

## 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.

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.

☐ OK

#### • 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/](http://www.medel.com/isi/isi-pmei/)

Help and assistance are always available from your local office. Please visit us at [www.medel.com](http://www.medel.com).

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