Research MRI Safety Committee

Principal Investigator: the individual who is ultimately responsible for the procedures,
study team personnel and research subjects involved in the study. The PI has an IRB or
IACUC approved protocol and utilizes one or more of the MRI scanners at MCW for
research purposes.

Registered Technologist (RT): a medical professional who is certified by the American
Registry of Radiologic Technologists or equivalent certifying agency in one or more of
the following disciplines: radiography, nuclear medicine, radiation therapy,
mammography, computed tomography, magnetic resonance imaging, cardiovascular
interventional technology, or quality management.

Research MRI Scanner Operator: an MCW employee who has completed the MRI
safety training and is specially trained in the operation of one or more of the MCW MRI
scanners. A research MRI scanner operator may be a Registered Technologist.

Research

documentation as to valid Red Cross or equivalent basic life support
cardiopulmonary resuscitation (CPR) training.
c. Research Technologists, who are allowed to operate the scanner for
all research studies.
3. Subjects should be positioned so that there is no skin to skin contact or bare skin
to scanner surfaces to reduce the risk of burns. Heat resistant cushions / pads
should be used as insulators.
4. Research subjects must be supplied with hearing protection to meet the OSHA /
NIOSH regulations (e.g. either the

G. Magnet Q uench

1. If a quench occurs, t here is signif icantly increased risk of oxygen displacem ent.

2. Workf lows following a low oxygen alarm (B. 4 of t his document) should be followed

when a quench occurs.

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Approved By: Research MRI Safet y Committee