

## **Alberta Health Services (AHS) 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: **Nuclear Medicine Technologist I**

### **Job Summary:**

The Nuclear Medicine Technologist (NMT) I is the working level technologist, responsible for performing a variety of nuclear medicine procedures for the diagnosis and tracking of disease and pathology.

### **Key Responsibilities and Typical Duties:**

#### **Core Duties**

- Interprets physician requisitions.
- Schedules, prepares and assesses patient for examination including patient identification, consent, patient history, requisition, procedure explanation, proper positioning of patient to the equipment.
- Prepares and administers radiopharmaceuticals (via oral, ventilation or IV route) and non-radiopharmaceuticals, as required.
- Performs technical procedures using radiation scanning equipment and utilizing radiation and/or radioactive materials to produce quality diagnostic images.
- Reviews images for adequate quality with the appropriate individual(s) where required.
- Modifies technical data to ensure complete series of quality diagnostic views for physicians to view and for Radiologists to interpret.
- Operates ancillary equipment such as oxygen, IV and ECG.
- Responsible for radiation safety and quality control.

#### **Other Related Duties**

- Completes documentation of procedures performed (i.e. radiopharmaceutical usage, quality control records on equipment, statistics and patient charts).
- Cleans, maintains and trouble-shoots equipment according to established standards.
- Maintains inventory (non-radiopharmaceuticals); order supplies as required.
- Disposes of radioactive drugs and materials in accordance with department procedures and policies.
- May be responsible for performing decontamination procedures.
- May assist in the development and maintenance of area procedure manuals and protocols.

### **Leadership**

- Acts as a preceptor for Nuclear Medicine students.
- Assists with orientation and general instruction for staff and students as required.
- Provides collegial guidance to other NMT's.

### **Decision-Making**

- Makes day-to-day technical decisions on the operation of scanning equipment including setting, adjusting, correcting production problems as well as patient preparation and positioning.
- Determines appropriate steps required to obtain the desired image utilizing the specific procedure assigned to be performed.
- May make decisions on the flow of patients based on staff, equipment and radioactive supply availability.
- Takes initial action in response to unusual findings or complex cases and attempts to resolve them or refers them to the appropriate individual(s).

### **Knowledge:**

#### **Education**

- Diploma from an accredited Nuclear Medicine Technology (NMT) Program.

#### **Additional Qualifications/Designations/Certification**

- Transportation of Dangerous Goods Certification.

#### **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 lift/transfer acute patients from stretcher.
- Required to push heavy scanning beds.
- Bends, reaches, lifts, and carries equipment/objects for short distances.

#### **Work Environment**

- Spends majority of time in diagnostic examination area.
- Work is subject to danger of radiation exposure, exposure to radioactive and bio-hazardous materials, and needlesticks.