(A) **Policy Statement**

It is the policy of the MRI Department to provide guidelines in the event of the magnet quench.

(B) **Purpose of Policy**

To provide a safe environment to the patients and staff.

(C) **Procedure**

1. **Spontaneous Quench**: In the event the magnet experiences a spontaneous quench due to malfunction the steps below should be followed:

   (a) (i) Stop scanning  
       (ii) Immediately remove anyone from the room and assure their safety by vacating the area  
       (iii) Close the door to the magnet room  
       (iv) Alert maintenance  
       (v) Leave door closed until it is deemed safe by appropriate personnel  
       (vi) After area is secured, file reports with Safety Net and MRI Safety Committee.

   (b) If the door closes due to pressure from the quench while someone is in the room, the glass window must be broken to release the pressure. The glass can be broken by standing back and throwing the MRI safe copper hammer or brick, both of which are available on the window sill at each scanner.

2. **Scheduled Quench**: In the event a magnet must be quenched for repair or replacement, the steps below should be followed:

   (a) (i) Have manufacturer and maintenance on site.  
       (ii) Have maintenance ensure the exhaust vent has been checked and is clear and vented properly.  
       (iii) Clear area outside around the vent and station security and maintenance in the area.  
       (iii) Secure area from all non-MRI staff or others not involved with the quench procedure.  
       (iv) Close the door to the magnet room.
(v) Press the quench button, or if the button is inside the magnet room, hit the button and immediately leave the room and close the door securely.

(vi) In the event of a quick pressure change and the door closes too quickly, follow steps to break window with the MRI safe copper hammer or brick.