SUBJECT/TITLE: MRI IMAGING PROTOCOL FOR PATIENTS WITH IMPLANTED NEUROSTIMULATORS.

PURPOSE: To define a set protocol to safely image patients with an implanted neurostimulator.

DEFINITION: None

POLICY: MR Division of the Department of Radiology will develop protocols to image neurostimulators safely with a MRI machine.

PROCEDURE:
1. Patients with these devices will only be imaged during 800-1600 Monday - Friday. Patients with these devices will not be imaged on nights and weekends, unless it is deemed emergent by a staff radiologist and there are properly trained personnel to interrogate the device and perform the exam.

2. Must have documentation of device that is implanted.
   A. Must have documentation in Epic, or patient ID card of implanted device, or medical record from outside hospital.
   B. Certain devices must be verified by external clinician control device or patient programmer. If so this must be documented in Epic.

3. After it is determined that the device is safe to image device should be checked for broken leads if required.

4. Certain devices must be turned off or set to the MRI safe mode.

5. Prior to having the patient arrive in MRI:
   A. Verifying physician who is interrogating the device must put a note in Epic stating the leads have been checked if required and device has been set to the correct setting for the MRI procedure if required. Clinic must review MRI guidelines for device to ensure appropriate settings have been selected.

   B. Certain devices require the patient not have body temperature above 38 C or 100 F. This must be documented in Epic.
C. Patients under 88lbs may not be able to have MRI with certain devices.

6. Technologist will verify that proper documentation is completed in Epic.

7. Technologist will scan the implanted device per manufactures specifications. Technologist will review MRI guidelines prior to imaging the patient.

8. For non-condtional MRI devices a procedural consent form must signed by the patient and ordering physician and sent to MRI with the patient explaining the risks to the patient of having a MRI procedure with this device implanted.