

IPEM MRSE Certificate of Competence Experience Categories

Category	Sub-category
1. Provide advice on the development and continuing evaluation of a safety framework for the MR Environment.	1.1 Contribute to specifying a local MR safety governance mechanism.
	1.2 Contribute to defining MR safety framework requirements.
2. Provide advice for the development of local rules and procedures to ensure the safe use of MR equipment.	2.1 Contribute to local rules and procedures within the MR unit.
	2.2 Audit local rules and SOPs for compliance with national guidance and legislation.
3. Provide safety advice on the modification of MR sequences for MR safety purposes.	There are no sub-categories.
4. Provide safety advice regarding MR procedures for individual subjects or for subject groups. This includes advice regarding safety related to implanted devices, metallic foreign bodies, tattoos, and other similar issues.	4.1 Provide advice for adhering to MR conditions of implanted medical devices with an MR Conditional label.
	4.2 Provide advice for MR Unlabelled medical devices or MR Conditional devices where the MR conditions cannot be met.
	4.3 Provide advice for non-medical implants and body adornments.
5. Provide advice on MR Safety training programs and incident reporting.	5.1 Review and revise training needs for different staff groups, and/or produce appropriate training material.
	5.2 Provide advice on adverse incident investigations.
6. Provide safety advice regarding the selection, procurement, siting and installation of the MR system and related equipment.	6.1 Contribute to the specification or selection of MR systems or related equipment.
	6.2 Contribute to design and siting and/or installation of an MR system.
7. Provide safety advice as part of acceptance testing prior to the clinical or human research use of the MR equipment, following any major maintenance procedure, and as part of regular post-installation checks.	7.1 Contribute to safety related acceptance tests of an MR unit.
	7.2 Contribute to regular post-installation MR unit safety checks.
8. Establish and maintain links with any appropriate district, regional, and/or professional bodies.	8.1 Attend/contribute to MR safety update / training events organised by national or international professional bodies and reflect on learning.
	8.2 Active engagement with relevant specialist groups, professional bodies, or other relevant organisations.

Reference

Calamante F, Ittermann B, Kanal E, Norris D. Recommended responsibilities for management of MR safety. Vol. 44, Journal of Magnetic Resonance Imaging. Wiley; 2016. p. 1067–9. Available from: <http://dx.doi.org/10.1002/jmri.25282>