**DIVISION SCOPE OF SERVICE**

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<th>Division: GULF COAST</th>
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<tr>
<td>DHP Classification: PET / CT TECHNOLOGIST</td>
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<td>Name of Dependent Healthcare Professional (DHP):</td>
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**PET/ CT Technologist:**
The PET/CT technologist must have equivalent qualifications and competence as employed individuals performing the same or similar services at the facility. Additional requirements are defined based on specialty.

**Description of Care or Service:**
Operates Positron Emission Tomography/Computerized Tomography equipment to produce images and measure concentrations of radioactive isotopes in specific body areas to obtain information for use by physicians in diagnosing and treating patient illnesses. Follows rules and regulations established by the Joint Commission in the proper method of handling radioactive isotopes and the provision of quality patient care. Scope of Service may include:

- Positions and immobilizes patient on examining table, using supportive devices to obtain precise patient position and following protocols specified by the Radiologist.
- Conducts glucose screening in accordance with CLIA, state mandates and/or written site agreements designating inclusion in site’s CLIA license.
- Administers isotope dosage and records dosage administered following established departmental procedures. Observes patient during procedure and reports unusual occurrences to physician at once.
- Enters data such as type of scan requested, scan time, and other technical data into computer. Starts scanner to scan designated anatomical area of patient. Communicates with patient over intercom system and observes patient to monitor patient safety and comfort.
- Performs diagnostic studies on patients as described by physician, using scanner or scintillation cameras to detect radiation emitted and to produce images of organs. Follows radiation safety techniques in usage and disposal of radioactive isotopes in accordance with departmental procedures.
- Views images to insure technical quality.
- Performs highest quality imaging consistent with prescribed examination. Maintains accurate Q/C logs, service records, patient procedure logs, etc. Maintains professional technologist/patient relationship and work practices.
- Understands and practices proper use of all equipment. Operates equipment within manufacturer’s specifications and guidelines.
- Performs all duties in accordance with Alliance Imaging Policies and Procedures Manual and supplemental procedure established for Nuclear Medicine/PET.
- Follows all infection control and safety procedures as outlined in the Bloodborne Pathogens in-service and Infection Control Plan.

**Setting(s):**
- Healthcare facilities including but not limited to hospitals, outpatient treatment facilities, imaging centers, and physician practices
- Mobile imaging centers

**Supervision:**
- Direct supervision by department director, site manager or designee
  - Indirect supervision by physician or other licensed independent practitioner that defines final study results
- Supervision is defined by any limitations in practice that may be addressed by state law

**Evaluator:** Department director, site manager or designee

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## Qualifications:
- RT with a minimum of 1-2 years related experience and/or training; Certification with the NMTCB and/or ARRT. Knowledge and understanding of general anatomy, Radiation Safety principles and medical terminology preferred. CPR certified.

## Experience:
The PET/CT technologist provides documentation that they have a minimum of 1-2 years related experience and/or training in the field.

**Note:** Facility should establish a minimum experience standard

## Competencies:
PET/CT technologist will demonstrate:
- Safe and effective operation of equipment
  - Consistently obtain quality diagnostic images and measurements
  - Maintains equipment in good working order
- 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 preprocedure 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 examination to comply with applicable protocols and guidelines
  - Uses scanning techniques 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
    - 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)
  - Maintains current immunization for influenza
  - Complies with Isolation precautions