

Penumbra Coil 400™ MRI Information: MR Conditional

Non-clinical testing has demonstrated the Penumbra 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.

Penumbra Coil 400™ MRI Information: See back of card for more information.

Patient's Name

Treating Physician

Phone Number

Hospital information

Date of treatment or other information

If you have any questions about MRI scans
or Penumbra Coil 400, contact your physician.

Penumbra



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