

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

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: **Magnetic Resonance Imaging Technologist I**

Date Updated: **May 20, 2008**

Job Summary:

The Magnetic Resonance Imaging (MRI) Technologist I is the working level technologist responsible for producing and recording magnetic resonance images for interpretation by the Radiologist or Cardiologist for the purpose of diagnosis and tracking of disease and pathology. Provides information to and advises patients regarding the process and equipment.

Key Responsibilities and Typical Duties:

Core Duties

- Produces and records diagnostic MRI images as ordered by the Physician.
- Provides a variety of standard and complex MRI procedures such as providing the injection of contrast agents as requested by the Radiologist.
- Ensures patient appointments are scheduled and daily workload is appropriately organized.
- Assesses equipment to ensure it is in proper working order, and troubleshoots if possible. If issues cannot be resolved brings it to the attention of the appropriate individuals.
- Screens and documents patients for metal objects such as pace-makers, piercings, etc.
- Prepares and positions patient for examination, explains procedures and obtains proper signatures.
- Responds to the physical and psychological needs of the patient while preparing patient for scanning and during scanning.
- Recognizes unusual or abnormal results or findings regarding patients, documents and notifies appropriate individual(s).

Other Related Duties

- Assists with maintenance of MRI facilities and equipment.
- Assists MRI Technologist II with protocols and procedures.
- Participates in the collection of quality assurance data.

Other Related Duties (cont)

- Ensures that all post-examination documentation of patient has been completed.
- Participates in research by scanning patients as directed.
- Ensures safety of all persons who enter the MRI area and acts as first responder in medical emergencies.

Leadership

- Participates in orientation, clinical instruction and evaluation of students.
- May act as a preceptor for students.
- Ensures MRI Technologist II (supervisor) is kept informed of problems, issues or concerns.

Decision Making

- Selects protocols to be used according to patient conditions and clinical data.
- Manipulates imaging data and makes decisions on modifications to scanning protocols, during the procedure, consulting with the Radiologist/Cardiologist if necessary.
- In the absence of Radiologist/Cardiologist, determines the need for additional sequences or completeness of examination.

Knowledge:

Education

- Diploma from an accredited MRI Technologist Program recognized by the Alberta College of Medical Diagnostic & Therapeutic Technologists (ACMDTT).

or

- Certificate from an accredited MRI Technologist program **plus** a Diploma from an accredited Program in Medical Radiology , Diagnostic Medical Sonography (Ultrasound), Nuclear Medicine **or** Radiation Therapy.

Additional Qualification/Designations/Certifications

- Requires current CPR certification.

Registration Requirements

- Registered with Canadian Association of Medical Radiation Technologists (CAMRT).

Working Conditions:

Physical Demands

- Stands and moves throughout work day.
- Bends, reaches, lifts equipment for short distances.
- Lifts, transfers and positions patient as required, including moving patients with docking tables.

Work Environment

- Exposure to high radio frequencies, static magnetic fields, liquid helium and other chemicals.
- Risk of injury due to the magnetic force of ferrous objects.
- Work is subject to danger of radiation exposure and exposure to needlesticks and bio-hazardous materials.