

# Self-Assessment of Clinical Practice

## for internationally trained nuclear medicine technologists

Applicant's name

This self-assessment tool is to assist you in identifying how your previous work experience and post-graduation training and educational opportunities compare to the competency requirements for Alberta-educated technologists. If you have not been employed in the profession, please cross-reference the statements below to your educational program (i.e., courses). The Registration Committee will use this tool as part of its review of your application.

There are six sections in this self-assessment tool. These sections, and the statements below each, closely compare to the required knowledge, skills and attitudes expected of technologists in Alberta. The form must be completed on the computer, then printed off, signed and dated – a form with handwritten responses will not be accepted.

Each statement requires you to complete two steps:

1. For each statement, rate your own professional practice and determine the status of your knowledge, skill, and competency as it relates to the statement. Please review the chart below to understand the rating system. Indicate the number that is applicable to your own practice by writing the number in the statement-corresponding box under the heading "Self-Rating". There is no right or wrong answer.
2. For each statement, in the "Reference" box, enter where you practiced or performed this competency during your clinical experience. The reference should include the facility where the work experience took place, the date range during which it was performed, and specific examples that demonstrate your experience practicing the competency. If you do not have any clinical experience with the competency statement being referenced, please indicate any applicable courses in which you learned about the competency. Please include documents with your application verifying completion of any additional training and educational sessions. The more information you can provide, the more information the Registration Committee will have when making a decision regarding your application.

Self-Assessment Rating Scale		
1	I have never performed or learned about this skill/task.	<i>This is not something taught within the respective clinical program or learned through work experience.</i>
2	I have not performed this skill since my initial training.	<i>This is something only learned in the clinical program and not put into practice while working in the field.</i>
3	I have had experience in this area. The experiences have not been recent.	<i>This is something taught within the clinical program or practiced early on in the career. This skill has not been practiced in the past five years.</i>
4	I have limited experience in this area. The experiences are recent.	<i>This is something taught within the clinical program and/or practiced in the career. The occurrences are infrequent and practiced within the last five years.</i>
5	I have extensive experience in this area. The experiences are recent.	<i>This is something that is performed on a daily basis or fairly regularly. The occurrences are frequent and practiced within the last five years.</i>

## Section 1: Professional Accountability and Responsibility

### Legislation, Standards and Ethics

Competency Statement	Self-Rating
Adhere to and apply the Code of Ethics and Standards of Practice within my practice as outlined by my association or regulatory body.	
<b>Reference:</b>	
Perform my duties while upholding my patients' legal and civil rights.	
<b>Reference:</b>	
Maintain confidentiality of patient information and records.	
<b>Reference:</b>	

### **Teamwork**

<b>Competency Statement</b>	<b>Self-Rating</b>
Work effectively and communicate professionally within a multidisciplinary healthcare team.	
<b>Reference:</b>	
Negotiate resolutions to conflicts and problems in my practice environment.	
<b>Reference:</b>	

### **Professional Advocacy**

<b>Competency Statement</b>	<b>Self-Rating</b>
Supervise, interact with and evaluate student technologists in the practice environment.	
<b>Reference:</b>	

Provide education which is responsive to the diverse needs of the patient, public and healthcare population.	
<b>Reference:</b>	
Share professional knowledge with other members of the multidisciplinary healthcare team.	
<b>Reference:</b>	
Contribute to quality control initiatives and/or research activities.	
<b>Reference:</b>	

### Professional Competence

Competency Statement	Self-Rating
Demonstrate personal commitment to continuing professional development through formal programs and/or self-directed learning.	
<b>Reference:</b>	

## Section 2: Workplace Health & Safety

### Radiation Safety/Protection

Competency Statement	Self-Rating
Consistently apply the principles of ALARA (as low as reasonably achievable).	
<b>Reference:</b>	

Follow established policies and procedures to reduce radiation exposure risks to staff and others within the work environment.	
<b>Reference:</b>	
Follow established policies and procedures regarding patients who might be pregnant.	
<b>Reference:</b>	
Follow established policies and procedures to seek clarification to orders, requisitions or instructions.	
<b>Reference:</b>	

Prevent and manage radioactive contamination of self, equipment and environment.	
<b>Reference:</b>	
Manage radioactive spills according to regulations and employer standards.	
<b>Reference:</b>	
Comply with the regulations when shipping and receiving radioactive materials.	
<b>Reference:</b>	

Perform leak tests, wipe tests and radiation surveys.	
<p><b>Reference:</b></p>	

**Occupational Health and Safety**

<b>Competency Statement</b>	<b>Self-Rating</b>
Consistently apply standards in the handling, use, storage and disposal of hazardous workplace materials.	
<p><b>Reference:</b></p>	
Adhere to Occupational Health and Safety standards in the workplace.	
<p><b>Reference:</b></p>	



### Emergencies

Competency Statement	Self-Rating
Respond appropriately to all facility threats and emergencies.	
<b>Reference:</b>	

### Section 3: Patient Care

#### Patient Environment

Competency Statement	Self-Rating
Administer first aid/basic life support in emergency situations.	
<b>Reference:</b>	

Apply body-fluid precautions to prevent contamination of person(s), equipment and environment.	
<b>Reference:</b>	
Appropriately manage patient ancillary devices (i.e. intravenous (IV) lines and other diagnostic and therapeutic tubes/lines; IV pumps and other patient monitors; oxygen flow).	
<b>Reference:</b>	
Ensure safe patient transfers.	
<b>Reference:</b>	

**Patient Assessment and Intervention**

Competency Statement	Self-Rating
Ensure the patient's understanding of, and consent for, all procedures prior to action.	
<p><b>Reference:</b></p>	
Adapt assessment and screening procedures according to patient's presentation and needs.	
<p><b>Reference:</b></p>	
Identify contraindications to proceed with the patient's procedure.	
<p><b>Reference:</b></p>	

Operate power injector.	
<b>Reference:</b>	
Safely administer medications, radiopharmaceuticals and/or contrast media to the patient as required for imaging purposes.	
<b>Reference:</b>	
Monitor and assess patient vital signs.	
<b>Reference:</b>	

Recognize and respond appropriately to changes in patient condition including when adverse reactions are experienced by patients receiving medications, radiopharmaceuticals or contrast media.	
<p><b>Reference:</b></p>	

**Communication and Education**

Competency Statement	Self-Rating
Provide pre- and post-procedural instructions, education and care to the patient.	
<p><b>Reference:</b></p>	
Provide for the needs of patients and their families.	
<p><b>Reference:</b></p>	

### Recording and Documenting

Competency Statement	Self-Rating
Use current, appropriate and clear medical terminology.	
<b>Reference:</b>	
Input and retrieve data using appropriate media.	
<b>Reference:</b>	

## Section 4: Operation of Equipment

### Fundamental Equipment Procedures

Competency Statement	Self-Rating
Ensure safe operation of radiation emitting, radiation safety and radiation monitoring equipment according to manufacturer's specification and departmental policies.	
<p><b>Reference:</b></p>	
Perform basic troubleshooting; correct or report as appropriate.	
<p><b>Reference:</b></p>	
Operate dose calibrators.	
<p><b>Reference:</b></p>	

Operate well detectors and probes.	
<p><b>Reference:</b></p>	
Operate survey meters and area monitors.	
<p><b>Reference:</b></p>	

**Perform Equipment Quality Control (QC)**

<b>Competency Statement</b>	<b>Self-Rating</b>
Perform QC of imaging equipment according to departmental policies and standards.	
<p><b>Reference:</b></p>	



Perform QC of analytical equipment according to departmental policies and standards.	
<b>Reference:</b>	
Evaluate outcomes of QC procedures.	
<b>Reference:</b>	
Maintain equipment QC and repair records.	
<b>Reference:</b>	

## Section 5: Clinical Procedures

### Radiopharmacy

Competency Statement	Self-Rating
Elute molybdenum generator.	
Reference:	
Perform radionuclide and chemical purity tests on eluate.	
Reference:	
Prepare the eluate and label pharmaceutical with the eluate.	
Reference:	

Perform radiochemical purity tests on radiopharmaceuticals.	
<p><b>Reference:</b></p>	
Accurately calculate and dispense diagnostic and/or therapeutic radiopharmaceuticals.	
<p><b>Reference:</b></p>	

**Fundamental Clinical Procedures**

<b>Competency Statement</b>	<b>Self-Rating</b>
Confirm accuracy and completeness of requisition and resulting documentation.	
<p><b>Reference:</b></p>	

Accurately prepare the patient and the equipment for all procedures.	
<b>Reference:</b>	
Perform venipuncture.	
<b>Reference:</b>	
Insert or remove instruments or devices beyond the opening of the urethra for the purpose of administering diagnostic examinations.	
<b>Reference:</b>	

Input and access digital and electronic data relative to the management of the patient.	
<b>Reference:</b>	
Compound or administer blood or blood products to perform autologous procedures.	
<b>Reference:</b>	
Administer the correct radiopharmaceutical by the appropriate route.	
<b>Reference:</b>	

Perform planar imaging.	
<b>Reference:</b>	
Perform SPECT imaging.	
<b>Reference:</b>	
Perform SPECT/CT imaging.	
<b>Reference:</b>	

Perform PET and/or PET/CT imaging.	
<b>Reference:</b>	
Perform bone mineral densitometry.	
<b>Reference:</b>	
Perform dedicated computed tomography (CT).	
<b>Reference:</b>	

Adapt standard protocols for the patient's age and condition.	
<b>Reference:</b>	
Complete all procedures while adhering to high standards of radiation protection for the patient.	
<b>Reference:</b>	
Assess images and data sets and confirm accuracy, acceptability and completeness.	
<b>Reference:</b>	



Evaluate the need for additional or modified views based on acquired images.	
<b>Reference:</b>	
Optimize and store electronic images.	
<b>Reference:</b>	
Maintain knowledge of pathologies, conditions, diseases and disorders.	
<b>Reference:</b>	

**Additional Procedures**

Competency Statement	Self-Rating
Set up and ensure an acceptable ECG acquisition.	
<p><b>Reference:</b></p>	
Set up patient isolation room for I-131 therapy.	
<p><b>Reference:</b></p>	
Monitor patient receiving I-131 therapy.	
<p><b>Reference:</b></p>	

Decontaminate patient isolation room following I-131 therapy.	
<p><b>Reference:</b></p>	
Prepare standard and stock solutions for the laboratory.	
<p><b>Reference:</b></p>	

## Section 6: Interpretation and Analysis

### Analyze and Enhance Practice

Competency Statement	Self-Rating
Evaluate 'best practices' in relation to quality assurance programs.	
<p><b>Reference:</b></p>	

Participate in professional growth opportunities which include research and presentations.	
<b>Reference:</b>	

### **Applicant's Declaration**

*I verify that all information contained in this self-assessment is accurate.*

Applicant's signature	Date
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