

Radiographer's instructions

MRI for Baha[®] and Vistafix[®] patients

Cochlear™ Baha[®] and Vistafix[®] implants offer patients a high level of MRI safety. However, some straightforward precautions must be followed by the radiographer. Please read this leaflet carefully. For more information, contact your local Cochlear representative (see addresses below). If required the implant surgeon, Baha audiologist or Vistafix anaplastologist/prosthetist can also provide information.

PRECAUTIONS

Baha sound processor

As long as the Baha sound processor (see figure) is removed for the MRI procedure, a patient fitted with the Baha system may be exposed to an MRI examination. The implant itself and the abutment are not ferromagnetic and will not cause any damage to the patient during an MRI up to 3 Tesla.^{1,2}

Vistafix prosthesis

Patients fitted with facial or auricular prosthesis can undergo an MRI examination, up to 3 Tesla, as long as the following components are removed for the procedure:

- prosthesis and bar constructions
- any fixation magnets, magnabutments or magnacaps attached to the implants

Removing these will eliminate the risk of implant loss. Titanium abutments may be left in place.

IMAGE ARTIFACT (SHADOWING)

The resulting artifacts from MRI with a Baha or Vistafix titanium implant and abutment are minor.^{1,2}

References:

1. Fritsch MH, Naumann IC, Mosier, KM. Baha devices and Magnetic Resonance Imaging Scanners., *Otology & Neurotology*; 2008, Dec;29(8):1095–9.
2. Arndt S, Kromeier J, Berlis A, Maier W, Laszig R, Aschendorff, A. Imaging procedures after boneanchored hearing aid, implantation. *Laryngoscope*; 2007, Oct;117(10):1815–8

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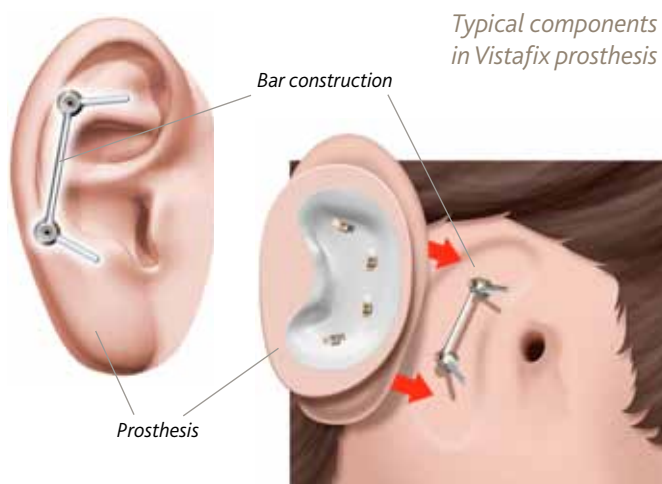
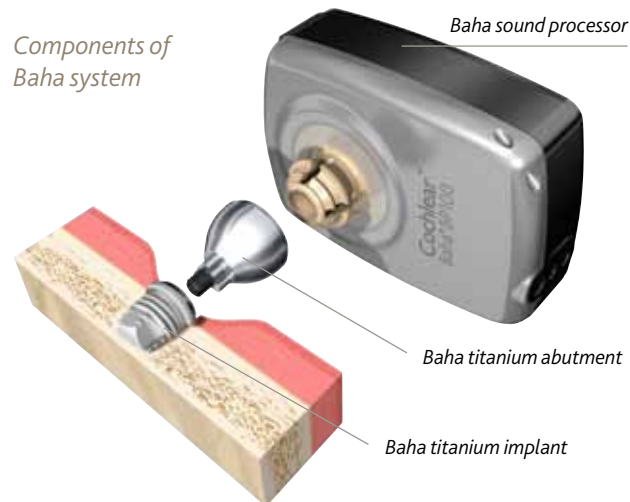
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