

DIVISION SCOPE OF SERVICE

Division: CAPITAL
Classification: DIAGNOSTIC IMAGING PHYSICIST ASSOCIATE
Applicant Name:

<p>Diagnostic Imaging Physicist Associate: The Diagnostic Imaging Physicist Associate must have equivalent qualifications, competence and function, in the same role as employed individuals performing the same or similar services at the facility.</p>
<p>Definition of Care or Service: The Diagnostic Imaging Physicist Associate, works under the supervision of a Diagnostic Imaging Physicist, uses their knowledge of imaging science and medicine, with appropriate analytical techniques, to collect information and create reports for review and signature by the Diagnostic Imaging Physicist to document the quality and safety of diagnostic imaging equipment. They may also provide guidance about safe use and regulatory requirements for MRI safety, radiation safety, occupational dosimetry, and radioactive materials. They consult with a wide range of medical, technical, and administrative staff. <u>They will not have direct patient contact and are not involved in hands-on patient care.</u></p> <p>They use a variety of specialized instrumentation and an understanding of clinical operations, to conduct periodic quality assurance (QA) surveys on some types of diagnostic imaging equipment and some radiation therapy equipment (no patients).</p> <p>*X-Ray (Radiographic and Fluoroscopic), Radiation Protection Surveys, Nuclear Medicine, and MRI*</p> <p>These QA surveys, ensure image quality and patient and operator safety. The QA surveys are part of the required documentation for accreditation; accreditation compliance is required by various organizations, such as the ACR, the Joint Commission, or the Center for Medicare Services.</p> <p>Specifically, their QA testing shall include: X-Ray (including radiographic rooms, R&F (radiographic and fluoroscopic) rooms, C-Arms, portable X-ray units, Protective equipment inspections (E.G., aprons, etc.) and Radiation Protection Surveys, Cardiac Cath systems, Interventional Radiology systems, Bi-Plane systems, and Cystography systems), Dental X-ray units, Bone Densitometers, Nuclear Medicine Gamma Cameras, Dose Calibrators, Radiation Survey Instrumentation, PET scanners, MRI scanners, and Ultrasound systems. Mammography, Computed Tomography (CT), or Cone-Beam CT systems, have specific regulatory requirements and these systems must be accomplished directly by a qualified Diagnostic Imaging Physicist.</p> <p>The <u>Scope of Service</u> may include:</p> <ul style="list-style-type: none"> • Conducting quality assurance surveys for the imaging equipment listed above, including: testing of image quality and machine performance, quality control and calibration, and safety surveys as directed Diagnostic Imaging Physicist. • Conduct Radiation Protection Surveys as directed by Diagnostic Imaging Physicist. • Provide guidance, within their scope of practice, at radiation safety committee meetings or to hospital staff or physicians regarding radiation exposure and safety as directed by Diagnostic Imaging Physicist. • Training hospital staff on performance of routine QC techniques, Radiation Safety, HazMat Shipping and Handling, or MRI safety, as directed by the Diagnostic Imaging Physicist. • Supports Radiation Safety Committee and Radiation Right as a Radiation Safety Officer or as an invited

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<p>advisor for consultation on Radiation Safety and imaging safety as requested</p> <ul style="list-style-type: none"> • Demonstrate clinical skills required to practice under supervision, at the doctoral level of psychology in a family medicine setting, while collecting training hours for licensure.
<p>Setting(s): (no direct patient contact)</p> <p>Healthcare facilities including but not limited to: hospitals, outpatient treatment facilities, imaging centers, physician practices, and government agencies at:</p> <ul style="list-style-type: none"> ○ Imaging department, or ○ Radiology department, or ○ Operating Room department (not during operations), or ○ Cardiac Cath department (not during operations), or ○ Oncology Departments (only Imaging Equipment surveys shall be performed - such as a dose calibrator calibration, or PET scanner surveys).
<p>Supervision:</p> <ul style="list-style-type: none"> • Supervision by a Diagnostic Imaging Physicist using techniques or procedures sanctioned by a Diagnostic Imaging Physicist and facility Imaging/Radiology Director, or the Radiation Safety Officer, or the Radiation Safety Committee. <p>Evaluator:</p> <ul style="list-style-type: none"> • Diagnostic Imaging Physicist in conjunction with Radiology/Imaging Department Director <p>Tier Level: 2</p> <p>eSAF Access Required: YES</p>
<p>Qualifications:</p> <ul style="list-style-type: none"> • Bachelor's degree or higher <p>Preferred Qualifications:</p> <ul style="list-style-type: none"> • Licensed or registered as a Radiology Technologist with American Society of Radiologic Technologists (ASRT) or • Certified Nuclear Medical Tech (CNMT) <p>NOTE: Where education may not be defined in qualifications area of the Scope, HCA Healthcare requires the highest level of education completed (not training or courses) confirmed on your background check.</p>
<p>State Requirements:</p> <ul style="list-style-type: none"> • N/A
<p>Experience:</p> <ul style="list-style-type: none"> • Minimum 2 years' experience as Radiation Protection Technician, or a Radiologic Technologist, or Nuclear Medicine Technologist, or Diagnostic Imaging Physicist Associate, or • A Medical Physicist In Training under the supervision of a Diagnostic Imaging Physicist
<p>Competencies:</p> <p>The Diagnostic Imaging Physicist Associate will demonstrate:</p> <ul style="list-style-type: none"> • Assist with the development of specifications for imaging equipment and diagnostic radiation detectors • Assist with the development of 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

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- 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
- Assist with the development and/or evaluation of policies and procedures related to the appropriate clinical use of radiation for imaging purposes
- Consult in the development and/or evaluation of a comprehensive clinical radiation safety program in diagnostic imaging
- 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
- Assess and evaluate 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 Division requirements
 - Complies with Isolation precautions
 - Maintains sterile field

References: N/A

Document Control:

- Created 10/24/2017
- Revised-Cosmetic 4/21/2020

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: _____