



## Breast Ultrasound

Additional authorization program





## This package is designed to provide the radiological technologist with information about the Breast Ultrasound Additional Authorization available through the Alberta College of Medical Diagnostic and Therapeutic Technologists (ACMDTT).

Under the provision of the *Health Professions Act* of Alberta, a regulated member who has completed advanced training, approved by Council, may be authorized by the Registrar to perform ultrasound examinations.

The objective of the College in providing a program in Breast Ultrasound is to prepare technologists to practice ultrasound of the breast within the clinical setting. The information contained in this package describes the expectations and goals, both academically and experientially, that the technologist must achieve in order to be successful in this program.

The ACMDTT Breast Ultrasound Additional Authorization Program consists of both academic and clinical components:

- The technologist must achieve a minimum of 70% in "Breast Ultrasound" (Course Code - 031) offered by The Burwin Institute ([www.burwin.com](http://www.burwin.com)). The technologist must complete the final exam and the module on ultrasound physics
- The technologist must complete this clinical manual and submit it to the College. This manual documents the successful completion of 400 breast sonograms

A technologist must complete the academic components of the program prior to completing the experiential.

**The clinical component must be completed, and submitted with an Application for Additional Authorization – Breast Ultrasound, within one year of the academic component course completion date.**

### Performance expectations

The candidate who is placed in the clinical environment will be assessed according to the following performance expectations:

#### Application of theoretical knowledge

1. accurately interprets the requisition
2. accurately produces images dependant on mammographic findings
3. independently produces images
4. provides for accurate patient exams/studies in an orderly progression of tasks
5. adheres to high standards of ultrasound safety while performing ultrasound procedures
6. ensures operational readiness of equipment for a procedure/study
7. determines and selects optimal factors based on individual case variables
8. accurately critiques the images which are produced and re-images as appropriate
9. correctly performs quality control procedures according to manufacturers' operational standards
10. exemplifies a strong understanding of professional and regulatory standards of practice

#### Patient relationships

1. identifies self and explains the provider's role
2. confirms the identity of the patient
3. demonstrates respect for patients' rights to make choices and to be fully informed
4. responds appropriately, and in a timely manner, to all patient inquiries
5. protects the patient's confidentiality and takes measures to ensure patient privacy
6. demonstrates sensitivity when dealing with diverse patient populations
7. provides accurate information and checks for understanding

### **Work team relationships**

1. supports the work of the team and shares the workload equitably
2. demonstrates a willingness to learn from various members of the team
3. showcases efforts which are clearly focused and on task
4. exemplifies communication that is meaningful and relevant to the work
5. demonstrates flexibility to changing routines
6. seeks and responds appropriately to feedback

### **Criteria for competence**

By having verifiable competence in these documented procedures of the *Clinical Case Log*, it is imperative that the radiological technologist has demonstrated, through independent actions, the ability to achieve accurate diagnostic sonograms of the breast within a reasonable standard of time regardless of the particular patient presentation.

### **Patient privacy**

When recording the clinical exams in the logbook contained in this guide, it is imperative that technologists respect patient privacy. This may be exemplified by not utilizing patient identifiers (including exam accession numbers) in the completion of this program.

## Clinical Case Log

<b>Name:</b>		<b>ACMDTT #:</b>	
<b>Practicum site:</b>		<b>Name of clinical coordinator:</b>	
<b>Exam</b>	<b>Date</b>	<b>Exam Description</b>	<b>Preceptor's Signature</b>
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## Signing Authority For Verification of Achievement

A radiologist, sonographer or authorized radiological technologist with a minimum of six months full time dedicated experience in breast ultrasound may attest to the competencies achieved by the participating technologist.

Name of Verifier	Current Position	email	Signature

## Verification of Successful Completion

### Candidate Verification

I verify that I have successfully completed all aspects of the clinical learning experience outlined in the ACMDTT Breast Ultrasound Additional Authorization Program.

\_\_\_\_\_  
Technologist's Name

\_\_\_\_\_  
Technologist's Signature

\_\_\_\_\_  
Date

### Clinical Practicum Site Verification

I verify that all aspects of the clinical learning experience have been successfully achieved by the candidate.

\_\_\_\_\_  
Clinical Facility

\_\_\_\_\_  
Clinical Coordinator's Name

\_\_\_\_\_  
Position/Title

\_\_\_\_\_  
Clinical Coordinator's Signature

\_\_\_\_\_  
Date

## Final Submission

All of the applicable items must be submitted to the Registrar, for review, prior to the authorization to apply non-ionizing radiation for the purpose of ultrasound imaging.

Submit the full package including the following completed documents:

- completed Application for Additional and Enhanced Practice Authorization
- Proof of successful completion (with a minimum grade of 70%) of the *Breast Ultrasound* course offered by The Burwin Institute
- Clinical Case Log verifying the number of sonograms performed independently
- Signing Authority for Verification of Achievement
- Final assurance of completion by the Clinical Coordinator

### Submit to:

Registrar  
Alberta College of Medical Diagnostic and Therapeutic Technologists  
Suite 800, 4445 Calgary Trail  
Edmonton AB T6H 5R7

Fax: 780.432.9106





[www.acmdtt.com](http://www.acmdtt.com)