



MR Conditional

MRI Statement for Altomed Tantalum Markers

Non-clinical testing demonstrated that the Tantalum Marker (Item# A7199) is MR Conditional. A patient with this implant can be scanned safely under the following conditions:

- Static magnetic field of 1.5-Tesla and 3-Tesla, only
- Maximum spatial gradient magnetic field of 4,000-gauss/cm (40-T/m) (extrapolated)
- Maximum MR system reported, whole body averaged specific absorption rate (SAR) of 2-W/kg for 15 minutes of scanning (i.e., per pulse sequence) in the Normal Operating Mode

Under the scan conditions defined, the Tantalum Marker (REF: A7198S and A7199) is expected to produce a maximum temperature rise of 1.5°C after 15-minutes of continuous scanning (i.e., per pulse sequence).

Artefact Information

In non-clinical testing, the image artefact caused by the Tantalum Marker (REF: A7198S and A7199) extends approximately 3-mm from this implant when imaged using a gradient echo pulse sequence and a 3-Tesla MR system.