



POLICIES AND PROCEDURES

DOCUMENT NO: POSN 02-02-08

DATE EFFECTIVE: 8 February 2009

CROSS REFERENCE: A. Feb 09 BoDs Mtg
B. Oct 08 BoDs Mtg
C. CAMRT RTR
Competency Profile

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ISSUED BY: Board of Directors

CATEGORY: EDUCATION

SUBJECT: MAINTENANCE OF FILM-SCREEN COMPETENCIES
IN RADIOLOGICAL TECHNOLOGY UNDERGRADUATE
MRT EDUCATION AND TRAINING PROGRAMS

POSITION: It is the Position of the Association that Radiological Technology undergraduate students be competent in the fundamentals of film-screen technology, including image development until the year 2012.

IMPORTANT CONSIDERATIONS: In Ontario there are over nine hundred (900) radiology Independent Health Facilities (IHF) or clinics that still use film-screen technology along with the existence of like technology in some hospitals.

Graduates of present MRT undergraduate education and training programs when they are employed in an IHF with film-screen technology cannot function at maximum effectiveness and efficiency because they do not have the requisite competencies. This is a burden on the IHF owner/employer and compromises effective and quality patient care and is also an unneeded expense on the health-care system.

Although film-screen technology is being phased out and replaced by digital receptor and image production technology, the IHF sector is likely to be using film-screen technology until 2012 at the earliest. In this regard the Canadian Association of Medical Radiation Technologists (CAMRT) national examination process must still have within the Competency Profile those selected competencies requiring the fundamentals of film-screen technology. Further, undergraduate MRT Programs will need to teach these fundamentals. These fundamentals will also set the foundation for digital imaging as many of the film-screen basics also apply to digital imaging.

The fundamentals of importance to be retained in the instruction of film-screen technology are:

- Processing chemicals and their roles in processing
- Darkroom basics
- Occupational Health and Safety issues related to processing chemicals
- The basic instruction of automatic processor
- Processor monitoring and maintenance
- Sensitometry basics
- Densitometry basics
- Film handling and identification
- Selection of the appropriate film-screen receptor system