Basic Safety Training: Emergency Procedures
Basic MR Safety Review

- You must be medically safe
  - Medically cleared by a trained operator
- You must be physically safe
  - Remove all items on person
  - Place all items in designated bins
- Help keep others safe
  - Understand risks and watch out for others
Public Areas are Zone 1

- Includes entrance to UW SLU Building D
- Public restrooms
- No safety concern
Waiting Area – Zone 2

- Staff will lead subjects to the waiting area. Room B68.
  - Staff will provide access to UW SLU Building D and lead subjects to the waiting area located in the basement.
- Wait to be received by staff
Prep/Recovery & Locker Room Area – Zone 2

- Next to the waiting area is the Prep/Recovery & Locker Room Area
- Available for final prep before scan
Restroom Near Waiting Area – Zone 2

- Restroom is available in the BMIC basement just outside the waiting area. Room B69.
- No wandering
Entrance to Control Room – Zone 3

- Located in Room B67. Adjacent to waiting area and elevator access hall.
- Must have MR Safety training with medical clearance to enter.
- Look for “Do not enter!” sign next to door when MR control room is in use.
Magnet Room – Zone 4

- Highly Restricted.
- BMIC Safety trained personnel require an MR Trained Operator present to be allowed to enter the room.
Safety Guidelines

- Only green MR sticker items permitted in the magnet room
- New equipment must be cleared (Speak to the MRI Operator)
In Case of Fire in Magnet Room

- **Emergency procedures posted in red**
- If you see a fire use pull box by doors
- Evacuate the area immediately closing doors behind you
- A clean agent will be released
- Do not re-enter rooms
Red Fire Pull Boxes

- Fire Pull Box for clean agent
- Release in case of confirmed Fire
- Do not use if the fire is outside the magnet room
In Case of Magnet Quench

If Steam escapes from magnet, everyone must exit room immediately and close door.

An emergency exhaust will activate automatically.
If a Life Threatening Accident Occurs with Magnet

- If someone’s is in danger of losing life or limb due to ferro metallic object, only then an emergency magnet run down (quench) button is available to stop the magnetic field.

- Do not press the quench button until you have quickly assessed the situation that permits its use (danger of losing life or limb).
Magnet
Quench Button

- They are located on the wall next to the magnet room door (Both inside and outside the magnet room).
# Medical Emergency

<table>
<thead>
<tr>
<th>Action</th>
<th>Instructions</th>
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<tbody>
<tr>
<td>Call</td>
<td>Call 911 to UW SLU Building D basement</td>
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<tr>
<td></td>
<td>• Do not run into magnet room if you are not safe.</td>
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<tr>
<td></td>
<td>• Prevent others from entering the magnet room if they are not MR Safe to enter</td>
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<tr>
<td>Help</td>
<td>Help bring person to crash cart</td>
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<tr>
<td></td>
<td>• Keep responders safe from magnet</td>
</tr>
<tr>
<td>Crash Cart</td>
<td>Crash cart inside Magnet Room</td>
</tr>
<tr>
<td>Do Not quench</td>
<td>Do Not quench the magnet</td>
</tr>
</tbody>
</table>
If you have questions about your assigned task or are the least bit unclear, please contact the BMIC support email: bmic@uw.edu

Call list of trained operators and Philips Engineers visibly available in the control room for immediate response.
UW Staff Personnel Safety

- Safety
  - Medically Cleared
  - Understand Risks
  - Follow Procedures
  - Vigilance