DIVISION SCOPE OF SERVICE

Division: CAPITAL

DHP Classification: CARDIOVASCULAR TECHNOLOGIST (CARDIAC TECH/ CV TECH) - NON-INVASIVE

Name of Dependent Healthcare Professional (DHP):

Cardiovascular Technologist (Cardiac Tech/ CV Tech) - Non-Invasive:
The Non-Invasive Cardiovascular Technologist must have equivalent qualifications, competence and function in the same role as employed individuals performing the same or similar services at the facility, as defined by facility job description.

Definition of Care or Service:
The Non-Invasive Cardiovascular Technologist assists physicians in the diagnosis and treatment of cardiac and peripheral vascular disease via non-invasive techniques. Scope of Service may include:

- Assists with non-invasive studies
  - EKG
  - Stress testing
  - Holter monitor
  - Doppler study
- Record and/or perform non-invasive cardiovascular studies
  - Adult
    - Echocardiography
    - TEE
    - Stress Echocardiography
  - Pediatrics
    - Echocardiography
    - TEE
  - Fetal
    - Cardiac Ultrasound
- Record data and perform preliminary analysis of non-invasive peripheral vascular data in studies such as:
  - Vascular ultrasound
  - Doppler ultrasound
  - Thermography
  - Plethysmography
- Explains the procedure to the patient
- Obtains and records a patient medical history relevant to the condition being studied
  - Reviews the patient medical record
- Positions the patient for the exam
- Utilizes non-invasive cardiac equipment to perform diagnostic examination
  - Selects and stores data
  - Performs preliminary analysis of noninvasive cardiology data
  - Adjusts, maintains and cleans non-invasive cardiac equipment
- Maintains and secures patient data and records
- Documents the procedure in the medical record
- Demonstrates Clinical and Service excellence behaviors to include code of HCA conduct core fundamentals in daily interactions with patients, families, co-workers and physicians

NOTE: Technologist involved in the performance of echocardiogram or vascular ultrasound must comply with Diagnostic Medical Sonographer Scope of Service.

Setting(s):
- Healthcare facilities including but not limited to hospitals, outpatient treatment facilities, imaging centers, and physician practices
- Non-invasive procedures may occur in the patient’s room
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**Supervision:**
- Direct supervision by department director, site manager or designee
  - Indirect supervision by physician or other licensed independent practitioner that defines the final patients’ study results
- Supervision is defined by any limitations in practice that may be addressed by state law

**Evaluator:** Department director or designee in conjunction with supervising physician or licensed independent practitioner

**Qualifications:**
- Completion of an appropriate cardiovascular (or radiologic) technologist training program including:
  - Allied Health Professional Training with one year of specialty training (minimum)
  - Associates Degree or higher in Cardiovascular Technology or equivalent field of study
- License as a RN
- Eligible or registered as a Radiology Technologists – Registered (RTR) through AART. Must be registered within one year of eligibility. OR
- Professional certification or registration through Cardiovascular Credentialing International (CCI) as one of the following. If eligible, must be certified/registered within one year of eligibility. (Cardiac sonographers and vascular technologists may also obtain certification from the American Registry of Diagnostic Medical Sonographers.)
  - Registered Cardiovascular Invasive Specialist (RCIS)
  - Registered Cardiac Sonographer (RCS)
  - Registered Diagnostic Cardiac Sonographer (RDCS)
  - Registered Vascular Specialist (RVS)
- American Heart Association health care provider BLS Certification

**State Requirements:**
- ARDMS certification through the American Registry for Diagnostic Medical Sonography which is (RDCS) or CCI certification through the Cardiovascular Credentialing International committee (RCS)-STATE OF VIRGINIA ONLY

**Experience:**
The Cardiovascular Technologist provides documentation of at least one-two years’ experience in interventional radiology or cardiovascular lab procedures or recent graduate from an approved cardiovascular (or radiology) technologist training program and certified or registered within one year of eligibility.

**Competencies:**
The Cardiovascular Technologist will demonstrate:
- Safe and effective operation of non-invasive cardiac equipment
  - Consistently obtains quality diagnostic outputs
  - Maintains equipment in good working order
  - Demonstrates effective infection control practices related to equipment operation
- Accurate patient information review and evaluation
  - Uses at least two ways to identify patients before treating or performing a procedure
  - Verifies that the requested procedure correlates with the patient’s clinical history, presentation and physician order
  - Participates in the pre-procedure process to verify the correct procedure, for the correct patient, at the correct site and involves the patient in the verification process when possible
  - Accesses the patient medical record appropriately
  - Documents in the medical record according to the facility standard/policy
- Appropriate diagnostic examination results
  - Performs the non-invasive study to comply with applicable protocols and guidelines
  - Utilizes non-invasive study technique as indicated by the examination, according to established facility policy and procedures under state law
  - Notifies the appropriate health provider when immediate treatment is necessary, based on procedural findings and patient conditions
DIVISION SCOPE OF SERVICE

- Recognizes the need for an urgent report and takes appropriate action
  - Provides a written or oral summary of preliminary findings to the physician
- Infection Prevention
  - Practices consistent hand hygiene
  - Uses personal protective equipment (PPE)
  - Required immunizations per DHP Division requirements
  - Complies with isolation precautions

References:


DHP Printed Name: _______________________  DHP Signature: _________________________
Company/ Vendor: ___________________________  Date: ____________________