# Product Data Sheet: MRI Compatibility

**iCast covered stent system**

**MRI Compatibility[[1]](#footnote-1)**

Non-clinical MRI testing has been performed on the iCast® covered stent system[[2]](#footnote-2). iCast covered stents are “MR Conditional” based on the conditions outlined below.

## MRI Safety Information

A patient with the iCast covered stent can be scanned safely, immediately after placement, in an MR system meeting the following conditions:

* Static magnetic field of 1.5 Tesla or 3 Tesla only
* Maximum spatial gradient magnetic field of 3,000 gauss/cm (30 T/m)
* Maximum MR system-reported, whole-body averaged specific absorption rate (SAR) of 2.0 W/Kg (Normal Operating Mode).

**MRI Related Heating**

Under the scan conditions defined above, the iCast covered stent is expected to produce a maximum temperature rise of 2.2**°**C after 15 minutes of continuous scanning.

**Artifact Information**

In non-clinical testing, the image artifact caused by the device extends approximately 15 mm from the iCast covered stent when imaged with a gradient echo pulse sequence and a 3.0 T MRI system. The lumen of the iCast covered stent cannot be visualized on the gradient echo or T1-weighted, spin echo pulse sequence.

1. Refer to instructions for use, AW009603-EN Rev AA • 2023-04, for complete product information. [↑](#footnote-ref-1)
2. The iCast covered stent system is indicated for improving luminal diameter in patients with symptomatic atherosclerotic disease of the native common and/or external iliac arteries up to 110 mm in length, with a reference vessel diameter of 5 to 10 mm. [↑](#footnote-ref-2)