

## Penumbra SMART COIL<sup>®</sup> MRI Information: MR Conditional

Non-clinical testing has demonstrated the Penumbra SMART COIL is **MR Conditional**. It can be scanned safely under the following conditions:

- Static magnetic field of 1.5 Tesla or 3 Tesla
- Spatial gradient field of 3,000 Gauss/cm or less (extrapolated)
- Normal operating mode only with a whole body averaged specific absorption rate (WBA SAR) of less than 2.0 W/kg and a head averaged SAR of less than 3.2 W/kg for 15 minutes of continuous scanning with the transmit body coil or the transmit head coil
- Non-clinical testing, using measurement and electromagnetic in-vivo simulation analyses, was performed to assess the in-vivo heating of the Penumbra SMART COIL. The Penumbra SMART COIL produced an estimated in-vivo temperature rise  $< 3^{\circ}\text{C}$  during 15 minutes of continuous MR scanning in the normal operating mode at a WBA SAR of 2.0 W/kg and a head averaged SAR of 3.2 W/kg. This temperature rise is conservative, as it does not include the cooling effects of blood flow.

**Penumbra SMART COIL® MRI Information: See back of card for more information.**

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Patient's Name

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Treating Physician

Phone Number

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Hospital Information

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Date of Treatment or Other Information

If you have any questions about MRI scans or Penumbra SMART COIL, contact your physician.

Penumbra 

[www.penumbrainc.com](http://www.penumbrainc.com)