



MCW MRI Safety Standard Operating Procedures

MRI Safety Committee

Category: Magnetic Resonance Imaging (MRI) Safety

Procedure #: MR.SOP. 07

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

PURPOSE:

The purpose of the MRI Safety Committee is to provide a resource for continued safe MRI practices within the MCW research community; as defined by the following mission statement:

The mission of the MRI Safety Committee (MRISC) is to foster an environment for the safe use of MRI in research at MCW. This mission is accomplished by conducting timely reviews of human participant and animal studies using MRI, providing the necessary safety training for researchers and staff, ensuring only trained and safety screened individuals have access to the magnetic environment, evaluating the safe use of accessory equipment in or around the magnetic environment, and serving as an available resource for investigators and others.

DEFINITIONS:

MRI: Magnetic Resonance Imaging which uses a strong static or main magnetic field, radio frequency pulses and time varying magnetic fields or gradients to produce anatomic images, spectroscopy, angiography, and functional data (fMRI).

MRI Safety Committee

The MRI Safety Committee is an official sub-committee of the MCW Joint Committee on Safety. Members have been appointed for staggered terms of three years, by the Senior Associate Dean for Research.

MRI Safety Committee Meetings

The full MRI Safety Committee meets monthly, usually the third Thursday of the month at noon.

MRI Safety Committee Members are listed on the [Research MRI Safety Website](#)

PROCEDURES:

- A. Applicants seeking IRB, IACUC, or other approval for research studies utilizing MRI are routed to the MRI Safety Committee for review prior to consideration by the IRB or IACUC for approval.
- B. All research personnel working within the magnetic environment are required to complete MRI safety training
- C. The MRI Safety Committee approves the safe use of MCW MR Scanners. Investigators proposing to use MR scanners located at FH, CHW or other sites must obtain approval from those authorities.
- D. The MRI Safety Committee authorizes the MCW research scanner operators to prohibit or stop a procedure that they deem is unsafe.

- E. The MCW MRI Safety Committee generates Policies and Procedures based on locally accepted standards and the internationally accepted recommendations of the American College of Radiology (ACR).
- F. The use of Magnetic Resonance Imaging (MRI) presents known safety hazards. Policies and Procedures have been developed so that employees, researchers, students, colleagues, study participants, and associated equipment remain safe in the magnetic environment.
- G. MRI Safety questions and concerns should be forwarded to the MRI Safety Committee: mrissafety@mcw.edu

Last Revised:	July 10, 2017
Reviewed	February 11, 2016
Reviewed	November 13, 2014
Effective Date:	December 17, 2012
Previous Version/date:	January 2009
Approved By:	MRI Safety Committee