

Education Update

Trinitas Regional Medical Center
Education Department

April 2011

MRI Safety

What is an MRI?

- ◆ A painless radiology technique
- ◆ Avoids x-ray radiation exposure
- ◆ Has no known side effects
- ◆ Precise accuracy in detecting structural abnormalities of the body

MRI Restrictions

- ◆ People with the following CANNOT be scanned or enter the scan room
 - ◆ Heart pacemakers
 - ◆ Metal implants
 - ◆ Metal chips or clips in or around the eyeballs
 - ◆ Artificial heart valves
 - ◆ Metallic ear implants
 - ◆ Bullet fragments
 - ◆ Chemotherapy or insulin pumps

MRI Related Incidents

Over the last decade, the following objects have crashed into or been pulled into the chamber of the MRI systems, causing patient injuries:

- | | | |
|--------------------|------------|------------------|
| - Oxygen cylinders | A ladder | Floor buffer |
| - IV poles | Mop bucket | Pulse oximeter |
| - Laundry cart | Scissors | Traction weights |

Department Specific Issues

Housekeeping & Maintenance

Do not enter the room unless directed to do so by MRI personnel.

Transporters

Always bring patient to the reception area. Never enter the MRI room with the patient.

Respiratory Therapists

Oxygen tanks are not permitted in the MRI area. The MRI room has wall oxygen and suction built in.

Nursing/ED Staff

Heart monitors and/or immobilizers are not permitted in the MRI scanner room.

**THE MRI MACHINE
NEVER
SHUTS DOWN!**



**NO ONE IS ALLOWED
TO ENTER THE MRI
SCANNER ROOM
UNLESS THEY HAVE
BEEN SCREENED
BY MRI PERSONNEL.**