

MRI Safety
JRCERT Objective 5.3

The radiology students will be in-serviced on the importance of MRI safety protection in the first week of orientation; the students will view the "MRI SAFETY VIDEO FROM ASRT". In the classroom the radiography students view an MRI Safety Power Point presentation and will be instructed on safety involving MRI Zones I, II, III, and IV.

The students will be issued an attendance certificate attendance checklist and an MRI screening form. All students will fill out the MRI screening form before being assigned to clinical rotations. The RT students while attending clinical sites will follow the hospital/clinic MRI Safety policy/protocols that pertain to safety in regards to students, general public, patients, technologists and all who frequent the MRI department.



Laredo College
Radiologic Technology Program
MRI Safety Inservice

Name: _____ **Date:** _____

Method of training: Lecture _____ Video _____ Demonstration _____ Other _____

SAFETY CLASS- MRI Safety Video ASRT MRI SAFETY VIDEO COURSE TOPICS:

1. Licensing and Regulations.
2. MRI screening process/protocol for everybody present inside the MRI room.
3. All objects and devices entering the MRI room must be screened by an authorized MRI personnel.
4. FERROMAGNETIC Objects, devices and/or equipment.
5. The MRI machine is ALWAYS ON (24/7) and is extremely powerful.
6. Potential safety risks in the MRI environment/area for students, patients, family members, health care professionals, housekeeping personnel and others were discussed in the Basic MRI Safety in the magnetic fields of the MRI Scanner.
7. Serious injury or death may result after interaction (path of the projectile) between an individual or equipment and the MRI Scanner- Missile effect.
8. Accidents in the MRI environment are avoidable with proper in-service and training.
9. MRI Zones:
Zone I: General Public.

Zone II: Interface between Zone I and Zone III (Waiting Lobby, Exam Rooms) Zone III: Area immediately before access to the MR Scanner Room. Zone IV: The MR Scanner Magnet Room.

Training Received by: _____

Student Signature: _____

Date: _____



MRI Screening Form

MRI uses powerful magnets and radio waves to produce images of the body. Because of the use of magnetic fields, it is important to know if you have any metal implants, or metal fragments in your body. Therefore, all individuals are required to fill out this form BEFORE entering MRI Zone III or IV. Be advised, the MRI magnet is ALWAYS on. The following conditions may be MRI safety hazards.

Please indicate if you have any of the following:

Heart Pacemaker, implanted defibrillator or artificial valve?

Yes No

Surgery on your head, including aneurysm clips, hearing aids or ear implants?

Yes No

Any eye injuries to imbedded metal fragments (shavings)?

Yes No

Internal stimulating devices, injector pumps or monitors?

Yes No

Artificial joint, limb prosthesis, or removable dental work?

Yes No

Bullets, shrapnel, or other metal fragments imbedded in your body?

Yes No

Permanent eyeliner/ magnetic eyeliner/ magnetic eyelashes?

Yes No

Any possibility of being pregnant?

Yes No

Any type of prosthesis (eye, penile, etc)

Yes No

Radiation seeds or implants?

Yes No

Dermal Patches of any kind?

Yes No

Tattoo or permanent-makeup?

Yes No

Shunt (Spinal or Interventricular)?

Yes No

Wire mesh implant?

Yes No

Magnetically activated implant or device?

Yes No

Remove all metallic objects before entering MRI Zone III or Zone IV including hearing aids, cell phone, keys, hair pins, barrettes, jewelry (including body piercing jewelry), watch, safety pins, paperclips, money clip, credit cards, bank cards, coins, pens, steel-toed boots/shoes, and tools. Loose metallic objects are especially prohibited in MRI Zone III or IV.

Please consult the MRI Technologist BEFORE you enter MRI Zone III or IV.

I will immediately report any changes to the information provided herein to Clinical Coordinator.

Student Signature: _____