

York MRI Facility

Standard Operating Procedure #60-02
Last Modified: 26 April 2011

MRI System Start-Up

1. Introduction

- 1.1. Research involving Magnetic Resonance Imaging (MRI) at high magnetic field strengths present unique hazards to both research subjects and individuals working within and around the MRI system. Consequently, the potential for serious personal injury is present due to the sheer size and strength of the static magnetic field along with the flexibility of the research system and associated peripheral hardware.
- 1.2. Working within and around the high field MRI requires in depth training on safety and Standard Operating Procedures, and documented proof of other necessary training. See SOP #30-02 "Safety Training Procedures".

2. Start-up Procedure for the Powered Down or Standby State

- 2.1. Press the "SYSTEM ON" button located on the Siemens control panel.
- 2.2. Do not plug in or unplug any RF coils or move the bed while the system is booting. This may cause system errors and may necessitate a system reboot.
- 2.3. When the system is fully operational:
 - 2.3.1. You will hear 3 knocks from the magnet.
 - 2.3.2. A "System Online" message will appear in the Magnet Status window.
 - 2.3.3. The red line will disappear from the Magnet Status icon.
- 2.4. The system is now booted and ready to scan.