

RISK ASSESSMENT RECORD FORM

Please refer to the accompanying guidance when completing this form

Section 1: Administrative Details

Name of Assessor:

Job Title:

Date of Assessment:

Section 2: Activity/Task

Activity /Task

Provision of an MRI service

Risk:

MRI examination (magnet/scanner) room door failure, potentially trapping an unaccompanied patient, and possibly carer, in the MR examination room

Area affected:

MRI

Source of Risk (Background):

The MRI examination (magnet/scanner) room usually has a single entry/exit point comprising a sophisticated RF door. There have been reports to the MHRA of MRI examination room door failures, such as the door handle breaking, where unaccompanied patients have been trapped in the MRI scanner room. These patients could be very unwell, some could be anaesthetised and some may require immediate medical attention, such as in the event of a cardiac arrest.

Supporting Evidence:

MRI manufacturers' instructions for use, MHRA guidelines on safe use of MRI [1].

Factors the risk contains: (if for COSHH include route of exposure, length of exposure time and exposure limits)

Height, strong static magnetic field, patient anxiety, unaccompanied patient and possibly carer.

Potential Consequence if risk is realised:

- Patient and possibly carer anxiety/distress from being trapped in an MRI scanner room
- Having a lone patient, and possibly a carer untrained in MRI safety, in an MRI examination room, where a number of hazards exist (e.g., projectile hazard, cryogen hazard, attached to power injector or other device(s))
- Serious injury or death if the patient moved themselves out of the bore and fell off the MRI table
- Serious injury/death due to inability to provide immediate medical intervention in the event of an emergency

Section 3: Current Control Measures

All doors to the MRI scanner room have a preventative maintenance programme in keeping with the RF cage manufacturers' recommendations.

A work instruction is available that describes the procedure for forcing open the MRI examination room door. These tools are provided in the MRI department. The Estates department will be notified that there has been a door failure in MRI and they will respond immediately to assist with gaining access, with the understanding that they or any tools used must not enter the MRI scanner room.

Section 4: Risk Rating

Use the consequence, likelihood and risk score tables in the accompanying guidance to identify the scores below.

Consequence Score:
Likelihood Score:
Risk Score:
Initial Risk Grading:

Section 5: Risk Reduction Options		
Options	Revised Risk Score	Cost

Section 6: Agreed Actions		
Actions	Lead	Target Date

Section 7: Risk Grading				
	Consequence	Likelihood	Score	Grade
Initial:				
Current (will be the same as initial to begin with):				
Residual:				

Section 8: Review
Risk Owner:
Planned Review Date:

Reference
[1] D. Grainger, "Safety Guidelines for Magnetic Resonance Imaging Equipment in Clinical Use," Medicines and Healthcare Products Regulatory Agency, Mar. 2015.