



# DIVISION SCOPE OF SERVICE

<b>Division: ALL HCA DIVISIONS-NOT INCLUDING SAN ANTONIO</b>
<b>Classification: QUALIFIED MEDICAL PHYSICIST-MEDICAL</b>
<b>Applicant Name:</b>

<p><b>Qualified Medical Physicist– Medical</b></p> <p>The Qualified Medical Physicist– Medical must have equivalent qualifications and competence as employed individuals performing the same or similar services at the facility.</p> <p><b>Definition of Care or Service:</b></p> <p>The Qualified Medical Physicist– Medical develops a comprehensive quality management program that monitors and evaluates critical imaging equipment and processes. This branch of medical physics deals with the safe use of roentgen rays, gamma rays, electron or other charged particle beams, neutrons, radionuclides, and radiation from sealed radionuclide sources for both diagnostic and therapeutic purposes in humans and the use of equipment required to perform appropriate radiation tests and measurements. Scope of Service may include:</p> <ul style="list-style-type: none"> <li>• Evaluation of radiological imaging procedures (for diagnostic medical physics)</li> <li>• Develop specifications for imaging equipment and diagnostic radiation detectors (for diagnostic medical physics)</li> <li>• Plan and specify thickness, material, and placement of shielding needed to protect patients, workers, and the general public and the environment from radiation produced incident to diagnosis or used in the treatment of humans.</li> <li>• Assess and evaluate installed shielding designed to protect patients, workers, and the general public from radiation produced incident to diagnosis or for treatment of humans</li> <li>• Develop radiation protection equipment specifications</li> <li>• Develop procedures for the initial and continuing evaluation of radiation protection equipment and procedures.</li> <li>• Monitor compliance with radiation protection, policies and procedures, regulations, accreditation organization(s) standards, and national recommendations</li> <li>• Perform acceptance testing and commissioning of radiation protection equipment and devices and commissioning of facilities.</li> <li>• Perform acceptance testing and evaluation of radiation protection computer systems, their algorithms, data and output.</li> <li>• Evaluate radiation safety procedures prior to use</li> <li>• Development, manage and/or evaluate a radiation safety program</li> <li>• Provide radiation-protection training for medical practitioners, and other health-care providers</li> <li>• Determine presence, evaluate and assess any radiological hazard resulting from the use of ionizing radiation or radioactivity for compliance with appropriate regulatory and accreditation agencies</li> <li>• Evaluation of nuclear imaging and radioactivity measurement (for nuclear medical physics)</li> <li>• Measure and characterize medical radiation from radiopharmaceuticals prior to clinical utilization (for nuclear medical physics)</li> <li>• Evaluate nuclear imaging and radioactivity measurement procedures prior to clinical use (for nuclear medical physics)</li> <li>• Develop and/or evaluate policies and procedures related to the appropriate clinical use of radiation for nuclear imaging, radiopharmaceutical therapy and/or radioactivity measurement purposes (for nuclear</li> </ul>
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medical physics)

- Develop and/or evaluate a comprehensive clinical radiation safety program in nuclear medicine (for nuclear medical physics)
- Apply other medical applications of physics as appropriate to safely carry out nuclear medicine procedures (for nuclear medical physics) Develop and apply medical health physics procedures associated with the practice of nuclear medicine (for nuclear medical physics)
- Demonstrates Clinical and Service excellence behaviors to include code of HCA Healthcare 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, Interventional radiology, Operating room (hybrid rooms)

**Supervision:**

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

**Evaluators:** Imaging department director or designee

**Tier Level:** 3

**eSAF Access Required:** YES

**Qualifications:**

- Bachelor’s degree or higher in medical physics or the physical sciences
- **One** of the below required:
  - Licensed or Registered as a Licensed Medical Health Physicist
  - Certified in Medical Physics through **one** of the below:
    - American Board of Radiology (ABR)
    - The American Board of Medical Physics (ABMP)
    - American Board of Health Physics (ABHP)
    - American Board of Science in Nuclear Medicine (ABSNM)
    - The Canadian College of Physicists in Medicine (CCPM)

**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.

**State Requirements:**

<u>States that require Licensure</u>	<u>States that require Registration</u>
<b>CAP:</b> N/A	<b>CAP:</b> KY; IN; VA
<b>CON:</b> N/A	<b>CON:</b> KS; CO
<b>CWTX:</b> TX	<b>CWTX:</b> N/A
<b>EFL:</b> FL	<b>EFL:</b> N/A
<b>FAR:</b> N/A	<b>FAR:</b> CA; NV
<b>GULF:</b> TX	<b>GULF:</b> N/A
<b>MID:</b> N/A	<b>MID:</b> KS; MS
<b>MNTN:</b> N/A	<b>MNTN:</b> AK; UT
<b>NCAR:</b> N/A	<b>NCAR:</b> NC
<b>NFL:</b> FL	<b>NFL:</b> N/A
<b>NTX:</b> TX	<b>NTX:</b> N/A



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<b>SAN:</b> TX	<b>SAN:</b> N/A
<b>SATL:</b> FL	<b>SATL:</b> SC; GA
<b>TRI:</b> N/A	<b>TRI:</b> KY; TN; GA
<b>WFL:</b> FL	<b>WFL:</b> N/A
<p><b>**Idaho does not require a License, Registration or Certification**</b></p> <p><b>**Georgia does not require a License, Registration or Certification**</b></p> <p><b>**Louisiana does not require a License, Registration or Certification**</b></p>	
<p><b>Experience:</b></p> <ul style="list-style-type: none"> <li>• 1 year experience as a Radiation Physicist</li> </ul>	
<p><b>Competencies:</b></p> <p>The Qualified Medical Physicist– Medical will demonstrate:</p> <ul style="list-style-type: none"> <li>• Expertise in diagnostic radiological physics             <ul style="list-style-type: none"> <li>○ Evaluates radiological imaging procedures prior to clinical use</li> <li>○ Develops/evaluates of policies and procedures related to the appropriate clinical use of radiation for imaging purposes</li> <li>○ Develops and manages a comprehensive quality management program that monitors and evaluates critical imaging equipment and processes</li> <li>○ Reviews diagnostic imaging dosimetry information noted in patient records</li> <li>○ Consults on patient or personnel radiation dose and associated risks</li> </ul> </li> <li>• Expertise in medical health physics             <ul style="list-style-type: none"> <li>○ Audits regulatory program</li> <li>○ Prepares RAM license and license amendments</li> <li>○ Calibrates equipment</li> <li>○ Reviews dosimetry information</li> <li>○ Consults on patient radiation dose and associated risks</li> </ul> </li> <li>• Expertise in medical nuclear physics             <ul style="list-style-type: none"> <li>○ Evaluates of nuclear imaging or radioactivity measurement procedure prior to clinical use</li> <li>○ Develops/evaluates of policies and procedures related to the appropriate clinical use of radiation for nuclear imaging/radioactivity measurement purposes</li> <li>○ Reviews radiopharmaceutical dosimetry information noted in patient records</li> <li>○ Develops and manages a comprehensive quality management program that monitors and evaluates critical nuclear imaging and radioactive measurement equipment and processes</li> <li>○ Consults on patient or personnel radiation dose and associated risks</li> <li>○ Develops/evaluates a comprehensive clinical radiation safety program in nuclear medicine</li> </ul> </li> <li>• Infection Prevention             <ul style="list-style-type: none"> <li>○ Practices consistent hand hygiene</li> <li>○ Uses personal protective equipment (PPE)</li> <li>○ Required immunizations per Division requirements</li> <li>○ Complies with Isolation precautions</li> <li>○ Maintains sterile field</li> </ul> </li> </ul>	
<p><b>References:</b></p> <p>AAPM Professional/Education/Science Policies  <a href="http://www.aapm.org/org/policies/details.asp?id=317&amp;type=PP&amp;current=true">http://www.aapm.org/org/policies/details.asp?id=317&amp;type=PP&amp;current=true</a></p> <p>The Role Of The Clinical Medical Physicist In Diagnostic Radiology  <a href="https://www.aapm.org/pubs/reports/RPT_42.pdf">https://www.aapm.org/pubs/reports/RPT_42.pdf</a></p> <p>The American Board of Radiology <a href="https://www.theabr.org/myabr/find-a-radiologist">https://www.theabr.org/myabr/find-a-radiologist</a></p>	



# DIVISION SCOPE OF SERVICE

The American Board of Medical Physics <https://abmpexam.com/>  
 American Board of Health Physics <http://qmp.crcpd.org/>  
 American Board of Science in Nuclear Medicine <http://qmp.crcpd.org/>  
 The Canadian College of Physicists in Medicine in Diagnostic Radiological Physics  
<http://www.ccpm.ca/ccpm-english/main/about-ccpm/about-certification.html>  
 Conference of Radiation Control Program Directors <https://www.crcpd.org/page/aboutQMP>  
 Virginia Department of Health Office of Radiological Health verification through email request:  
[kim.knight@vdh.virginia.gov](mailto:kim.knight@vdh.virginia.gov)  
 Florida Department of Health verification:  
<https://appsmqa.doh.state.fl.us/MQASearchServices/HealthCareProviders>  
 Texas Medical Board: <http://www.tmb.state.tx.us/page/look-up-a-license>

**Document Control:**

- Previously named Radiation Physicist-Medical
- Made Global 7/10/2019
- Content updates 7/10/2019

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