# Division Scope of Service

**Division:** MIDAMERICA  

**DHP Classification:** RADIATION PHYSICISTS-NUCLEAR  

**Name of Dependent Healthcare Professional (DHP):** Radiation Physicists  

The Radiation Physicist-Nuclear 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 Radiation Physicist-Nuclear develops a comprehensive quality management program that monitors and evaluates critical imaging equipment and processes. Scope of Service may include:

- Provides active support in Radiation Protection programs and support to the RSO  
- Performs radioactive material absorption calculations for the Nuclear Medicine department  
- Evaluation of nuclear imaging procedures  
- Evaluation of nuclear medicine equipment prior to clinical use  
- Evaluation of nuclear imaging and radioactivity measurement  
- May be required to serve as Radiation Safety Officer or Assistant Radiation Safety Officer for the medical center  
- Develops educational programs for patients, employees, residents, and other customers as necessary  
- Maintains monitoring and documentation of staff radiation exposure  
- Inspects all areas where radioactive materials are stored, used, or disposed  
- Supervises sealed and unsealed radioisotope preparation, handing, and inventory  
- Performs wipe test for all Radioactive Sources  
- Participates in the improvement of operational functions of the department including protocol optimization  
- Monitors and evaluates the quality and appropriateness of care and practices identifying opportunities for improvement through collaboration  
- Responsible for providing all dose-calculation services necessary for patient treatment and diagnosis with external, interstitial, intra-cavitary, and distributed internal sources  
- Demonstrates Clinical and Service excellence behaviors to include code of HCA conduct core fundamentals in daily interactions with patients, families, co-workers and physicians.

**Setting(s):**  
- Healthcare facilities including but not limited to hospitals, outpatient treatment facilities, imaging centers, and physician practices  
- Imaging, Cardiac Cath Lab, Surgery, Nuclear Medicine

**Supervision:**  
- Direct supervision by Radiation Safety Officer, Radiation Safety Committee, and/or Imaging Director

**Evaluator:** Imaging department director or designee

**Qualifications:**  
- MS or Ph.D.  
- Completion of an approved residency or post-doctoral program (CAMPEP)  
- Licensure/Registration: Licensed Medical Health Physicist or  
- Certification: American Board of Radiology or American Board of Medical Physics in Diagnostic Radiology or Medical Imaging (ABMP)

Revised 1/5/17
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State Requirements:
- N/A

Experience:
A minimum of two years’ prior clinical experience as a hospital medical physicist or radiation physicist

Competencies:
The Radiation Physicist-Nuclear will demonstrate:
- Expertise in diagnostic radiological physics
- Evaluates radiological imaging procedures prior to clinical use
- Develops/evaluates of policies and procedures related to the appropriate clinical use of radiation for imaging purposes
- Develops and manages a comprehensive quality management program that monitors and evaluates critical imaging equipment and processes
- Reviews diagnostic imaging dosimetry information noted in patient records
- Consults on patient or personnel radiation dose and associated risks
- Expertise in medical health physics and medical nuclear physics
- Audits regulatory program
- Prepares RAM license and license amendments
- Calibrates equipment and ensures equipment is functioning properly
- Reviews dosimetry information
- Consults on patient radiation dose and associated risks
- Evaluates nuclear imaging or radioactivity measurement procedure prior to clinical use
- Develops/evaluates of policies and procedures related to the appropriate clinical use of radiation for nuclear imaging/radioactivity measurement purposes
- Reviews radiopharmaceutical dosimetry information noted in patient records
- Consults on patient or personnel radiation dose and associated risks
- Audits regulatory program
- Calibrates equipment and ensures equipment is functioning properly
- Reviews dosimetry information
- Consults on patient radiation dose and associated risks
- Evaluates nuclear imaging or radioactivity measurement procedure prior to clinical use
- Develops/evaluates of policies and procedures related to the appropriate clinical use of radiation for nuclear imaging/radioactivity measurement purposes
- Reviews radiopharmaceutical dosimetry information noted in patient records
- Develops and manages a comprehensive quality management program that monitors and evaluates critical nuclear imaging and radioactive measurement equipment and processes
- Consults on patient or personnel radiation dose and associated risks
- Develops/evaluates a comprehensive clinical radiation safety program in nuclear medicine
- Maintains standards set by HCA Corporate Radiation Right Policy
- Infection Prevention
  - Practices consistent hand hygiene
  - Uses personal protective equipment (PPE)
  - Required immunizations per DHP Division requirements
  - Complies with Isolation precautions

References:
- Briefings on Credentialing White Paper – Radiation Physicist

DHP Printed Name: ________________________  DHP Signature: ________________________

Company/Vendor: ____________________________  Date: ____________________________

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