

MRI Emergency Procedures

**Address: UC Davis Research Imaging Center
4701 X Street
MRI Suite, Rm. 1232**

FOR ALL EMERGENCIES: Dial 911

Meet emergency personnel at the front doors.
Make emergency personnel aware that the magnetic field is on.

Fire Emergencies

Follow the R.A.C.E. acronym:
Rescue persons from immediate danger
Alarm using fire alarm and calling 911
Confine the fire by closing doors.
Extinguish with portable fire extinguishers

Fire alarm pull stations are located on the wall alongside all building exit doors. Fire extinguishers are located in the MR ante-room, next to the lockers, and in the MR computer room. These extinguishers are non-ferrous and safe to bring into the scanner room.

Medical Emergencies

For medical emergency unrelated to magnetic field hazard, e.g., heart attack, stroke etc.:

- 1) Assess the victim's status
- 2) Call 911 for assistance
- 3) Remove victim from magnet by undocking the scanning table and moving it into the control room
- 4) Initiate CPR

Electrical Emergencies

Four emergency power off buttons are available to shut off the electrical power to the scanner. One button is on the keyboard, one is on the scan room wall to the left of the entry and one is on either side of the scanner gantry itself. These buttons turn off only the electrical power; they will not remove the magnetic field. In the event of a power-off or power failure condition during scanning, a manual release handle at the end of the scanning table is available to remove a subject in the magnet bore. Firmly grasp this handle and twist to release the latch and pull the table out.

Magnetic Projectile Emergencies

If ferrous object(s) have been introduced into the magnet, first determine if:

- 1) any person is injured, and or 2) any person is trapped.

If a person is injured but can be removed safely, remove him/her from the scanner room and call 911. If the injured person is on the scanning table, simply undock the table and move it with the person into the control room.

If the person is trapped and/or unable to move due to injury, perform an emergency magnetic field rundown (quench) and call 911.

An emergency magnetic field rundown (quench) should be done **only** in an **extreme** emergency. The button used to initiate the emergency rundown is located on the scanner room wall, just to the right of the main entry door. To initiate an emergency rundown, flip up the protective cover and press red button. The emergency rundown takes 1-2 minutes, and after it is complete the magnetic field will be zero and any and all emergency response equipment may be taken into the scanner room.