

Alberta's Health Regions and Voluntary Organizations and the Health Sciences Association of Alberta (HSAA)

This classification specification identifies representative duties and responsibilities, and is intended to assist in the determination of the appropriate classification level within each discipline. Some duties and responsibilities may overlap between class levels. The classification specification is not intended to provide an exhaustive list of all duties performed.

Classification Title: **Medical Radiation Technologist II**

Date Updated: **May 20, 2008**

Job Summary:

The MRT II performs specialized technical radiological imaging examinations on patients for the purpose of disease and pathology diagnosis or assists with coordinating the daily operations of a radiology department.

Work at the MRT II level is differentiated from work at the MRT I level by performing specialized radiological procedures or by the additional responsibility of assisting with coordinating duties.

Key Responsibilities and Typical Duties:

In addition to the duties of the MRT I, the MRT II:

Core Duties

- Performs specialized diagnostic imaging procedures such as computerized tomography (CT), angiography, intravenous injections, cardiac catheterization (cardiac cath labs), and mammography (biopsies).
- Performs specialized service/maintenance support on imaging equipment such as medical equipment and radiological information systems.

Other Related Duties

- Provides input to management regarding the development and review of regional policies, procedures, research and information as necessary.
- Provides written input to management to assist in identifying new equipment requirements.
- May participate in quality control review/initiatives.
- Establishes and maintains adequate levels of supplies and materials for department.

Leadership

For specialized technical roles:

- Provides high-level expertise in specialty area, and provides functional direction to MRT I's and to a variety of healthcare providers.
- Assists with the coaching, monitoring, evaluating, and directing of MRT and Combined Laboratory and X-ray Technologist students assigned to clinical rotations at site.

For on-site leadership roles:

- Coaches, assigns, monitors, and evaluates the work of MRT I.
- Participates in the provision of continuing education for staff.
- Assists with the coaching, monitoring, evaluating, and directing of MRT and Combined Laboratory and X-ray Technologist students assigned to clinical rotations at site.
- Assists with preparing shift schedules.

Decision-Making

For specialized technical roles:

- Decides on the appropriate steps required to obtain the desired image utilizing the specific procedure (e.g. mammography, CT, etc.)
- May choose to alter the standard sequence of steps or include additional steps (e.g. scanning additional images and compiling them) during the performance of the procedure if necessary.
- Makes decisions on matters pertaining to quality control, operations and records.
- Assists with implementation and evaluation of new procedures and equipment.

For on-site leadership roles:

- Resolves unusual results or complex cases or refers concerns to an appropriate individual(s).

Knowledge:

Education

- Diploma from an accredited Medical Radiation Technologist (MRT) Program.

Additional Qualifications/Designations/Certification

- May require quality assurance courses from Canadian Association of Medical Radiation Technologists (CAMRT) or British Columbia Institute of Technology (BCIT).
- May require a certificate or equivalency in a specialty area (e.g. CAMRT specialty certificate in CT, Intravenous injection, etc.)

Registration Requirements

- Registered with the Alberta College of Medical Diagnostic & Therapeutic Technologists (ACMDTT).

Working Conditions:

Physical Demands

- Considerable time is spent standing, walking and in close supportive contact with patients.
- Required to hold for positioning, lift, pull and/or push patients that require assistance to ambulate.
- Bends, reaches, lifts and carries equipment for short distances.

Work Environment

- Work is subject to danger of radiation exposure and exposure to needlesticks and bio-hazardous materials.
- May be subject to unpleasant tasks, sights and odors; and difficult or aggressive patients.