

MRI Checklist for MED-EL Passive Middle Ear Implant

This document contains MRI safety information for the following passive middle ear implants:

Tympanoplasty prostheses:

mXACT partial prosthesis
mXACT PRO partial prosthesis
mXACT total prosthesis offcenter
mXACT PRO total prosthesis
mXACT total prosthesis center
mCLIP partial prosthesis
mCLIP ARC partial prosthesis

Stapesplasty prostheses:

mAXIS stapes prosthesis
mLOOP stapes prosthesis
mZAM stapes prosthesis
mFIX stapes prosthesis

If the conditions or instructions herein are NOT followed, INJURY to the patient and/or DAMAGE to the prosthesis may result!

→ VALID for all body regions

In case of additional implants, e.g. a hearing implant in the other ear:

MRI safety guidelines for this implant need to be considered in addition.

The MED-EL passive middle ear implant is MR Conditional.



GENERAL CONDITIONS

→ PERMITTED STATIC MAGNETIC FIELD STRENGTH up to 7 T

PREPARATION

• **IMPLANT CARD**

Ask patient for Implant Card to check implant type.

OK

• **IMAGE ARTEFACT**

Is accurate diagnostic possible even with the expected image artefact (approximately 4.59 mm around the implant)?

YES → continue (next bullet point)

NO → consider MARS sequences, alternative imaging technologies

• **AUDITORY SENSATIONS**

Inform the patient about possible auditory sensations during the examination.

OK

NOTE: The likelihood and intensity of auditory sensations can be reduced by selecting sequences with a lower Specific Absorption Rate (SAR) and slower gradient slew rates. May also be reduced by putting on noise protection headphones.

• **HEAD ORIENTATION**

No restrictions

OK

EXECUTION

If all conditions or instructions herein are followed, the patient can safely undergo MRI examination.

Please also refer to the webpage www.medel.com/isi/isi-pmei/

Help and assistance are always available from your local office. Please visit us at www.medel.com.

MED-EL Elektromedizinische Geräte GmbH
Fürstenweg 77a
6020 Innsbruck, Austria
office@medel.com