



# Research MRI Safety Committee Standard

## INFECTION and ALLERGY CONTROL

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Category: Magnetic Resonance Imaging (MRI) Safety

Procedure #: MR.SOP.06

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

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### PURPOSE:

Implementing infection and allergy control procedures can help prevent the transfer of infectious materials among research subjects. The purpose of this document is to document procedures that will ensure that animal research subjects or individuals participating in a study are not exposed to infectious materials from other animal or human research subjects.

### DEFINITIONS:

Materials: Objects that are not mechanical in nature but may be used with or near the research subject during the MRI procedure. Examples include scanning table and cushion, coil(s), positioning pads, emergency squeeze ball.

Research Study Personnel: Study personnel are individuals including a student, staff member or laboratory assistant for whom the PI of the study is responsible, and who are at the MRI scanner site during the study or may be recruiting subjects for the study.

Research Subject: A research subject is a human or animal participant who is placed into the bore of the MRI scanner for research purposes.

### POLICY:

All surfaces and materials that have come into contact with a human or animal research subject or any other potential infectious substance must be properly cleaned with an appropriate cleaning solution (e.g. bleach wipe product or disinfectant solution) before the next MRI study is conducted.

### PROCEDURES:

- A. For human subjects:
  1. Surfaces and materials must be cleaned with a disinfectant after each use, BEFORE placing another research subject on the scanning table.
  2. Any spills or bodily fluids must be cleaned thoroughly with a disinfectant solution or bleach.
  3. Linens must be cleaned or replaced BEFORE placing another human subject on the scanning table.

- B. For animal subjects
  - 1. All animal subjects for MRI research studies will be managed according to the policies and procedures of the Biomedical Resource Center (BRC).
  - 2. Surfaces and materials must be cleaned with a disinfectant after each use. Surfaces include:
    - a. Bite bar
    - b. Scanner table
    - c. Inside and outside of all RF coils
    - d. Counters and work surfaces that may have been soiled
  - 3. Study team is expected to assist in the cleanup of ALL biological substances (blood, hair, urine, feces, secretions, tissue) from all contact surfaces.
- C. Gloves must be removed and disposed of in a proper container, before working on any other equipment (e.g. computer, scanner console) or touching other surfaces (e.g. door handles, computer keyboards, other common areas).
- D. All used linens are to be placed in the appropriate hamper.

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