

**Alberta's Health Regions and Voluntary Organizations 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: **Physiological Laboratory Technologist I**

Date Updated: **May 20, 2008**

**Job Summary:**

The Physiological Laboratory Technologist I is responsible for the collection, analysis and interpretation of hemodynamic and imaging data from cardiac catheterization and other procedures requiring hemodynamic support.

**Key Responsibilities and Typical Duties:**

**Core Duties**

- Assists with the preparation of procedure area, calibrates and ensures proper functioning of physiological equipment and balances required instruments prior to the start of the procedure.
- Prepares patient for procedure and collects required clinical patient information.
- Records physiological parameters as catheters are passed through the heart.
- Performs measurements and calculations of hemodynamic data, to prove diagnosis.
- Monitors the patient during the procedure and advises the cardiologist of any abnormal condition or items that might require additional recording and calculation.
- Collects, records, logs and analyzes physiological data and prepares/ generates patient reports.
- Draws and details coronary anatomy tree pictures during contrast injections.

**Other Related Duties**

- Assists in clinical research studies as directed.
- Assists with cleaning and packaging of supplies and equipment for sterilization.

**Leadership**

- Assists in the orientation of the cardiology staff and students.
- Assists in training cardiology fellows in hemodynamic calculations.

**Decision-Making**

- Reviews, evaluates and quantifies findings.
- Prepares summary of procedures and recommendations for the Cardiologist's approval.

**Knowledge:**

**Education**

- Diploma from a Canadian Medical Association (CMA) accredited, Cardiac Technology or Cardiopulmonary Technology Program **plus** an allied health diploma or degree, nursing diploma or degree or B.Sc. with allied health experience.

**Registration Requirements**

- Registered with the Canadian Association of Cardiopulmonary Technologists (CACPT).

**Working Conditions:**

**Physical Demands**

- Sitting for extended periods of time.
- Extensive computer use.
- Wears lead lined aprons when circulating in the lab examination areas.

**Work Environment**

- Exposure to needlesticks, biohazardous material and ionizing radiation.