

	Radiation Safety Requirements for Persons Using Radiation- Producing Machines	Effective:	December 1, 2005
		Originator	Dr. Richard Page
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		Updated by:	Dr. Richard Page

Radiation Safety Requirement for Persons Using Radiation-Producing Machines

1. Purpose

Those authorized by Ross University to operate diagnostic radiation-producing machines are required to comply with the following list of regulatory standards and good health physics practices. All occupationally exposed workers should make every effort to maintain their radiation exposure **As Low As Reasonably Achievable (ALARA)**.

2. Instructions

The following procedures should be followed:

- Always be aware of the location of your hands with respect to the x-ray beam. Never place your hands in the useful beam.
- An x-ray worker should not hold a patient or a film except in an emergency
- The operator is responsible for clearing the x-ray room of non-essential people before generating x-rays
- Keep dosimeters dry, contamination-free, and away from sources of extreme heat.
- The operator of a mobile unit should stand at least six feet from the patient and well away from the useful beam
- Whole body dosimeters should be worn as follows:
 - Single-badge workers - on the collar, outside lead apron
 - Double-badged workers - on the collar, outside lead apron and at the waist, under lead apron
- If you are issued a finger ring dosimeter, wear it on the hand most likely to receive the highest dose.
- Wear your assigned dosimeter any time you work with or near radiation-producing machines. It is a good idea to wear your dosimeter throughout the workday. Do not take it home since that will increase the chances of misplacing it or throwing it in the laundry.
- To expedite the reporting process, exchange dosimeters during the first week of each exchange period. It is very important to turn in your dosimeter promptly so exposure levels can be obtained and problems can be identified. A dosimeter that is lost or returned damaged will result in a dose estimate being made and added to the worker's exposure record.

For additional information, contact your Ross University Director, Safety and Security, Lynell Nolan
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