

Research MRI Safety Committee Standard

REVIEW OF RESEARCH MRI APPLICATIONS

Category: Magnetic Resonance Imaging (MRI) Safety

Procedure#: MR.SOP.16

Applies to: All applications reviewed by the Research MRI Safety Committee

PURPOSE:

The mission of the Research MRI Safety Committee at the Medical College of Wisconsin (MCW) is to foster an environment for the safe use of MRI in research at MCW on behalf of the Office of Research. 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. The purpose of this document is to describe the process of review and approval for Research MRI Safety Applications.

DEFINITIONS:

Administrative Processing: dimensional around

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 Training: the instruction consistent with [American College of Radiology Training Level 2](#) that

environment as well as the proper screening of research subjects.

POLICY:

The Research MRI Safety Committee will review the use of MRI systems for human participant, animal, and *ex vivo* studies which occur within the Froedtert and MCW Milwaukee network. The use will be evaluated for safety of all participants according to the most recent *American College of Radiology Guidance Document on MR Safe Practices* and other current peer-reviewed recommendations; approval will not be granted until all required MRI Safety Training has been completed.

PROCEDURE:

- A. Applications will typically be reviewed by Expedited Review unless the conditions for Full Committee or administrative processing are met. Expedited Reviews are reported to the Research MRI Safety Committee as a matter of inform. 6(C)2.6(om)-6(m)-5