



Magnetic Resonance Imaging Conditions For BX SONIC™ Stents

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The Magnetic Resonance Imaging (MRI) information below pertains to the BX SONIC™ and BX SONIC™ with HEPACOAT™ Balloon Expandable Stents (referred as “SONIC Stents” herein).



Patients with an implanted SONIC Stent (built on the same steel stent platform as the Cordis PALMAZ™ Balloon Expandable Stent) may be safely scanned under the MRI conditions listed below. Parameters not listed have no associated scanning restrictions. Adherence to these guidelines is necessary to ensure patient safety.

Name/identification of device Cordis	BX SONIC Balloon Expandable System and BX SONIC with HEPACOAT Balloon Expandable System
Nominal values of static magnetic field (t)	1.5 T and 3.0 T
Maximum spatial field gradient (T/m) and (Gauss/cm)	16 T/m (1600 Gauss/cm)
RF excitation	Circularly polarized (CP)
RF transmit coil type	Whole body transmit coil, Head RF transmit-receive coil
RF receive coil type	Any receive only coil may be used
Maximum whole-body SAR (W/kg)	2.0 W/kg
Limits on scan duration	15 minutes of continuous RF (a sequence or back-to-back series/scan without breaks) followed by await time of 10 minutes if this limit is reached.
MR image artifact	The presence of this implant produces an image artifact of approximately 12 mm, when a gradient echo pulse sequence on a 3.0 T MRI system is used.
Non-clinical testing has demonstrated PALMAZ Stents, and thus SONIC Stents, are MRI Conditional in single and overlapped configurations up to a maximum of 154 mm as defined in ASTM F2503-13.	

ADDITIONAL INFORMATION

Non-clinical testing has shown implanted PALMAZ Stents and thus SONIC Stents to be safe in 1.5T and 3T MRI environments. MRI at 1.5T or 3T may be performed immediately post-implantation. SONIC Stents have not been evaluated at field strengths above 3T.

We appreciate your interest in SONIC Stents. If you require additional information, please feel free to contact Cordis Medical Information Center at CordisMedInfo@Cordis.com.

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