



Self-Assessment and Cross-Referencing

for internationally trained magnetic resonance technologists

Name: _____

Date: _____

This self-assessment tool is meant to assist you in identifying how your previous program education, work experiences and additional post-program training and educational opportunities compare to the general competency outcome requirements for Alberta-trained technologists.

There are six section headings in this self-assessment tool. Each section has statements related to the section heading. The sections and statements closely compare to the required knowledge, skill and attitude expected of technologists in Alberta.

Each statement requires two steps. For the first step, read through each of the self-assessment categories and statements. For each statement, self-assess 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 for your self-assessment. Circle the number that is applicable to your own practice based on your knowledge, skill and competency for each statement. There is no right or wrong answer. This tool is used to assist the Registration Committee when your documents are reviewed.

The second step of each statement is the cross-referencing. Below each statement is space for you to reference where you learned, practiced or performed this skill. If your knowledge and skill for each statement can be referenced to one of your educational program courses, please list the course in the space provided. If the experience comes from your work experience, please list the facility where the work experience took place and the dates. If the experiences in any one of statements come from additional training and educational sessions, please list the learning activity in the space provided and include documents with your application verifying completion of the additional training and educational sessions you listed. The more information you can provide the more information the Registration Committee will have when making a decision regarding your application.

Self- Assessment Categories:		
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

Adhere to and apply the Code of Ethics and Standards of Practice within my practice as outlined by my association or regulatory body. 1 2 3 4 5

Cross – referencing information: _____

Perform my duties while upholding my patients' legal and civil rights. 1 2 3 4 5

Cross – referencing information: _____

Maintain confidentiality of patient information and records. 1 2 3 4 5

Cross – referencing information: _____

Teamwork

Work effectively and communicate professionally within a multidisciplinary healthcare team. 1 2 3 4 5

Cross – referencing information: _____

Negotiate resolutions to conflicts and problems in my practice environment. 1 2 3 4 5

Cross – referencing information: _____

Professional Advocacy

Supervise, interact with and evaluate student technologists in the practice environment. 1 2 3 4 5

Cross – referencing information: _____

Provide education which is responsive to the diverse needs of the patient, public and healthcare population. 1 2 3 4 5

Cross – referencing information: _____

Contribute to quality control initiatives and/or research activities. 1 2 3 4 5

Cross – referencing information: _____

Professional Competence

Demonstrate personal commitment to continuing professional development through formal programs and/or self-directed learning.

1 2 3 4 5

Cross – referencing information: _____

Section 2: Workplace Health & Safety

Magnet/Magnetic Field Safety

Follow established policies and procedures to ensure safety to patients, personnel and equipment in the magnet environment.

1 2 3 4 5

Cross – referencing information: _____

Ensure removal of contraindicated objects from patient or others who enter the magnetic resonance (MR) environment.

1 2 3 4 5

Cross – referencing information: _____

Follow established policies and procedures regarding patients who might be pregnant.

1 2 3 4 5

Cross – referencing information: _____

Follow established policies and procedures to seek clarification to orders, requisitions or instructions.

1 2 3 4 5

Cross – referencing information: _____

Occupational Health and Safety

Consistently apply standards in the handling, use, storage and disposal of hazardous workplace materials.

1 2 3 4 5

Cross – referencing information: _____

Adhere to Occupational Health and Safety standards in the workplace.

1 2 3 4 5

Cross – referencing information: _____

Emergencies

Respond appropriately to all facility threats and emergencies

1 2 3 4 5

Cross – referencing information: _____

Section 3: Patient Care

Patient Environment

Administer first aid/basic life support in emergency situations. 1 2 3 4 5
Cross – referencing information: _____

Apply body-fluid precautions to prevent contamination of person(s), equipment and environment. 1 2 3 4 5
Cross – referencing information: _____

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). 1 2 3 4 5
Cross – referencing information: _____

Ensure safe patient transfers. 1 2 3 4 5
Cross – referencing information: _____

Patient Assessment and Intervention

Ensure patient’s understanding of, and consent for, all procedures prior to action. 1 2 3 4 5
Cross – referencing information: _____

Adapt assessment and screening procedures according to patient’s presentation and needs. 1 2 3 4 5
Cross – referencing information: _____

Identify contraindications to proceed with the patient’s procedure. 1 2 3 4 5
Cross – referencing information: _____

Pre-screen patients according to absolute or potential contraindications prior to initiating the MR procedure. 1 2 3 4 5
Cross – referencing information: _____

Operate power injector. 1 2 3 4 5
Cross – referencing information: _____

Safely administer medications and/or contrast agents to the patient as required for imaging purposes.

1 2 3 4 5

Cross – referencing information: _____

Monitor and assess patient vital signs.

1 2 3 4 5

Cross – referencing information: _____

Recognize and respond appropriately to changes in patient condition including when adverse reactions are experienced by patients receiving medications or contrast agents.

1 2 3 4 5

Cross – referencing information: _____

Communication and Education

Provide pre- and post-procedural instructions, education and care to the patient.

1 2 3 4 5

Cross – referencing information: _____

Provide for the needs of patients and their families.

1 2 3 4 5

Cross – referencing information: _____

Recording and Documenting

Use current, appropriate and clear medical terminology.

1 2 3 4 5

Cross – referencing information: _____

Input and retrieve data using appropriate media.

1 2 3 4 5

Cross – referencing information: _____

Section 4: Operation of Equipment

Fundamental Equipment Procedures

Ensure safe operation of radiation emitting, radiation safety and radiation monitoring equipment according to manufacturer's specification and departmental policies.

1 2 3 4 5

Cross – referencing information: _____

Perform basic troubleshooting; correct or report as appropriate.

1 2 3 4 5

Cross – referencing information: _____

Perform Equipment Quality Control (QC)

Perform QC of imaging equipment according to departmental policies and standards.

1 2 3 4 5

Cross – referencing information: _____

Scan phantoms regularly as part of the MR system's QC procedures.

1 2 3 4 5

Cross – referencing information: _____

Evaluate outcomes of QC procedures.

1 2 3 4 5

Cross – referencing information: _____

Maintain equipment QC and repair records.

1 2 3 4 5

Cross – referencing information: _____

Section 5: Clinical Procedures

Fundamental Clinical Procedures

Confirm accuracy and completeness of requisition and resulting documentation.

1 2 3 4 5

Cross – referencing information: _____

Accurately prepare the patient and the equipment for all procedures.

1 2 3 4 5

Cross – referencing information: _____

Perform venipuncture.

1 2 3 4 5

Cross – referencing information: _____

Insert or remove instruments or devices beyond the opening of the urethra or beyond the anal verge for the purpose of conducting diagnostic scans and imaging of body tissue.

1 2 3 4 5

Cross – referencing information: _____

Input and access digital and electronic data relative to the management of the patient.

1 2 3 4 5

Cross – referencing information: _____

Organize scan sequences for efficiency and with regard for specific absorption rate (SAR). 1 2 3 4 5
Cross – referencing information: _____

Adapt standard protocols for the patient’s age and condition. 1 2 3 4 5
Cross – referencing information: _____

Actively monitor the patient. 1 2 3 4 5
Cross – referencing information: _____

Assess images and data sets and confirm accuracy, acceptability and completeness. 1 2 3 4 5
Cross – referencing information: _____

Optimize and store electronic images. 1 2 3 4 5
Cross – referencing information: _____

Maintain knowledge of pathologies, conditions, diseases and disorders. 1 2 3 4 5
Cross – referencing information: _____

Operate MR System

Select and apply appropriate coil. 1 2 3 4 5
Cross – referencing information: _____

Select appropriate phase and frequency encoding directions for the region of interest, imaging plane and anatomy to be visualized. 1 2 3 4 5
Cross – referencing information: _____

Select parameters necessary to reduce motion effects, achieve desired contrast and optimize image quality. 1 2 3 4 5
Cross – referencing information: _____

Program correct protocol sequences. 1 2 3 4 5
Cross – referencing information: _____

Perform all functions relating to the imaging of physiological and anatomical systems. 1 2 3 4 5
Cross – referencing information: _____

Perform MPR/MIP data manipulations. 1 2 3 4 5
Cross – referencing information: _____

Additional Procedures

Participate in cardiac imaging procedures. 1 2 3 4 5
Cross – referencing information: _____

Participate in MR spectroscopy. 1 2 3 4 5
Cross – referencing information: _____

Participate in functional imaging including perfusion, diffusion and activation studies. 1 2 3 4 5
Cross – referencing information: _____

Section 6: Interpretation and Analysis

Analyze and Enhance Practice

Evaluate 'best practices' in relation to quality assurance programs. 1 2 3 4 5
Cross – referencing information: _____

Participate in professional growth opportunities which include research and presentations. 1 2 3 4 5
Cross – referencing information: _____
