



Magnetic Resonance Imaging Conditions For PRECISE™ Nitinol Stent Systems

August 2025

The Magnetic Resonance Imaging (MRI) information below pertains to the PRECISE™, PRECISE™ RX and PRECISE PRO RX™ Nitinol Stent Systems (referred as “PRECISE Stent” herein).



Patients with an implanted PRECISE 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	PRECISE Nitinol Stent System, PRECISE RX Nitinol Stent System and PRECISE PRO RX Nitinol Stent System
Nominal values of static magnetic field (t)	1.5 T and 3.0 T
Maximum spatial field gradient (T/m) and (Gauss/cm)	40 T/m (4000 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 16 mm, when a gradient echo pulse sequence on a 3.0 T MRI system is used.
Non-clinical testing has demonstrated PRECISE Stents are MRI Conditional in single and overlapped configurations up to a maximum of 60 mm as defined in ASTM F2503-13.	

ADDITIONAL INFORMATION

Non-clinical testing confirms that implanted PRECISE Stents, including two overlapping 8 mm x 150 mm configurations, demonstrate minimal magnetic interaction (torque and translational force) in 1.5T and 3T MRI environments (Philips Intera 3T system). These forces were less than those experienced during typical daily activity. MRI at 1.5T or 3T may be performed immediately post-implantation. PRECISE Stents have not been evaluated at field strengths above 3T.

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

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