



# Practice Standard

## CT & Contrast Media Authorization

### Purpose

The Alberta College of Medical Diagnostic and Therapeutic Technologists (ACMDTT) is mandated by government to regulate the professions of medical radiation technologists (MRTs) and electroneurophysiology technologists (ENPs).

Accordingly, the College outlines specific standards relevant to the practice of medical diagnostic and therapeutic technologist professions.

The purpose of a Practice Standard is:

- To outline for MRTs and ENPs, employers and the public the standards required for additional and enhanced practice authorizations
- To help identify areas of practice for MRTs and ENPs that require additional or enhanced practice authorizations
- To assist employers to use MRTs and ENPs to the full scope of their practice

### Practice Standard

Nuclear medicine technologists who have completed advanced training approved by the Council may be authorized by the Registrar to perform diagnostic computed tomography (CT) and prepare and/or administer contrast media. This may or may not be in conjunction with PET or SPECT imaging. An authorized nuclear medicine technologist may perform CT independent of a nuclear medicine diagnostic procedure provided that they are competent to perform the CT by virtue of their education and experience, and is consistent with the ACMDTT's Standards of Practice.

The College will assess an individual's initial and renewal application for the practice authorization of CT & Contrast Media on their practice permit, by ensuring compliance with all of the following:

1. Confirmation of having completed one of the approved academic options as outlined in the Computed Tomography and Contrast Media enhanced practice authorization program for nuclear medicine technologists
2. Confirmation of having completed a minimum of 150 hours to meet the required CT competencies as outlined in the Computed Tomography and Contrast Media enhanced practice authorization program for nuclear medicine technologists
3. Annual confirmation that the applicant has maintained competence in performing the additional restricted activities for renewal of authorization

A nuclear medicine technologist is not permitted to perform diagnostic CT beyond the explicit uses of attenuation correction and/or anatomical mapping without this authorization.

### References

*Medical Diagnostic and Therapeutic Technologists Profession Regulation* (AR 61/2005)

ACMDTT. (2013). *Enhanced Practice* (GP 14.11).