

Purdue MRI Facility Scanning Approval Process Description

Operation of the MR imager under any circumstances requires the approval of the Purdue MRI Facility administration, as governed by the Weldon School of Biomedical Engineering Imaging Facilities Committee. Approval to scan using the MR imager may be granted after successful completion of designated coursework components and a period of supervised training.

Obtaining “Scanning Approval” requires the following:

- 1) Demonstration of Purdue University graduate student, staff or faculty status.
- 2) Demonstration of the following certifications in safety of human or animal subjects:
 - a) Completion of the Purdue MRI Facility MRI Safety Seminar (valid for two years)
 - b) Current (adult) CPR training¹
 - c) CITI Human Subjects Research certification (valid for five years)²
 - d) (*Optional*) PACUC Orientation to obtain *Animal* designation
- 3) Observe “Scanning Approved” Operators for at least three (3) imaging sessions involving human subjects.
 - a) The following shall be exempt from two (2) of these sessions:
 - i) Individuals who hold MR Technologist certification
 - ii) Individuals who hold authorization for human studies on a different GE 3T Signa HDx
 - b) The following shall be exempt from one (1) of these sessions:
 - i) Individuals who have undergone General Electric Healthcare 3T MRI training
 - ii) Individuals who hold authorization for human studies on any other MRI platform
- 4) Set-up and perform at least three (3) imaging sessions, with human subjects, under guided supervision by an Operator who is “Scanning Approved”
 - a) The following shall be exempt from two (2) of these sessions:
 - i) Individuals who hold MR Technologist certification
 - ii) Individuals who hold authorization for human studies on a different GE 3T Signa HDx
 - b) The following shall be exempt from one (1) of these sessions:
 - i) Individuals who have undergone General Electric Healthcare 3T MRI training
 - ii) Individuals who hold authorization for human studies on any other MRI platform
- 5) Complete a solo check-out under observation of a representative of the Purdue MRI Facility (*Cannot be conducted until individual is certified, as above*)

“Scanning Approval” will be granted for a period of one year from completion of the solo check-out procedure. At the end of this period, “Scanning Approval” status may be renewed pending the following review:

1. A review of scanning record for the previous year (see *BME-IFC Document MR-OA-3*, “Conditions for Maintaining Scanning Approval”).
2. Re-certification (as necessary).
3. Assessment of recent scanning activity with a refresher check-out required for those who have not scanned in the previous six-month period.

The Purdue MRI Facility Manager of Operations will maintain a log of all “Scanning Approved” individuals, including dates of validity for certifications.

¹ Please note that CPR certification can be obtained from such organizations as the local chapter of the American Red Cross (http://www.tippearc.org/classes_health_safety.shtml) and the Kathryn Weil Center (765-449-5133).

² See <http://www.irb.purdue.edu> for information about Online Training