

Risk Assessment Form

Use this form for any detailed risk assessment unless a specific form is provided. Refer to your Summary of Hazards/Risks and complete forms as required, including those that are adequately controlled but could be serious in the absence of active management. The Action Plan and reply section is to help you pursue those requiring action.

Name of Assessor:	John McLean	Post Held:	MR Safety Expert
Department:	Imaging	Date (Initial review)	19/3/2015
Subject of Assessment: E.g.: hazard, task, equipment, location, people			
Scanning patients in MRI with breast Implant: considerations relating to tissue expanders			
Hazards (Describe the harmful agent(s) and the adverse consequences they could cause)			
<p>There are a range of hazards the MRI scanner presents. The static magnetic field may affect ferrous metallic objects. RF fields can lead to heating of metallic objects. Some breast implants contain tissue expanders which include magnetic components typically used as a means of locating an injection site port. The manufacturers of these devices state that they are not safe for MRI scanning.</p> <p>In addition, some breast implants now have identification chips within them. We suspect patients attending for their MRI scan may not always know whether or not their implant is chipped. To date, all identification chips used in breast implants are known to be suitable for MRI. Therefore, the fact a implant is chipped should not have a bearing on whether or not the patient proceeds with their MRI scan.</p>			
Description of Risk			
Describe the work that causes exposure to the hazard, and the relevant circumstances. Who is at risk? Highlight significant factors: what makes the risk more or less serious – e.g.: the time taken, how often the work is done, who does it, the work environment, anything else relevant.			
Patient attending for MRI scans who have breast implants with tissue expanders are at risk. Some issue expanders may be safe, however, until the make and model of the breast implant is known, it will not be possible to determine whether or not the breast implant with expanders are safe for MRI scanning.			
Existing Precautions		Describe how they might fail to prevent adverse outcomes.	
<p>Patients are taken through an extensive MRI safety checklist to identify any implants that they may have</p> <p>The details of safe scanning of patients with breast implants are defined in the MRI local rules</p> <p>Breast implant chips checked for MRI safety status periodically. Situation is reviewed periodically.</p>		<p>The patient may fail to declare an implant that they have</p> <p>An unsafe ID chip may be brought onto market and in use in the UK prior to revision of the policy. However, it would seem unlikely that a an unsafe ID chip would be brought onto the market and moreover that we would not detect this prior to them coming into widespread use.</p>	

Level of Risk - Is the control of this risk adequate?

Give more than one risk level if the assessment covers a range of circumstances. You can use the 'matrix' to show how 'likelihood' and 'consequences' combine to give a conclusion. Also, be critical of existing measures: if you can think how they might fail, or how they could be improved, these are indications of a red or orange risk.

Risk Matrix

<u>Likelihood</u>	<u>Impact/Consequences</u>				
	Negligible	Minor	Moderate	Major	Extreme

Almost Certain	Medium	High	High	V High	V High
Likely	Medium	Medium	High	High	V High
Possible	Low	Medium	Medium	High	High
Unlikely	Low	Medium	Medium	Medium	High
Rare	Low	Low	Low	Medium	Medium

Very High
 High
 Medium
 Low

Current risk level

Given the current precautions, and how effective and reliable they are, what is the current level of risk? **Green** is the target – you have thought it through critically and you have no serious worries. Devise ways of making the risk green wherever you can. **Yellow** is acceptable but with some reservations. You can achieve these levels by reducing the inherent risk and or by effective and reliable precautions. **High (Orange) or Very High (Red) risks are unacceptable and must be acted on: use the Action Plan section to summarise and communicate the problems and actions required.**

Action Plan (if risk level is High (Orange) or Very High (Red))

Use this part of the form for risks that require action. Use it to communicate, with your Line Manager or Risk Coordinator or others if required. If using a copy of this form to notify others, they should reply on the form and return to you. Check that you do receive replies.

Describe the measures required to make the work safe. Include hardware – engineering controls, and procedures. Say what you intend to change. If proposed actions are out with your remit, identify them on the plan below but do not say who or by when; leave this to the manager with the authority to decide this and allocate the resources required.

Proposed actions to control the problem <small>List the actions required. If action by others is required, you must send them a copy</small>	By Whom	Start date	Action due date

Action by Others Required - Complete as appropriate: (please tick or enter YES, name and date where appropriate)

Report up management chain for action	
Report to Estates for action	
Contact advisers/specialists	
Alert your staff to problem, new working practice, interim solutions, etc	

Reply

If you receive this form as a manager from someone in your department, you must decide how the risk is to be managed. Update the action plan and reply with a copy to others who need to know. If appropriate, you should note additions to the Directorate / Service Risk Register.

If you receive this as an adviser or other specialist, reply to the sender and investigate further as required.

Date of last review

As per Qpulse record

Next review date:

As per Qpulse record