



# *Provincial Job Description*

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**TITLE:**  
**(089) Cardiovascular Technologist**

**PAY BAND:**  
**17**

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***FOR FACILITY USE:***

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***SUMMARY OF DUTIES:***

Assists the cardiologist/cardiovascular surgeon in diagnostic and interventional procedures, which may be performed on neonates, children and adults. May be responsible for performing pacemaker duties.

***QUALIFICATIONS:***

- ◆ Three-year Allied Health diploma recognized by the CACPT
- ◆ Drug administration and intravenous injection training, where required by the job
  - ◆ Registration with Canadian Association of Cardiopulmonary Technologists (CACPT)

***KNOWLEDGE, SKILLS & ABILITIES:***

- ◆ Basic computer skills
- ◆ Interpersonal, organizational and communication skills
- ◆ Analytical skills
- ◆ Ability to work independently

***EXPERIENCE:***

- ◆ Previous: No previous experience.

## ***KEY ACTIVITIES:***

### **A. Cardiac Catheterization**

- ◆ Assists the cardiologist in performing a variety of procedures (e.g., angioplasties, stent delivery balloons/implants).
- ◆ Scrubs, sets up and prepares to assist with specialized procedures/surgeries (e.g., closure of atrial septum defects and patent foramen ovale).
- ◆ Administers medications under the direction of the cardiologist, including insertion and removal of IV's.
- ◆ Monitors patient during procedures (e.g., ECG, blood pressure, oxygen saturations).
- ◆ Informs cardiologist of hemodynamic and cardiac status or any changes affecting patient care.
- ◆ Performs interventions where necessary (e.g., defibrillation, cardioversion).
- ◆ Collects, analyzes and transcribes to the database cardiac catheterization data.
- ◆ Maintains, repairs and troubleshoots equipment used for cardiac catheterization.
- ◆ Disposes of biohazardous waste, as per department procedures and policies.

### **B. Pacemaker Services**

- ◆ Assists with insertion of pacemakers/internal defibrillators.
- ◆ Evaluates, troubleshoots and resolves pacemaker issues using assessment of ECG's, pacemaker/defibrillator technology and knowledge/experience.
- ◆ Evaluates and programs pacemakers for optimal function.
- ◆ Acts as a liaison with various pacemaker clinics/vendors regarding patients and pacemaker technology.
- ◆ Maintains, calibrates and troubleshoots diagnostic pacemaker equipment.
- ◆ Enters information into database and generates reports.
- ◆ Maintains pacemaker inventory.

### **C. Research / Education**

- ◆ Assists with research protocols, gathering statistics, providing and interpreting information for ongoing studies.
- ◆ Responsible for the education of patients regarding various cardiac procedures, causes and prevention of heart disease, and pacemaker technology.
- ◆ Instructs interns, residents and other allied health professionals in the evaluation, maintenance and repair of pacemaker technology and equipment used for cardiac catheterization.
- ◆ Provides occasional guidance to the primary function of others, including training.
- ◆ Archives and stores digital images for viewing and transportation purposes.
- ◆ Transcribes coronary angiogram to database for patient records.

**D. Quality Assurance / Quality Control**

- ◆ **Participates in Quality Assurance/Quality Control programs as required by local protocol and licensing bodies.**

*The above statements reflect the general details considered necessary to describe the principal functions of the job and shall not be construed as a detailed description of all related work assignments that may be inherent to the job.*

*Validating Signatures:*

*CUPE:*

*SEIU:*

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*SGEU:*

*SAHO:*

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*Date: December 7, 2011*