UNIVERSITY OF SOUTHERN CALIFORNIA

Echocardiography Technician

Job Code: 187863

Grade: HF
OT Eligible: Yes
Comp Approval: 7/31/2000

JOB SUMMARY:
Performs simple and complex diagnostic echocardiography for patients with cardiac dysfunction. Performs echocardiographic examinations, procedures and tests. Uses cardiac imaging modalities such as M-mode, two dimensional, doppler, color flow, transesophageal and stress echoes. Obtains diagnostic recordings of cardiac ultrasound images and doppler hemodynamic data. Performs quantitative analyses of the echocardiographic studies to produce written reports. Works closely with medical staff to guarantee optimal echocardiography quality.

JOB ACCOUNTABILITIES:

*E/M/NA  % TIME

--- --- Performs echocardiographic examinations procedures and tests. Utilizes appropriate scan techniques and knobology to optimize examination. Uses cardiac imaging modalities such as M-mode, two dimensional, doppler, color flow, transesophageal and stress echoes.

--- --- Obtains pertinent clinical information from the patients, referring physician, patient's record, cardiac-related physical findings and laboratory data to apply the necessary sonographic techniques to obtain comprehensive and diagnostic echocardiographic information.

--- --- Obtains routine periodic quality assurance and safety checks on the ultrasound equipment. Maintains awareness of patient exposure to ultrasonic energy and its effects on human tissue systems in order to ensure patient safety without sacrificing examination quality.

--- --- Operates computer data acquisition system for echo report generation and image storage systems. Selects correct images for acquisition and stores appropriately in the database.

--- --- Performs quantitative analysis of the echocardiographic study to produce a written report. Generates a preliminary echo report containing basic descriptive and quantitative data in defined formats. Ensures that information is properly entered on all echocardiography records.

--- --- Works closely with medical staff to guarantee optimal echocardiography quality. Provides quality care by adhering to departmental policies, procedures and safety, environmental and infection control guidelines.

--- --- Communicates results of examination to patient, to medical record and to physicians.

Perform other related duties as assigned or requested. The University reserves the right to add or change duties at any time.

*Select E (ESSENTIAL), M (MARGINAL) or NA (NON-APPLICABLE) to denote importance of each job function to position.

EMERGENCY REPSONSE/RECOVERY:
Essential: No
In the event of an emergency, the employee holding this position is required to “report to duty” in accordance with the university’s Emergency Operations Plan and/or the employee’s department’s emergency response and/or recovery plans. Familiarity with those plans and regular training to implement those plans is required. During or immediately following an emergency, the employee will be notified to assist in the emergency response efforts, and mobilize other staff members if needed.

**JOB QUALIFICATIONS:**

**Minimum Education:**
- High School or equivalent
- Specialized/Technical Training

**Minimum Experience:**
- 1 Year

**Minimum Field of Expertise:**
- Current/valid California State LPN license and BCLS certification. Patient care experience. Experience performing M-mode and two dimensional echocardiograms and doppler procedures. Knowledge of cardiac anatomy and physiology, patient care, positioning and specialized techniques.

**Preferred Education:**
- Related Undergraduate Study

**Preferred Experience:**
- 2 Years

**Preferred Field of Expertise:**
- Clinical experience in hospital, ambulatory care or college health center. Bi-lingual English/Spanish.

**Skills: Administrative:**
- Answer telephones
- Clinical documentation
- Communicate with others to gather information
- Gather data
- Input data
- Prioritize different projects
- Read handwritten text
- Research information
- Understand and apply policies and procedures
- Use database and/or word processing software

**Skills: Other:**
- Knowledge of applicable laws/policies/principles/etc.
- Problem identification and resolution

**Skills: Machine:**
- Computer Network (Department or School)
- Personal Computer

**Supervises: Level:**
- May oversee student, temporary and/or casual workers.
SIGNATURES:

Employee: ______________________________ Date: ______________________________

Supervisor: ______________________________ Date: ______________________________

The above statements are intended to describe the general nature and level of work being performed. They are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of personnel so classified.

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