

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 a local MR safety assurance framework
	1.2 Contribute to requirements for MR safety documents
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 protocols including diagnostic effectiveness linked to safety	3.1 MR protocol modification for an individual patient.
	3.2 MR protocol modification for specific patient groups
4. Provide safety advice regarding MR procedures for individual subjects and specific subject groups including diagnostic effectiveness linked to safety. 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 non-medical implants and body adornments.
	4.3 Provide advice for MR Unlabelled medical devices or MR Conditional devices where the MR conditions cannot be met.
	4.4 Provide advice for specific subject groups
5. Provide advice on MR Safety training programs and MR Quality Assurance programs.	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
	5.3 Propose or audit an MR QA program.
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 and, prior to the first clinical or human research use of the MR equipment, provide advice regarding performance testing procedures and testing following any major maintenance procedure.	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

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	8.2 Active engagement with relevant specialist groups, professional bodies, or other relevant organisations.

*These are derived from the MRSE roles defined in Calamante et al (JMRI