

EFFECTIVE DATE: 8-1-2024

REVISION DATE:

Purpose:

The purpose of this policy is to outline the Radiography Program's policies on use of campus energized labs and equipment.

Policy:

Safety (JRCERT Standards 5.1, 5.2, 5.3)

Students must wear their assigned lab dosimeter when present in the energized labs. Lab dosimeters must stay on campus. Dosimeters are not to be worn at clinic in the event the student misplaces their clinical dosimeter.

The control lab dosimeter will be kept in the tech area.

Students must stand behind the control panel walls or in the tech area when exposures are being made.

Students must be supervised at all times when in the energized labs by a qualified Radiographer in the event the student needs assistance.

If students are not supervised in the energized labs, the exposure mechanism switch must be disabled.

Students cannot hold image receptors, manikins, or be present in the energized room when an exposure is being made. When using the C-arm in the energized room, the student must wear a lead apron, thyroid collar, and lead glasses. The lab dosimeter must be worn at thyroid level, outside of lead apron.

It is never permissible to make an exposure on a fellow student, animals, or another person in the energized labs.

The energized room and tech area doors must be closed when making an exposure.

When the energized labs are not in use, the doors will remain locked.

There will be no food and no drinks allowed in the energized laboratory rooms.

Equipment

A tube warm-up on the energized room equipment must be completed before any lab experiments begin. A lab warm-up must be completed every 4 hours if the equipment is not in use.

Lead aprons will be examined yearly for wear and tear using the c-arm machine. The lead aprons will be tagged with numbers and documented.

The energized laboratory equipment will be in compliance with state and federal radiation safety laws. (JRCERT 5.2). Quality control will take place on the x-ray equipment every three years as mandated by

the Indiana State Department of Health.

Manikins must be returned to the storage room when labs are completed for the day to the proper storage area.

The energized x-ray equipment is password protected and can only be accessed by faculty and students (under the direct supervision of a qualified Radiographer).

The key/exposure switch for the energized portable and C-Arm will be locked away when not in use.

Students must hold the Image Receptor (detector) with two hands when handling.

There must be at least two students present when transferring or moving manikins and heavy phantoms. All phantoms must be transferred or moved on a cart or crate.

After each lab group, used equipment must be wiped down with the appropriate cleaning solutions. Linens must be put into a hamper.

Students must treat phantoms and equipment with respect and photography is not allowed without the permission of faculty.

Students must handle all equipment and phantoms with care.