# ISSUED Unknown

# REVISED November, 2019

# SUPERSEDES

# TITLE Nuclear Medicine Technologist (PET) CLASSIFICATION GRADE 05

#  SPECIALTY GRADE 37

## BASIC FUNCTION AND RESPONSIBILITY

Prepare, administer and measure radioactive isotopes, including the use of positron emission tomography (PET) in therapeutic, diagnostic and tracer studies to obtain information for use by physicians in diagnosing patient illness.

## CHARACTERISTIC DUTIES AND RESPONSIBILITIES

Operate PET/CT imaging systems and computer acquisition/processing stations to acquire, process, transfer, and save image data.

Prepare radiopharmaceuticals for administration to patients. Calculate and administer proper doses.

Maintain records of radioactive materials dispensed. Compile and maintain quality assurance information.

Calibrate radiation detection instruments. Perform quality control tests on PET/CT systems, generators, counters, and dose calibrators.

Provide instruction to medical residents, Nuclear Medicine Technology students, and other staff on the operation of various instruments and explain the procedures performed.

Follow radiation safety policies in the use and disposal of radioactive materials. Perform all clinical duties exercising sound radiation safety practices in accordance with ALARA principles.

Instruct and prepare patients for exams. Thoroughly explain the PET/CT examination they will be undergoing.

Provide care appropriate to the condition and age of the patient, including pediatric, geriatric and general population. Interact professionally with the patient/family.

Practice medical aseptic technique procedures.

Demonstrate proficiency in performing all PET/CT procedures.

Maintain effective working relationships with faculty, staff, students and the public.

*In addition to the duties and responsibilities noted above, the position description must include statements from*[*UI Health Care Core Values (WECARE)*](https://uihc.org/mission-vision-and-core-values)*for Health Care positions or*[*Universal Competencies*](https://hr.uiowa.edu/careers/competencies/universal-competencies)*for all other positions.*

#### SUPERVISION RECEIVED

Supervision is received from the PET/CT Manager or other designated official.

SUPERVISION EXERCISED

Functional supervision is exercised over students.

## QUALIFICATIONS

A Bachelor's degree in Nuclear Medicine Technology approved by the Council of Education of the American Medical Association or an equivalent combination of training and experience is required.

Certification by the Nuclear Medicine Technology Certification Board in nuclear medicine is required.

Certification as a Nuclear Medicine Technologist by the Iowa Public Health Department as documented by an Iowa Permit to Practice (IPP) is required.

Excellent written and verbal communication skills are required.