

Aesculap® Yasargil® Permanent Titanium and Phynox® Aneurysm Clips



MRI-Related Heating

Under the scan conditions defined, the Yasargil® **Titanium** Aneurysm Clip is expected to produce a maximum temperature rise of +1.8°C after 15 minutes of continuous scanning. Under the scan conditions defined above, the Yasargil® **Phynox**® Aneurysm Clip is expected to produce a maximum temperature rise of +2.2°C after 15 minutes of continuous scanning.

These temperature changes will not pose a hazard to a human subject under the conditions indicated above.

The image artifact caused by the device extends approximately 5 mm from the Yasargil® Titanium Aneurysm Clip and 20 mm from the Yasargil® Phynox® Aneurysm Clip when imaged with a gradient echo pulse sequence and a 3-Tesla MR system (Excite, HDx, Software 14X, M5, General Electric Healthcare, Milwaukee, WI).

Patients should register the conditions under which the implant can be scanned safely with the MedicAlert Foundation (www.medicalert.org) or equivalent organization.

MRI SAFETY INFORMATION

 MR Conditional

The Yasargil® Titanium and Phynox® Aneurysm Clips are MR Conditional

Non-clinical testing demonstrated that the Yasargil® Aneurysm Clip is MR Conditional. A patient with this device can be safely scanned immediately after placement under the following conditions:

- Static magnetic field of 3-Tesla or less
- Titanium clip - Maximum spatial gradient magnetic field of 3000 Gauss / cm (30.0 T/m) or less
- Phynox® clip - Maximum spatial gradient magnetic field of 1,500-Gauss / cm (15.0 T/m) or less
- Maximum MR system reported, whole body averaged SAR of 4-W / kg (First Level Controlled Operating Mode)



MR Conditional Pictorial is for reference only.

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Yasargil is a registered trademark in the name of Aesculap AG.
Phynox is a registered trademark in the name of Aperam.

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