

DIVISION SCOPE OF SERVICE

Division: NORTH FLORIDA
DHP Classification: RADIATION PHYSICISTS-DIAGNOSTIC
Name of Dependent Healthcare Professional (DHP):

<p>Radiation Physicists – Diagnostic</p> <p>The Radiation Physicists – Diagnostic 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>Definition of Care or Service:</p> <p>The Radiation Physicists – Diagnostic plays a principal role in the review of image quality and radiation exposure levels, the development of systems and policies, the review of consistency between plans and their execution, and problem solving. Scope of Service may include:</p> <ul style="list-style-type: none"> Provides active support in Radiation Protection programs and support to the RSO Surveys, inspects, and calibrates all diagnostic, fluoroscopic, and Nuclear Imaging--producing equipment to ensure proper functioning Performs radioactive material absorption calculations for the Nuclear Medicine department Serves as 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, handling, 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 Demonstrates Clinical and Service excellence behaviors to include code of HCA conduct core fundamentals in daily interactions with patients, families, co-workers and physicians.
<p>Setting(s):</p> <ul style="list-style-type: none"> Healthcare facilities including but not limited to hospitals, outpatient treatment facilities, imaging centers, and physician practices Imaging, Cardiac Cath Lab, Surgery, Nuclear Medicine
<p>Supervision:</p> <ul style="list-style-type: none"> Supervision by Radiation Safety Officer, Radiation Safety Committee, and/or Imaging Director <p>Evaluator:</p> <ul style="list-style-type: none"> Imaging department director or designee
<p>Qualifications:</p> <ul style="list-style-type: none"> MS or Ph.D. in medical physics or the physical sciences required Licensure/Registration: Licensed Medical Health Physicist or Certified by the American Board of Radiology in Diagnostic Radiological Physics or equivalent upon hire, or eligible for Board Certification with completion in 3 years from date of hire
<p>State Requirements:</p> <ul style="list-style-type: none"> N/A
<p>Experience:</p> <p>A minimum of two years' prior clinical experience as a hospital medical physicist or radiation physicist required</p>
<p>Competencies:</p> <p>Radiation Physicists – Diagnostic will demonstrate:</p> <ul style="list-style-type: none"> Develop specifications for imaging equipment and diagnostic radiation detectors

DIVISION SCOPE OF SERVICE

- Develop procedures for the initial and continuing evaluation of imaging equipment and diagnostic radiation detectors
- Provide evidence of compliance of imaging equipment with regulatory and accreditation agency rules and recommendations
- Measure and characterize of medical radiation from imaging equipment prior to clinical utilization
- Perform acceptance testing, evaluation and commissioning of imaging equipment and/or their associated computer systems, algorithms, data, and output
- Develop and/or evaluate of policies and procedures related to the appropriate clinical use of radiation for imaging purposes
- Review diagnostic imaging dosimetry information noted in patient records
- Develop and manage of a comprehensive Quality Management Program that monitors, evaluates, and optimizes imaging processes
- Consult in the development and/or evaluation of a comprehensive clinical radiation safety program in diagnostic imaging
- Consult on patient or personnel radiation dose and associated risks
- Provide diagnostic imaging physics training for medical practitioners and other health-care providers
- Provide consultation to assure an optimized balance between image quality and patient dose
- Provide institutional consultation on program development in diagnostic imaging
- Plan and specify of thickness, material, and placement of shielding needed to protect patients, workers, the general public and the environment from radiation produced incident to diagnosis or treatment of humans
- Assess and evaluate of installed shielding designed to protect patients, workers, the general public and the environment from radiation produced incident to diagnosis or treatment of humans
- Participate in informatics development and direction
- Apply other medical applications of physics as appropriate to safely carry out diagnostic radiologic procedures
- Develop and apply Medical Health Physics procedures associated with the practice of Diagnostic Radiology
- Infection Prevention
 - Practices consistent hand hygiene
 - Uses personal protective equipment (PPE)
 - Required immunizations per DHP Division requirements
 - Complies with Isolation precautions

References:

<http://www.aapm.org/org/policies/details.asp?id=317&type=PP¤t=true>
https://www.aapm.org/pubs/reports/RPT_42.pdf

DHP Printed Name: _____ DHP Signature: _____

Company/ Vendor: _____ Date: _____