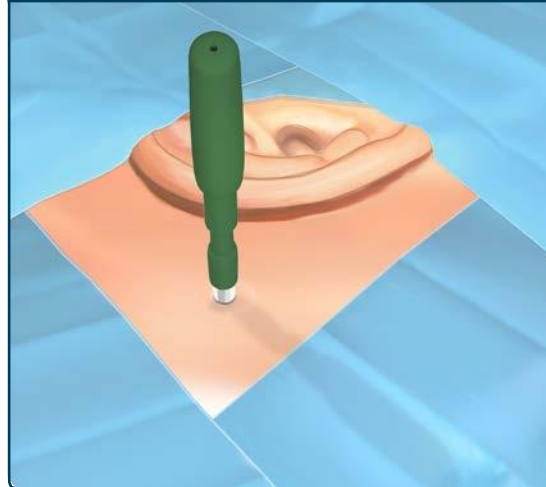
Can go home
the same day

Surgical methods

Linear incision



Minimally Invasive Ponto Surgery – MIPS



Healing Cap



5. Healing period



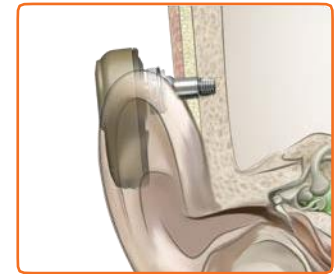
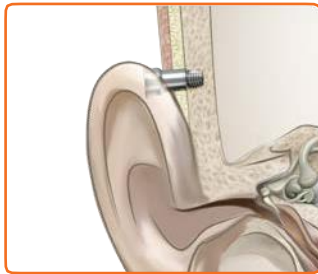
Post surgery

Bandage around
the head for
1-2 days

Avoid washing your
hair the first
few days!

(Any stitches are
removed after
one week)

Fitting of hearing
device



Surgery

Fitting

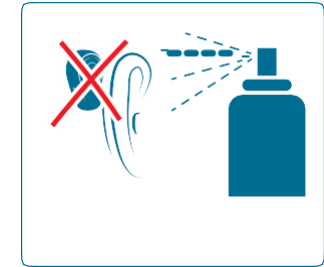
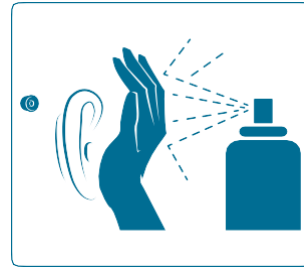
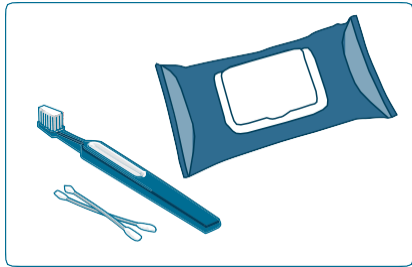
6. Fitting of sound processor



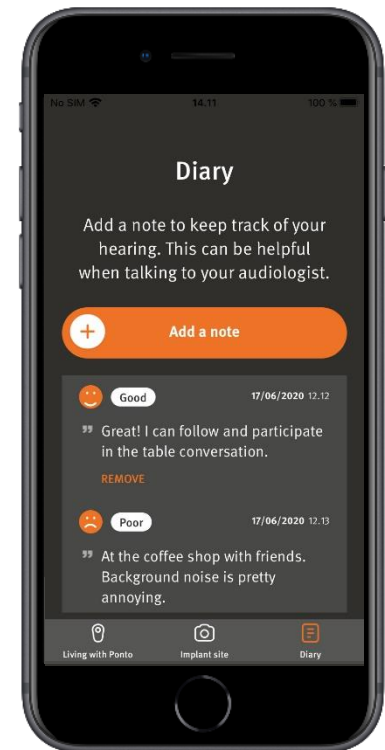
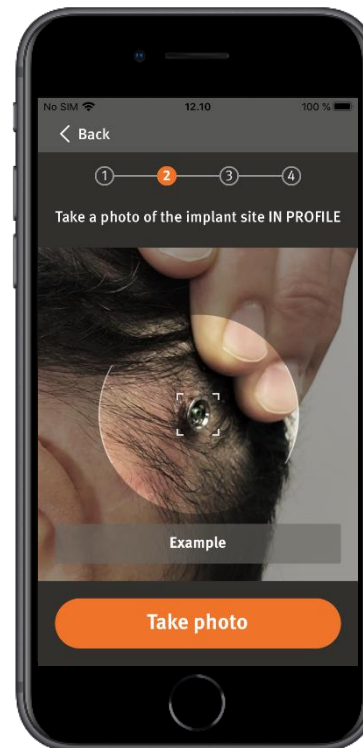
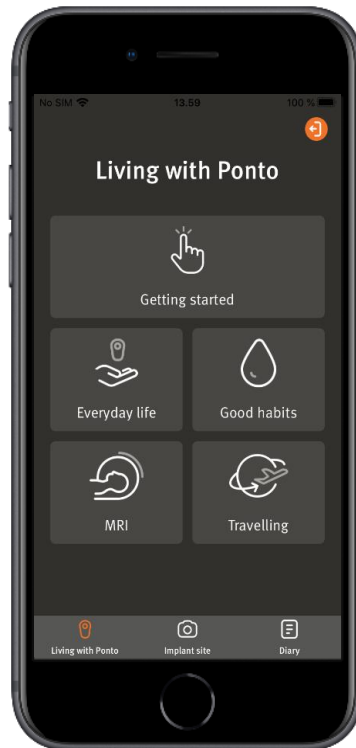
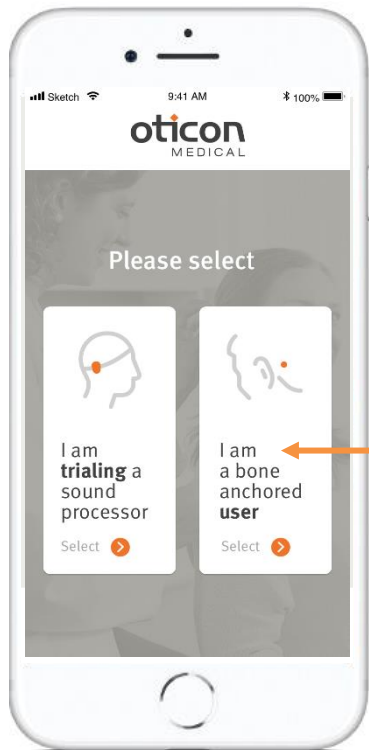
Fitting the sound processor – this is what it looks like



Cleaning and maintenance



The Ponto Care App – After Care



7. Advice for good communication

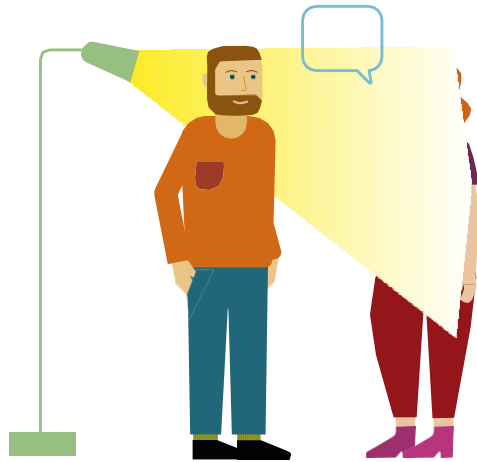


Advice for good communication

It's important that you can both see and hear the one you are talking with



Place yourself so the light falls on your face, that makes it easier to read your facial movements



Make eye contact. Speak directly to the person with the hearing loss



Advice for good communication

Speak loud and clear
– and not too fast



Avoid covering your mouth.
Also avoid speaking with something
in your mouth



Speak one at a time



Advice for good communication

Repeat or use other words to avoid misunderstandings



Avoid background noise



Strive for keeping conversations at eye level





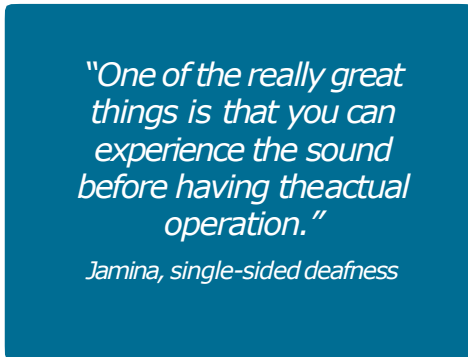
"I no longer have to make sure that the person speaking to me is on my 'good side', because now, I don't have a 'bad side'!"

Kevin, single-sided deafness



"With the sound processor, I ask a lot more questions in class, because now I can hear the teachers."

James, Conductive hearing loss (and bilateral microtia)



"One of the really great things is that you can experience the sound before having the actual operation."

Jamina, single-sided deafness



*Davin's mother:
"When Davin first got his Pontos, he immediately noticed the sounds of the tyres on the road when driving home".*

Davin, bilateral microtia and atresia



Original version developed by Oticon Medical Sweden in collaboration with counselling group (leg. audilogs)

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