

MCW Radiation Safety Policy

Non-Human Use X-Ray Radiation Protection

Purpose: To ensure the safe use of all x-ray equipment and keeping radiation doses ALARA

Staff Protection:

1. Doors to all x-ray rooms must be closed when the beam is on. All persons who cannot be removed from the room shall be protected from the direct scatter radiation by whole body protection barriers of not less than 0.25 millimeter lead equivalent material or shall be positioned that all parts of the person's body are at least two meters from all of the following:
 - a. The tube head
 - b. The direct beam
 - c. The nearest part of the specimen (i.e. animal, phantom, etc.) being struck by the direct beam.
2. Any part of a person, including extremities, that must enter the direct beam shall be protected by 0.5 mm lead equivalent material. All effort should be made by the person to not have any part of their body enter the direct beam.
3. Operators of c-arms which do not operate at a tube current in excess of 0.2 mA are exempt from the requirement to wear a lead apron provided the operator wears a dosimeter.
4. Operators of fluoroscopic equipment shall be issued and wear a personal dosimeter. Radiation dosimetry is available through Radiation Safety.
5. All leaded shielding garments shall be inspected for defects and removed from service if defective.

This policy is for non-human-use. Please see FH policy CPM.0118 "Radiation Protection" for the policy for human use of x-ray equipment at Froedtert Hospital.