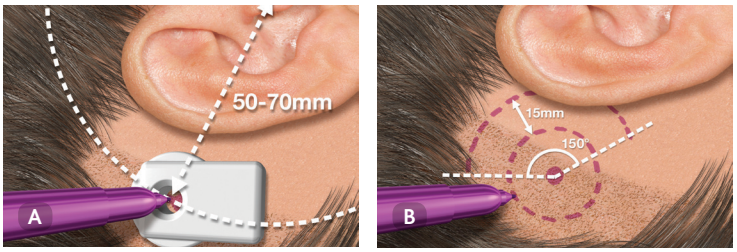
Cochlear™ Baha® Attract System

Surgery Quick Guide

BI300 Implants & BIM400 Implant Magnet

STEP 1 Prepare the site

Before surgery: Prepare the patient as for any surgical procedure, i.e. sterilize the incision area. General anesthesia is recommended.

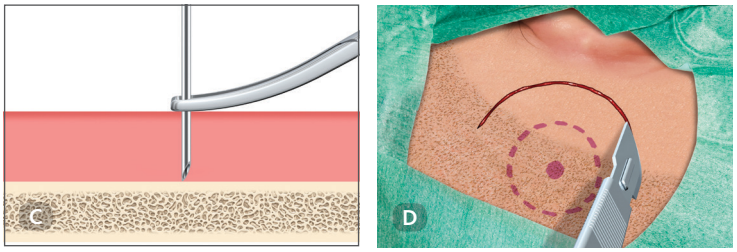


A • Identify the implant site with the Indicator for Baha Attract. It is usually 50-70 mm from the ear canal, and the superior edge of the processor should be in line with the top of the pinna. Ensure the sound processor does not touch the pinna.

B • Mark the C-shaped incision anterior of the position of the magnet, at least 15 mm from the edge of the magnet. The length of the incision can be extended for easier access.

C • Before local anesthesia is injected, measure the soft tissue thickness in three positions (anterior magnet edge, middle of magnet, posterior magnet edge). Ensure not to depress the tissue when measuring. If the soft tissue is thicker than 6 mm, soft tissue reduction is required. Inject local anesthesia around the implant site.

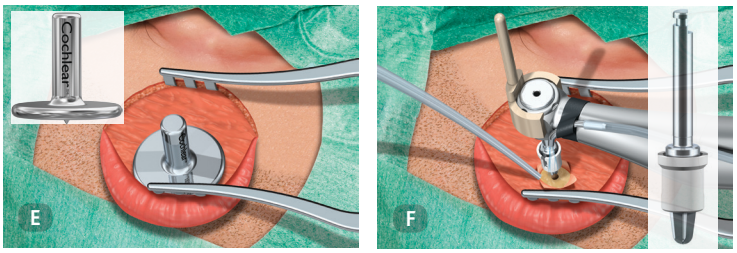
STEP 2 Make the incision



D • Use a scalpel to make an incision down to the periosteum. Retract soft tissue posteriorly and superiorly via blunt dissection. The temporalis is retracted superiorly down to the periosteum.

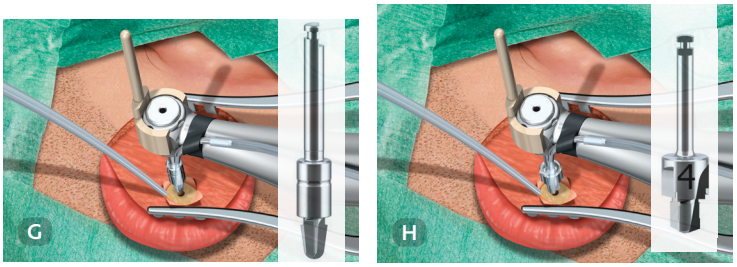
E • Open up the incision using self-retaining retractors. Place the Implant magnet template on the periosteum to ensure good positioning of the implant magnet in relation to the incision and the bone. Mark the selected position of the implant on the periosteum with a pen or the sharp tip on the Implant magnet template.

- Make a cruciate incision (6 mm square) in the periosteum to expose enough bone for the implant flange. Raise the edges with the raspatorium.



STEP 3 Drill with the guide drill

Be certain to drill at an angle perpendicular to the bone surface. The drill indicator verifies correct drill orientation.



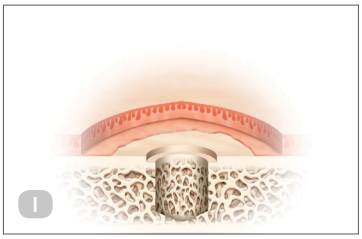
F • Begin drilling with the guide drill with 3 mm spacer (2000 rpm). Ensure there is abundant irrigation during all drilling procedures.

- Move the burr up and down to ensure visual inspection and that coolant reaches the tip of the drill.
- Check the bottom of the hole repeatedly for bone.

G • If there is adequate bone thickness, remove the white spacer and continue drilling to a depth of 4 mm.

STEP 4 Drill with the widening drill

Be certain to drill at an angle perpendicular to the bone surface.



H • Widen the hole with the relevant widening drill, 3 or 4 mm (2000 rpm). Ensure abundant irrigation during all drilling procedures.

I • Move the widening drill up and down during drilling to ensure that coolant reaches the tip of the drill.

- Create a small countersink in the bone. The widening drill is designed to allow early detection when countersinking is complete.

** The Cochlear Baha Attract System consists of: Cochlear Baha BI300 Implant, Cochlear Baha BIM400 Implant Magnet, Cochlear Baha Sound Processor Magnet, Cochlear Baha Sound Processor*

STEP 5 Place the implant

J • Change the drill program to a low-speed setting and select the correct torque according to the bone quality. Pick up the implant using the Implant inserter.

K • Place the implant without irrigation until the first threads of the implant are inserted in the bone. Once the first threads of the implant are in the bone, continue with irrigation.

L • Place the bone bed indicator on the implant and gently hand tighten it to the implant threads by turning the top knob. Make sure that it is properly tightened. Rotate it clockwise to ensure it does not touch the bone. This will allow sufficient clearance for the correct mounting of the Implant magnet.

M • If the bone bed indicator touches soft tissue, remove the tissue. If the bone bed indicator touches bone, remove excessive bone, by exposing the bone in that area. Polish the bone using a standard otological high-speed drill. Check repeatedly that sufficient bone has been removed using the bone bed indicator.

• When sufficient bone has been removed, put the periosteum back over the area and, if necessary, suture it in place.

STEP 6 Attach the implant magnet

N • Pick up the implant magnet and place it in the conical connection of the implant. Verify the internal screw is protruding over the magnet surface before tightening the screw with the screwdriver. This will ensure a proper connection. Make sure the arrow on the Implant magnet is orientated towards the top of the patient's head. Hand tighten the screw with the Unigrip screwdriver, while holding the magnet with your fingers.

O • Continue to tighten to 25 Ncm with the Machine screwdriver Unigrip and the Multi wrench with ISO adapter, while holding the magnet with your fingers.

P • Evaluate the thickness of the flap using the Soft tissue gauge. Always move the gauge sideways over the entire flap. Do not compress the flap. It should fit loosely in the soft tissue gauge to verify correct tissue thickness.

NOTE: *If local anesthesia has been infiltrated in the soft tissue, this can increase the flap thickness and affect the results when the thickness of the flap is measured.*

Q • If the skin flap is thicker than 6 mm, carefully thin the flap until it fits loosely in the Soft tissue gauge.

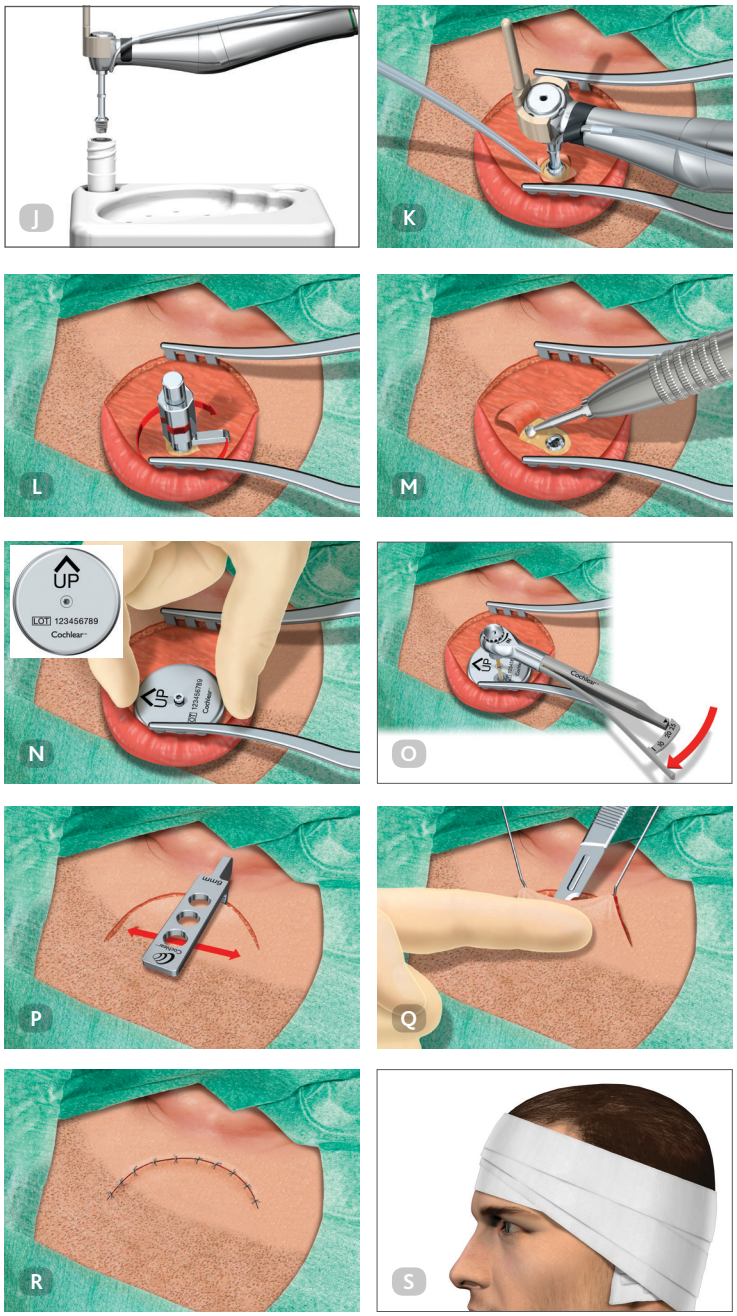
STEP 7 Close and suture

R • Place the flap over the Implant magnet and suture. Be sure to suture the deep layer to the periosteum, or suture the skin to the periosteum and back to the skin. Do not suture over the Implant magnet where pressure will later be applied.

S • Apply a pressure dressing over the wound for 24-48 hours.

NOTES: *Do not remove the sutures before the incision is sufficiently healed.*

Do not fit the Sound Processor Magnet before the wound is sufficiently healed.



www.Cochlear.com/US

Cochlear Americas
13059 East Peakview Avenue
Centennial, CO 80111 USA
Telephone: 1 303 790 9010
Support: 1 800 483 3123

Cochlear Canada Inc.
2500-120 Adelaide Street West
Toronto, ON M5H 1T1 Canada
Telephone: 1 416 972 5082
Fax: 1 416 972 5083

Not everyone with hearing loss is a candidate for a Baha. All surgical procedures include an element of risk, and it is impossible to guarantee success. For complete information regarding the risks and benefits of a Baha procedure, please refer to the Instructions for use for the Baha implant available at **www.Cochlear.com/US/BahaIndications**

©Cochlear Limited 2016. All rights reserved. Hear now. And always and other trademarks and registered trademarks are the property of Cochlear Limited or Cochlear Bone Anchored Solutions AB. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

BUN227 ISS3 JAN16

Hear now. And always

Cochlear®