

MAGNETIC RESONANCE IMAGING

Policy:

Throughout the program the student will be continuously instructed on Magnetic Resonance Imaging Safety. All students will complete mandatory hospital MRI Safety Training .

Before clinical training begins, an MRI Safety Officer will provide an in-service to all new students on the basics of magnetic resonance imaging safety. Following the completion of the In-Service, the document titled, "UNDERSTANDING THE MAGNETIC RESONANCE IMAGING ORIENTATION AND SCREENING" must be signed prior to entering the clinical setting. The in-service will include the basic principles of magnetic resonance imaging safety to include screening. It is the student's responsibility to inform the program in the event of any status change after the initial screening.

MRI Screening and Safety

Absolutely no persons, personal items or equipment may enter the MRI scan room without clearance by an MRI technologist.

Only students who have been properly screened by an MRI technologist will be allowed in the MRI scan room.

For all students, an assessment will be performed prior to the student's arrival in the MRI suite to include: weight, height, surgical history, prior studies, medical implants and metallic foreign bodies prior to their MRI scan. For students this initial assessment is done by the Magnetic Resonance Imaging Safety Officer.

- All jewelry, and any other metallic objects will be removed from the student and secured in a locked area prior to the student entering the MRI suite.
- Students are further screened by the MR technologist the 1st day of their clinical rotation, verbally with a review of their screening form. as well as in writing for MRI safety and documented on the Technologist Modality Worksheet.
- All screening paperwork will be stored in the student's file in the program office as well as a copy of the paperwork to be carried by the student to their clinical rotations.
- Students will be scanned with handheld ferromagnetic detectors as a part of their regular screening process at all sites prior to entering Zone IV.
- Any student that has a history of orbit trauma by a potential ferromagnetic foreign body for which they sought medical attention are to have their orbits cleared by either plain X-ray orbit films (2 views) or by a radiologist's review and assessment of contiguous cut prior CT or MR images (obtained since the suspected traumatic event) if available (ACR, 2013).
- When there are no MRI personnel on duty or in the work area either the scan room door or the van roll door will be placed in the closed position and locked to prevent anyone including the student from entering the magnetic field according to ACR guidelines.

Students with cardiac pacemakers are prohibited from entering the MR imaging suite and shall not be allowed to train in the MRI program.

All other implanted devices need to be evaluated, documented, or approved by an MRSO or an MRMD before the student is allowed in the MRI Suite