1/29/2008

TO: Physicians and Medical Professionals
FROM: Bruce Fleck, Sr. Product Manager IVC Filters
RE: MRI Compatibility of Cook IVC Filters

**Günther Tulip® Vena Cava Filter**

Non-clinical testing has demonstrated that the Günther Tulip Vena Cava Filter is MR Conditional. It can be scanned safely immediately after placement under the following conditions:

- Static magnetic field of 3.0 Tesla or less
- Spatial gradient field of 525 Gauss/cm or less
- Maximum whole body averaged specific absorption rate (SAR) of 3.0 W/kg for 15 minutes of scanning.

In non-clinical testing, the Günther Tulip Vena Cava Filter produced a temperature rise of less than 0.6 degrees C at a maximum whole body averaged specific absorption rate (SAR) of 3.0 W/kg for 15 minutes of MR scanning in a 3.0 Tesla MR system using a transmit/receive body coil (Excite, Software G3.0-052B, General Electric Healthcare, Milwaukee, WI) MR scanner.

MR image quality may be compromised if the area of interest is in the exact same area or relatively close to the position of the Günther Tulip Vena Cava Filter. Therefore, it may be necessary to optimize MR imaging parameters for the presence of this metallic implant.

**Celect® Vena Cava Filter**

Non-clinical testing has demonstrated that the Cook Celect Vena Cava Filter is MR Conditional. It can be scanned safely immediately after placement under the following conditions:

- Static magnetic field of 3.0 Tesla or less
- Spatial gradient field of 330 Gauss/cm or less
- Maximum whole body averaged specific absorption rate (SAR) of 2.0 W/kg for 15 minutes of scanning.

In non-clinical testing, the Cook Celect Vena Cava Filter produced a temperature rise of less than 0.2 degrees C at a maximum whole body averaged specific absorption rate (SAR) of 2.0 W/kg for 15 minutes of MR scanning in a 3.0 Tesla MR system using a transmit/receive body coil MR scanner. MR image quality may be compromised if the area of interest is in the exact same area or relatively close to the position of the Cook Celect Vena Cava Filter. Therefore, it may be necessary to optimize MR imaging parameters for the presence of this metallic implant.

**Birds Nest® Vena Cava Filter**

MRI-Safe: No additional risk to the patient, but may affect the quality of the diagnostic information if scanning in the area of the filter. MRI diagnostic procedures should be postponed for 6 weeks following filter implantation to assure device incorporation into the vessel wall.