

SMRT

SOCIETY FOR MR
RADIOGRAPHERS & TECHNOLOGISTS
A Section of the ISMRM

A WORLD
OF KNOWLEDGE
FOR MAGNETIC RESONANCE
PROFESSIONALS

MRI Safety Week Quiz Question 3

The MRI scanner room door (between Zone 3 & Zone 4) has been left open and there is a wheelchair in the doorway!

Question: Which of the following options would help avoid a potential MR safety accident?

- a) Remove the wheelchair from the doorway to avoid it being taken into the MRI scanner room (Zone 4), as it is likely to be **MR Unsafe**
- b) Ensure access to the MRI scanner room is supervised at all times by appropriate MRI personnel
- c) Avoid having an 'open door policy' and always ensure the door remains closed after entering or exiting the MRI scanner room (Zone 4)
- d) All of the above



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Learning points:

- Whenever possible close the MRI scanner room door after exiting or entering the room
- Always ensure that access to the MRI scanner is supervised by appropriate MR personnel
- Items brought into the MRI control area (Zone 3) and MRI scanner room (Zone 4) should be labelled **MR Safe**, **MR Conditional** or **MR Unsafe**. An **MR Unsafe** wheelchair should never be taken into the MRI scanner room because it is a projectile hazard
- Note: Warning signs on the inside as well as the outside of the MRI scanner room door can help alert individuals to hazards in the MRI environment
- **Correct Answer: d**

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Acknowledgments

Contributors: The SMRT Safety Committee (2018)

Disclaimer: This program was developed by the SMRT Safety Committee to provide education to promote safety in the MRI environment. The information presented does not replace any MRI guidelines or site specific policies & procedures.

MRI Safety Resource List

- **ISMRM & SMRT MR Safety Resources: www.ismrm.org/mr-safety-links**
- ACR White paper on MR Safety (2013)
- IEC MRI Safety Recommendations (2014)
- MHRA Safety Guidelines for MRI Equipment in Clinical Use (2015)
- EU Directives on MR safety (2013)
- RANZCR MRI Safety Guidelines
- www.fda.gov: Magnetic Resonance Imaging (MRI Safety)
- www.mrisafety.com