



Provincial Job Description

TITLE:
(089) Cardiovascular Technologist

PAY BAND:
17

FOR FACILITY USE:

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:

- ◆ Cardiovascular Technology diploma
- ◆ Drug administration and intravenous injection training, where required by the job
 - ◆ Certification with Canadian Association of Cardiopulmonary Technologists

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.

Any revisions of this document recommended by the Joint Job Evaluation Maintenance Committee must be approved by the Parties.

Validating Signatures:

CUPE:

SEIU:

SGEU:

SAHO:

Date: 2005

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