

MED-EL Hearing Implants

MRI Safety Status Overview



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Full MRI safety information is available in the MRI section of the Medical Procedures Manual for CI/ABI, the IFU for Vibrating Ossicular Prosthesis and Bone Conduction Implant or at www.medel.com/isi

IMPLANT CATEGORY	PRODUCT	MRI STATUS	STATIC MAGNETIC FIELD	RF COIL	MAXIMUM SAR	PATIENT/HEAD POSITION	HEAD BANDAGE REQUIREMENT	MAGNET REMOVABLE (In order to reduce image artifacts)	OTHER ELIGIBILITY CRITERIA	
COCHLEAR IMPLANTS	Mi1200 SYNCHRONY Mi1200 SYNCHRONY PIN Mi1210 SYNCHRONY ST Mi1250 SYNCHRONY 2 Mi1250 SYNCHRONY 2 PIN	MR Conditional	0.2T	Transmit: No restrictions Receive: No restrictions	Normal Operating Mode (Head SAR: 3.2W/kg, Body SAR: 2.0W/kg)	no specific orientation is required	optional	yes	Before entering the scanner room, all external components of the implant system must be removed.	www.medel.com/isi-cochlear-implant-systems
			1.0T 1.5T			supine, prone or side position with the head kept straight (max. 30° head tilting to the side)				
			3T			supine, prone or side position with the head kept straight (max. 30° head tilting to the side)				
	Mi1000 CONCERTO Mi1000 CONCERTO PIN SONATAr100	MR Conditional	0.2T	Transmit: No restrictions Receive: No restrictions	Normal Operating Mode (Head SAR: 3.2W/kg, Body SAR: 2.0W/kg)	no specific orientation is required	Elastic bandage wrapped around the head at least 3 times	no	Before entering the scanner room, all external components of the implant system must be removed.	
			1.0T 1.5T			supine, prone or side position with the head kept straight				
			0.2T			no specific orientation is required				
PULSARc100 C40+ C40	MR Conditional	0.2T	Transmit: No restrictions Receive: No restrictions	Normal Operating Mode (Head SAR: 3.2W/kg, Body SAR: 2.0W/kg)	no specific orientation is required	Elastic bandage wrapped around the head at least 3 times	no	MRI scan not earlier than 6 months post implantation. Bone thickness underneath the implant at least 0.4 mm. The implant must not be mechanically damaged. Before patients enter any MRI room, all external components of the implant system must be removed.		
		1.0T 1.5T			supine, prone or side position with the head kept straight					
AUDITORY BRAINSTEM IMPLANTS	Mi1200 SYNCHRONY ABI Mi1200 SYNCHRONY PIN ABI	MR Conditional	0.2T	Transmit: No restrictions Receive: No restrictions	Normal Operating Mode (Head SAR: 3.2W/kg, Body SAR: 2.0W/kg)	no specific orientation is required	no	yes	Before entering the scanner room, all external components of the implant system must be removed.	www.medel.com/isi-cochlear-implant-systems
			1.0T 1.5T			supine, prone or side position with the head kept straight (max. 30° head tilting to the side)				
			0.2T			no specific orientation is required				
	Mi1000 CONCERTO ABI Mi1000 CONCERTO PIN ABI	MR Conditional	0.2T	Transmit: No restrictions Receive: No restrictions	Normal Operating Mode (Head SAR: 3.2W/kg, Body SAR: 2.0W/kg)	no specific orientation is required	Elastic bandage wrapped around the head at least 3 times	no	Before entering the scanner room, all external components of the implant system must be removed.	
			1.0T 1.5T			supine, prone or side position with the head kept straight				
			0.2T			no specific orientation is required				
PULSARc100 ABI C40+ ABI	MR Conditional	0.2T	Transmit: No restrictions Receive: No restrictions	Normal Operating Mode (Head SAR: 3.2W/kg, Body SAR: 2.0W/kg)	no specific orientation is required	Elastic bandage wrapped around the head at least 3 times	no	MRI scan not earlier than 6 months post implantation. Bone thickness underneath the implant at least 0.4 mm. The implant must not be mechanically damaged. Before entering the scanner room, all external components of the implant system must be removed.		
		1.0T 1.5T			supine, prone or side position with the head kept straight					
MIDDLE EAR IMPLANTS	VIBRANT SOUNDBRIDGE Vibrating Ossicular Prosthesis (VORP 503)	MR Conditional	1.5T closed-bore	Transmit: Local head and neck coils must not be used. Receive: No restrictions	Normal Operating Mode (Head SAR: 3.2W/kg, Body SAR: 2.0W/kg)	straight head orientation	no	no	Before entering the scanner room, all external components of the implant system must be removed.	www.medel.com/isi-vorp-503
	VIBRANT SOUNDBRIDGE Vibrating Ossicular Prosthesis (VORP 502x)	MR Unsafe	n/a	n/a	n/a	n/a	n/a	n/a	Patients implanted with the VORP 502 should not be subjected to MRI, and should not enter an MRI Suite or come into close proximity to other sources of strong magnetic fields.	www.medel.com/isi-vorp-502
BONE CONDUCTION IMPLANTS	BONEBRIDGE Bone Conduction Implant (BCI 601)	MR Conditional	≤1.5T	No restrictions	No restrictions	No restrictions	no	no	Before patients enter any MRI room, all external components of the implant system must be removed.	www.medel.com/isi-bci-601
	BONEBRIDGE Bone Conduction Implant (BCI 602)	MR Conditional	1.5T closed-bore	No restrictions	Normal Operating Mode (Head SAR: 3.2W/kg, Body SAR: 2.0W/kg)	No restrictions	no	no	Before patients enter any MRI room, all external components of the implant system must be removed.	www.medel.com/isi-bci-602