

EMERGENCY INFORMATION FOR THE MR AREA

Emergency Phone Numbers

* In case of emergency call: **On campus phone 100 or on an off campus phone 617-253-1212**

Steven Shannon 617-324-2702 (Office)

781-439-2973 (Cell)

Christina Triantafyllou 617-324-2701 (Office)

Sheeba Arnold 617-324-2703 (Office)

Human Subject Scanning

All subjects must be given the emergency squeeze ball, and instructions on how to use it. The subjects are to be monitored throughout the procedure via the speaker system.

Medical Emergency

In case of a human subject, an employee, or other personnel has a medical emergency, you must assist the individual out of the magnet room. If deemed necessary call the MIT emergency line (100).

Magnet Emergency

If an individual is restrained or pinned by a ferrous object to the magnet, you must assess if the situation is life threatening. If yes, initiate an emergency rundown to quench the magnet.

A quench includes the rapid release of cryogenics and results in the loss or significant decrease of the magnetic field. A quench should ONLY be performed by authorized personnel with proper training in dire emergency that involves a serious personal injury. Sudden loss of the magnet field in a quench situation could damage the magnet or components of the system. There is a considerable cost related to quenching the magnet and re-implementing the magnetic field. The strong magnetic field will dissipate in about a minute, releasing the individual.

Note: in extraordinary circumstances such as an earthquake or explosion, resulting in an uncontrolled quench, the oxygen level in the

magnet room may significantly decrease possibly making breathing difficult.

If an individual is restrained by a ferrous object to the magnet and is NOT in a life threatening situation, call for assistance to determine the optimal way of releasing the individual from the magnetic field. If a quench is necessary proceed as above.

Emergency Electrical Stop

If there is an emergency such as an equipment failure that could cause injury, sparking of equipment or a fire the operator or designee should immediately perform an emergency electrical stop.

Incident Reporting

In the rare event that a subject reports any untoward or unexpected reaction to the scan (e.g. painful cutaneous sensation, nausea, etc.), the experiment is to be terminated and the incident reported to the MR Technologist Steven Shannon. Adverse events should also be reported to COUHES using the Adverse Events reporting forms provided by COUHES <http://web.mit.edu/committees/couhes/forms.shtml>. A copy of all Adverse Events reports should be submitted to Steven Shannon.

ALL incidents must also be entered in the incident log book located in the control room.

MRI Safety Website:

If a subject or patient has any medical devices, such as implants, you must get clearance from Steven Shannon. To see more information on medical devices and their MRI compatibility, please go to: <http://www.mrisafety.com>. For other information regarding MRI safety, please go to: <http://www.radiology.upmc.edu/MRsafety>