

MRI Checklist for MED-EL Bone Conduction Implant BCI 602

If the conditions or instructions herein are NOT followed, **INJURY** to the patient and/or **DAMAGE** to the implant 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 external components of the MED-EL Implant System (audio processor and accessories) are MR Unsafe and need to be removed prior to scanning.	
	The implant components of the MED-EL Implant System are MR Conditional.	

GENERAL CONDITIONS	
→ PERMITTED STATIC MAGNETIC FIELD STRENGTH	1.5 T
→ MAXIMUM PERMITTED SAR (at 1.5 T)	NORMAL OPERATING MODE 3.2W/kg (Head), 2.0W/kg (Whole-Body)
PREPARATION	
<ul style="list-style-type: none"> ● USER IDENTIFICATION CARD Ask patient for User Identification Card to check implant type. <input type="radio"/> OK ● IMAGE ARTEFACT Is accurate diagnostic possible even with the expected image artefact (up to 15 cm around the implant) <input type="radio"/> YES → continue (next bullet point) <input type="radio"/> NO → consider MARS sequences, alternative imaging technologies ● AUDITORY SENSATIONS Inform the patient about possible auditory sensations during the examination. <input type="radio"/> OK <small>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.</small> ● HEAD ORIENTATION No restrictions <input type="radio"/> OK ● EXTERNAL COMPONENTS Remove audio processor and accessories before entering the scanner room. <input type="radio"/> OK ○ OPTIONAL: HEAD BANDAGE <i>A head bandage over the implant is not needed.</i> <input type="radio"/> OK 	
EXECUTION	
<ul style="list-style-type: none"> ● PATIENT POSITIONING <small>NOTE: When lower extremities are to be examined, it is recommended that patient's legs are positioned in the scanner first.</small> <input type="radio"/> OK ● OPERATING MODE Run sequences in "Normal Operating Mode" only. <input type="radio"/> OK <small>NOTE: Max. 3.2W/kg for Head scans, 2.0W/kg for Whole-Body scans</small> 	

Please also refer to the webpage www.medel.com/isi-BCI-602.

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

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