



MCW MRI Safety Standard Operating Procedures

Facility Safety Breach Reporting

Category: Magnetic Resonance Imaging (MRI) Safety

Procedure #: MR.SOP. 03

Applies to: Investigators, study personnel, Medical College of Wisconsin (MCW) staff

PURPOSE:

The purpose of reporting a facility safety breach is to reduce the risk to employees, visitors, study team personnel, and research participants from inadvertently entering the magnetic environment.

DEFINITIONS:

Facility Safety Breach: A failed access point potentially allowing non-trained or non-escorted individuals into the magnetic environment.

Magnetic Environment: The area where the magnetic field is greater than 5 gauss resulting in the potential for objects to become missiles or projectiles as they are attracted into the magnetic field of the scanner. Individuals who may have cardiac pacemakers or other implants and devices may be at risk to enter the magnetic environment. The magnetic field is always present and is three dimensional around the scanner.

Other potential safety breaches include: flooding, electrical hazards and obvious structural faults.

PROCEDURES:

- A. Open access to the magnetic environment must be addressed immediately to prevent serious injury to individuals or equipment. Employees and / or study team personnel should report any breaches to the MRI research Scanner Operator on duty.
 1. If a breach is discovered when no MRI research Scanner Operator is present, the situation should be reported to facilities and or Public Safety by the individual who discovered the situation.
- B. Flooding or other emergency conditions should be reported to facilities and or Public Safety.
 1. MRI research Scanner Operators or study team personnel should report a discovered breach to administration and the MRI Safety Committee as soon as reasonably possible.
 2. MRI research Scanner Operators or study team personnel should prevent individuals from entering the magnetic environment until the breach is corrected.
 3. MRI research Scanner Operators or study team personnel should report flooding or other emergency situations to administration and the MRI Safety Committee.
 4. MRI research Scanner Operators or study team personnel should prevent individuals from entering the magnetic environment during the facility breach situation.

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