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Appendix material, intended to be advisory only, is offset and begins with the letter "A" following the corresponding section in the main text.

2.2-3.5.5 Magnetic Resonance Imaging (MRI) Facilities

2.2-3.5.5.1 Configuration of the MRI suite. The requirements in Section 2.2-3.5.5.1 (Configuration of the MRI suite) shall apply to MRI equipment that is affixed to the building (i.e., they shall not apply to portable MRI equipment).

(1) Suites for MRI equipment with a static magnetic field of 9 gauss (0.9 millitesla) that is contained within the MRI scanner device shall conform with the manufacturer's siting guidance.

(2) Suites for MRI equipment with a static magnetic field of 9 gauss (0.9 millitesla) that extends beyond the MRI scanner device shall meet the following requirements:

(a) The MRI suite shall conform to the four-zone screening and access control protocols identified in the current edition of the American College of Radiology's "ACR Manual on MR Safety."

(b) MRI suites as well as spaces around, above, and below (as applicable) shall adhere to requirements in International Electrotechnical Commission (IEC) Standard 60601-2-33: *Medical electrical equipment – Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis* that were established to prevent unscreened individuals from entering the 9-gauss (0.9-millitesla) volume around the MRI equipment and to minimize electromagnetic or radiofrequency interference to, or from, other equipment.

(c) In addition to the clinical and support areas in this section, the following shall be provided in the MRI suite:

(i) Space for patient interviews and physical and clinical screening separate from the MRI scanner room

*(ii) Patient treatment/resuscitation area. An area adjacent to the MRI scanner room shall be provided for patient code treatment/resuscitation.

A2.2-3.5.5.1 (2)(c)(ii) Patient treatment/resuscitation area.

The patient treatment/resuscitation area should be located in the MRI suite as specified in the American College of Radiology's "ACR Manual on MR Safety."

(iii) Ferromagnetic (only) detection and warning systems

(iv) Access controls

(v) Space to accommodate site-specific clinical and operational requirements such as image-guided procedures, emergent imaging, or general anesthesia support

(vi) Space for containment of non-MRI-safe objects outside restricted MRI safety zones

(vii) Space for storage (patient lockers) of patient belongings and non-MRI-safe items

*(d) Any area in which the magnetic field strength is equal to or greater than 9 gauss (0.9 millitesla) shall be physically restricted by the use of key locks or pass-key locking systems.

A2.2-3.5.5.1 (2)(d) A risk of injury or death is posed by the penetration of areas in which the magnetic field strength is equal to or greater than 9 gauss (0.9 millitesla) by unscreened persons or ferromagnetic objects or equipment.

2.2-3.5.5.2 MRI scanner room

*(1) MRI scanner rooms shall meet the requirements in sections 2.2-3.5.1 (Imaging Services—General) and 2.2-3.5.2 (Imaging Rooms) as amended in this section.

A2.2-3.5.5.2 (1) If use of anesthesia support is anticipated in the MRI scanner room, additional space, electrical receptacles, and gas lines may be required.

(2) Handwashing station