

## **Ruby® Coil System MRI Information: MR Conditional**

Non-clinical testing has demonstrated the Ruby Coil System is MR Conditional. It can be safely scanned immediately after implantation under the following conditions:

- Static magnetic field of 1.5 T or 3 T
- Spatial gradient field of 3000 Gauss/cm (30 T/m) or less
- 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 a transmit body coil or a transmit head coil. Receive-only coils may be used in conjunction with transmit coils.

Non-clinical testing, using measurement and electromagnetic in-vivo simulation analyses, was performed to assess the in-vivo heating during MRI of the Penumbra coil arrays. The arrays 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 for 15 minutes of continuous MR scanning in cylindrical bore MR systems. This temperature rise is conservative, as it does not include the cooling effects of blood flow.

**Ruby® Coil System 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 Ruby Coil System, contact your physician.

Penumbra



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