HEALTHTRUST
Workforce Solutions

DIVISION SCOPE OF SERVICE

Division: ALL HCA DIVISIONS-NOT INCLUDING SAN ANTONIO
Classification: QUALIFIED MEDICAL PHYSICIST-NUCLEAR
Applicant Name:

Qualified Medical Physicist -Nuclear
The Qualified Medical 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.

Definition of Care or Service:
The Qualified Medical Physicist -Nuclear develops a comprehensive quality management program that monitors and evaluates critical imaging equipment and processes. This branch of medical physics deals with the therapeutic and diagnostic application of radionuclides, except those used in sealed sources for therapeutic purposes, and the use of equipment associated with the production and use of radionuclides. Scope of Service may include:

- Provides active support in Radiation Protection programs and support to the RSO
- Serves as a member of the institution's Radiation Safety Committee
- Provide evidence of compliance of nuclear imaging and radioactivity measurement equipment with regulatory, professional and accreditation agency rules and recommendations
- Perform acceptance testing, evaluation and commissioning of nuclear imaging and radioactivity measurement equipment and their associated computer systems, algorithms, data, and output
- Evaluate nuclear imaging and radioactivity measurement procedures prior to clinical use
- Evaluate of policies and procedures related to the appropriate clinical use of radiation for nuclear imaging, radiopharmaceutical therapy and/or radioactivity measurement purposes
- Comprehensive Quality Management Program that monitors, evaluates, and optimizes nuclear imaging, radiopharmaceutical therapy and radioactivity measurement processes
- Evaluate a comprehensive clinical radiation safety program in nuclear medicine
- Provide consultation on patient or personnel radiation dose and associated risks
- Provide institutional consultation on program development in medical nuclear imaging and radiopharmaceutical therapy
- Provide medical nuclear physics training for medical practitioners and other health-care providers
- Provide of consultation to assure an optimized balance between image quality and patient dose
- Plan and specify 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 installed shielding designed to protect patients, workers, and the general public 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 nuclear medicine procedures
- 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.

HEALTHTRUST
Workforce Solutions

DIVISION SCOPE OF SERVICE

Setting(s):

- Healthcare facilities including but not limited to hospitals, outpatient treatment facilities, imaging centers, and physician practices
- Imaging, Nuclear Medicine, and Cardiology

Supervision:

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

Evaluator: 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:

License or Registration is only required if applicant is currently not certified.

States that require Licensure	***States that require Registration***
CAP: N/A	**CAP:** KY; IN; VA
CON: N/A	**CON:** KS; CO
CWTX: TX	**CWTX:** N/A
EFL: FL	**EFL:** N/A
FAR: N/A	**FAR:** CA; NV
GULF: TX	**GULF:** N/A
MID: N/A	**MID:** KS; MS
MNTN: N/A	**MNTN:** AK; UT
NCAR: N/A	**NCAR:** NC
NFL: FL	**NFL:** N/A
NTX: TX	**NTX:** N/A
SAN: TX	**SAN:** N/A
SATL: FL	**SATL:** SC
TRI: N/A	**TRI:** KY; TN
WFL: FL	**WFL:** N/A

****Idaho does not require a License, Registration or Certification****
****Georgia does not require a License, Registration or Certification****
****Louisiana does not require a License, Registration or Certification****

HEALTHTRUST
Workforce Solutions

DIVISION SCOPE OF SERVICE

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

Competencies:
The Qualified Medical 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
- 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
- Ability to evaluate and show evidence of inspection program to validate proper functioning of imaging equipment
- Ability to accurately assess the proper functioning of imaging equipment and Hot Lab equipment
- Radiation safety rules and regulations set forth by TJC, TDSHS, FDA, ACR, and other governing bodies
- Ability to formulate policy and procedures relating to proper functioning of imaging equipment
- Ability to communicate scientific information clearly, logically, and accurately
- Infection Prevention
    - Practices consistent hand hygiene
    - Uses personal protective equipment (PPE)
    - Required immunizations per Division requirements
    - Complies with Isolation precautions

References:

- Commission on Accreditation of Medical Physics Education Program, Inc. (CAMPEP). (2006)
- Policy and Procedure Manual. Retrieved from http://www.campep.org/ on November 7, 2011. Health Physics Society. (2011, November 7). Careers in Health Physics. Retrieved from
- http://www.hps.org/publicinformation/hpcareers.html
- Briefings on Credentialing White Paper –Radiation Physicist

DIVISION SCOPE OF SERVICE

https://www.aapm.org/pubs/reports/RPT_42.pdf
https://www.aapm.org/government_affairs/licensure/
Texas Medical Board in Diagnostic Radiological Physics
http://www.tmb.state.tx.us/page/medical-physicist-licensure-advisory-committee
The American Board of Radiology
https://www.theabr.org/myabr/find-a-radiologist
The American Board of Medical Physics
https://abmpexam.com/
The Canadian College of Physicists in Medicine in Diagnostic Radiological Physics
http://www.ccpm.ca/ccpm-english/main/about-ccpm/about-certification.html

Document Control:

- Previously named Radiation Physicist-Nuclear
- Made Global 7/10/2019
- Content updates 7/10/2019
- Content updates 2/9/2021
- Cosmetic updates 6/29/2021

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: _____