

# **DIVISION SCOPE OF SERVICE**

<b>Division:</b> NORTH TEXAS
<b>Classification:</b> CERTIFIED NUCLEAR MEDICINE TECHNOLOGIST
<b>Applicant Name:</b>
<p><b>Certified Nuclear Medicine Technologist:</b> The Certified Nuclear Medicine 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.</p> <p><b>Definition of Care or Service:</b> The Certified Nuclear Medicine Technologist is responsible for providing timely diagnostic and therapeutic services to both inpatient and outpatients under the direction of a Radiologist and departmental protocols. These duties are performed in accordance with the facilities policies and procedures. Scope of service may include:</p> <ul style="list-style-type: none"> <li>• Patient/family teaching including radiation safety precautions</li> <li>• Manages and administers a variety of nuclear isotopes for the purpose of scanning for and detecting pathology</li> <li>• Operating a gamma scintillation camera, or scanner, which creates pictures of the drug as it passes through parts of the patient's body and monitors the concentration levels of the drugs</li> <li>• Oversees quality program in regulating, maintaining and calibration of equipment used</li> <li>• Collects and interprets all available patient data – to meet the identified patient care goals for a patient in Nuclear Med</li> <li>• Understands best methods to achieve optimal results in the form of films, radiographs, films and isotope dosages</li> <li>• Recognizes indications, contraindications and precautions for Nuclear Med patients</li> <li>• Use of specialized equipment and devices used in the Nuclear Med Department including designated equipment in resuscitation efforts</li> <li>• Develops treatment procedure plans for nuclear medicine treatment programs</li> <li>• Demonstrates Clinical and Service excellence behaviors to include code of HCA conduct core fundamentals in daily interactions with patients, families, co-workers and physicians.</li> </ul>
<p><b>Setting(s):</b></p> <ul style="list-style-type: none"> <li>• Hospitals, inpatient and outpatients</li> </ul>
<p><b>Supervision:</b></p> <ul style="list-style-type: none"> <li>• Works directly under the supervision of a Radiologist</li> </ul> <p><b>Evaluator:</b> Imaging department director or designee</p> <p><b>Tier Level:</b> 3</p> <p><b>eSAF Access Required:</b> YES</p>
<p><b>Qualifications:</b></p> <ul style="list-style-type: none"> <li>• Associates degree or higher</li> <li>• Radiology Technologist Certification from <u>one</u> of the below: <ul style="list-style-type: none"> <li>○ American Registry of Radiologic Technologists (ARRT)</li> </ul> </li> </ul>

## DIVISION SCOPE OF SERVICE

- Nuclear Medicine Technology Certification Board (NMTCB)

- American Heart Association or Red Cross health care provider BLS Certification

### **Preferred Qualifications:**

- Graduate of Joint Review Committee on Educational Programs in Nuclear Medicine Technology (JRCNMT) accredited school of Nuclear Medicine
- Nuclear Medicine Technology Certification Board (NMTCB) in Positron Emission Tomography (PET) Technology Certification

**NOTE:** Where education may not be defined in qualifications area of the Scope, HCA requires the highest level of education completed (not training or courses) confirmed on your background check.

### **State Requirements:**

- Certified Medical Radiologic Technologist or Nuclear Medicine Technologist License in State of Texas

### **Experience:**

- Minimum of 1 year Hospital experience as a Certified Nuclear Medicine Technologist or Radiologic Technologist

### **Competencies:**

The Certified Nuclear Medicine Technologist will demonstrate:

- Demonstrates preparation and calculation of ordered dosage of radiopharmaceuticals
- Analyzes the diagnostic images and interprets the results of lab tests
- Demonstrates accurate calibration and completion of various tests used to ensure accuracy and quality of test results with the equipment used in the nuclear medicine department
- Demonstrates how to collect blood and urine samples from patients
- Positions radiation fields, radiation beams, and patient to allow for most effective treatment of patient's disease
- Employ radiation safety methods (including the use of syringe shields, gloves, and personal radiation-monitoring devices) to protect patients and the medical staff from radiation exposure
- Accurately collects and assesses patient information, evaluation of interventions and documentation
- Demonstrates safe and effective operation of gamma scintillation camera and scanner equipment
- Prints, develops and organizes films. Ability to recognize and correct films that are inadequate in quality
- Shows how to add radioactive substances to biological specimens, such as blood, urine and feces, to determine therapeutic drug or hormone levels
- Measures glandular activity, blood volume, red cell survival, and radioactivity of patient, using scanners, Geiger counters, scintillometers, and other laboratory equipment
- Infection Prevention
  - Practices consistent hand hygiene
  - Uses personal protective equipment (PPE) when required
  - Required immunizations per Division requirements
  - Complies with Isolation precautions

### **References:**

- The American Registry of Radiologic Technologists <https://www.arrt.org/>
- Nuclear Medicine Technology Certification Board [www.nmtcb.org/](http://www.nmtcb.org/)
- (JRCNMT) accredited schools <http://www.jrcnmt.org/find-a-program/>



## DIVISION SCOPE OF SERVICE

**Your signature confirms you will be able to comply with the Qualifications and Competencies listed within this Scope of Service and that you will confirm education via your background check.**

**Applicant Printed Name:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_