



POSITION DESCRIPTION

Nuclear Medicine Technologist

POSITION SUMMARY:

Performs all routine nuclear medicine procedures following routine protocols for imaging and documentation.

POSITION DESCRIPTION – NUCLEAR MEDICINE TECHNOLOGIST	
STANDARD	
Environment of Care: Demonstrates knowledge and practice of:	
1.	Safety - Department specific and hospital wide safety risks
2.	Security – Processes for minimizing security risks
3.	Haz Mat/Waste - Procedures for spills/MSDS
4.	Emergency Preparedness – Role in emergency codes
5.	Fire Safety – Role/response in Code Red actual/drill
6.	Med Equipment – Safe operation of equipment (see specific list) user error education
7.	Utility Systems – Emergency procedures for utility failures
Infection Control: Demonstrates knowledge and practice of:	
8.	Department specific policies and procedures
9.	Hospital-wide policies and procedures
10.	Location/use of personal protective equipment
11.	CDC Hand Washing Guidelines
Performance Improvement: Demonstrates knowledge of:	
12.	Hospital-wide approach to Performance Improvement
13.	How department is involved in hospital-wide PI program
Patient Rights: Demonstrates knowledge and practice of:	
14.	Patient Rights and Responsibilities
15.	Confidentiality Policy – HIPAA
16.	Ethical Issue Resolution
17.	Organizational Ethics Policy
18.	Restraint Policy & procedure, alternatives to restraints
Risk Management: Demonstrates knowledge and practice of:	
19.	Occurrence Reporting
20.	Identify and report a sentinel event
21.	Sexual Abuse/Allegation Reporting
22.	Root Cause Analysis/FEMA
Certifications	
23.	BLS card Exp date:
24.	ARRT or NMTCB Exp date:
Patient Safety	
25.	Non-punitive medical/healthcare reporting
26.	National patient safety goals <ul style="list-style-type: none"> ▪ Accuracy of patient identification using patient’s name and birth date
27.	Fall prevention measures
28.	Radiation safety procedures
29.	Medication safety <ul style="list-style-type: none"> ▪ Conscious sedation monitoring ▪ Look alike, sound alike medications

STANDARD

- 30. Safe storage and disposal of radioisotopes
- 31. Sentinel events alert
 - Inpatient suicide
 - High alert medications
 - Medical errors related to dangerous abbreviations
 - Restraints
 - Nosocomial infections
 - Preventing needle sticks and sharps injuries
 - Wrong site surgery
 - Medical gas mix ups
 - Operative and post operative complications
 - Ventilator safety
 - Transferring medication to sterile field
 - Bed related entrapment deaths

Department Core Competencies

- 32. Assessment of patients
 - Verify patient identification and correct examination
 - Physical capabilities
 - Mobility limitations due to injuries
 - Immobilization/positioning for procedure
 - Assessment of diagnostic data

33. Obtain required consents

34. Emergency drug boxes/crash cart

35. Patient education including post procedure orders

36. Coordination of workflow

- 37. Radiation safety
 - Exposure rates and equipment
 - Safety – gloves/shields/film badges
 - Use of radiation monitoring devices
 - Isotope drug reaction
 - Spill procedure
 - Disposal of radiation waste
 - Safe storage and disposal of radioisotopes

38. Basic Nuclear Medicine Technical Procedures:

- Biliary
- Brain spect
- Bone scan
- Cardiac
- Cisternogram
- Colonic bleed
- Cystogram
- Gallium
- Gastric emptying
- GI bleed
- Indium scan
- Liver
- Lung – perfusion
- Lung – ventilation
- Lymphoscintigraphy
- Meckles
- Parathyroid
- Renal/renogram
- Spleen
- Tagged red cell
- Testicular
- Therapy – 1-131
- Therapy – P-32
- Thyroid – scan
- Thyroid – uptake
- Vascular flow

STANDARD

39. Transport of patients
- Body mechanics for lifting/transferring patients
 - Patients with special needs – IV/Catheter/O2/Monitors

40. Restraint removal and reapplication

Age Specific Competencies

Knowledge

41. Demonstrate knowledge of growth and development

42. Criteria to identify victims of abuse and neglect

Skills

43. Nuclear medicine imaging positions and techniques are appropriate to age of patient

44. Appropriately interprets patient data regarding illness/injury related to procedure to be performed

45. Demonstrate age appropriate communication skills

46. Performs pregnancy assessment in females of child bearing age

47. Assess age specific radiation safety issues regarding radionuclides/pharmaceuticals

Service Standards

48. Is proactive. Anticipates and responds to patient/physician/family members/coworkers needs. Demonstrates an energetic and positive approach to work. Is sensitive to customer's physical, social and cultural needs.

49. Demonstrates accountability and commitment to coworkers. Is a dependable member of the team and addresses issues in a timely manner.

50. Demonstrates sense of ownership. Pays attention to details of job, ensures all mandatory obligations are met.

51. Gives all customers their full attention and treats them with dignity, respect and understanding.

52. Presents a clean, professional, well groomed image. Wears name badge, adheres to uniform policy.

53. Safeguards patient confidentiality in all forms of communication.

54. Works effectively with others toward achieving common goals including morale and teamwork.

55. Interacts compassionately and in a timely manner with all customers.

Equipment – Demonstrate Safe and Effective Use

56. Automatic film processor

57. Synapse workstation

58. Daily isotope usage log

59. Dose calibrator

60. Gamma cameras and computers

61. Storage system

62. ARJO

63. Survey equipment

64. Thyroid uptake unit

65. Treadmill

66. Xenon gas unit

67. Film digitizer

68. Telerad system

69. Dose manager

70. Neoprobe

POSITION (MINIMUM) REQUIREMENT CHECKLIST

Position Title: Nuclear Medicine Technologist

Department: Imaging

EDUCATION

- Less than high school
- High school or GED
- Vocational/Technical
- 2 year/ Associates Degree in Radiologic Technology
- 4 year/Bachelor's Degree
- Post Graduate Degree
- License/Certification – current ARRT and Nuclear Medicine certification
- Knowledge of state, federal, JCAHO regulations
- Knowledge of Gamma cameras
- Medical terminology
- Hospital trained programs

EXPERIENCE

- One year nuclear medicine experience
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SKILLS

- Organizational
- Verbal/Follow verbal instructions
- Interpersonal
- Customer Relations
- Mathematical
- Analytical
- Grammar/Spelling
- Read/Comprehend/Follow written instructions
- Transcription
- BLS
- ACLS
- Computer
- Management/Planning Skills

PRE-PLACEMENT

TESTING

- Minimum score of on Clerical test
- Minimum typing of wpm
- Minimum score of 84 on PCT test
- Minimum score of 84 on WS test
- Minimum score of 84 on MT test
- Minimum score of 100 on Filing test
- Minimum score of 84 on Nursing medication test

AGE OF PATIENTS SERVED (For Nursing/Patient Care Positions)

- Neonate/Infant (birth - 1 yr)
- Child/Ped. (1 - 12 yrs)
- Adolescence (13 - 18 yrs)
- Adult (19 - 65 yrs)
- Geriatric (66 + yrs)

MENTAL AND EMOTIONAL REQUIREMENTS

- Manage stress appropriately
- Make decisions under pressure
- Manage anger/fear/hostility/violence of others appropriately
- Handle multiple priorities
- Work alone
- Work in areas that are confined and/or crowded
- Concentration to detail
- Memory for detail

HAZARDS

- Exposure to toxic/caustic/chemicals/detergents
- Exposure to extreme conditions, hot/cold
- Exposure to dust/fumes/gases
- Exposure to moving mechanical parts
- Exposure to potential electrical shock
- Exposure to x-ray/electromagnetic energy
- Exposure to high pitched noises
- Exposure to communicable diseases
- Exposure to blood and/or body fluids
- Exposure to excessive sunlight, or work outdoors
- Unprotected heights
- CRT (computer) monitor
- Operating heavy equipment
- Gamma rays

PHYSICAL REQUIREMENTS (See definitions on next page)

- Sedentary work
- Light work
- Medium work
- Heavy work
- Very heavy work

The minimum requirements of this position require the individual to:

- Stand for 8 hour(s) per day
- Sit for 1 hour(s) per day
- Walk for 8 hour(s) per day
- Perform repetitive tasks/motions
- Distinguish colors
- Hear alarms/telephone/tape recorder/normal speaking voice
- Have good manual dexterity
- Have good eye-hand-foot coordination
- Have clarity of vision
- Have good writing ability

Evaluate the requirements and activity percentage in time for this position based on the following:

- 1 - Not at all (0%)**
- 2 - Occasionally (1 - 33%)**
- 3 - Frequently (34 - 66%)**
- 4 - Continuously (67 - 100%)**

- 1 Climbing
- 3 Bending
- 2 Crouching
- 2 Squatting
- 2 Crawling
- 2 Kneeling
- 2 Balancing
- 3 Pulling with force
- 3 Reaching above head
- 3 Reaching above shoulder
- 3 Twisting at waist
- 3 Push/pull (up to 75 lbs.)
- 3 Lift/carry (up to 75 lbs.)
- 3 Lift from floor level up
- 3 Lift from waist level up
- 2 Lift above shoulders/head

POSITION (MINIMUM) REQUIREMENT CHECKLIST

LIST PERSONAL PROTECTIVE EQUIPMENT REQUIRED:

1. Gloves
2. Gown
3. Mask
4. Head covers
5. Shoe covers
7. Protective eye wear
8. Dosimetry badges
9. Lead aprons/glasses/gloves/thyroid shield
10. Syringe shields
11. Ring badges

LIST OTHER MINIMUM REQUIREMENTS:

OCCUPATIONAL EXPOSURE TO BLOODBORNE PATHOGENS

- A - Routine exposure
- B - Occasional exposure
- C - No exposure

OCCUPATIONAL EXPOSURE TO TB

- 1 - Routine exposure
- 2 - Potential exposure
- 3 - No exposure

COMPRESSED GAS USAGE

- Yes
- No

DEFINITIONS:

SEDDENTARY WORK:	Prolonged periods of sitting and exert up to 10 lbs. force occasionally.
LIGHT WORK:	Exert up to 20 lbs. force occasionally, and/or up to 10 lbs. frequently.
MEDIUM WORK:	Exert up to 50 lbs. force occasionally, and/or up to 20 lbs. frequently, and/or up to 10 lbs. constantly.
HEAVY WORK:	Exert up to 100 lbs. force occasionally, and/or 50 lbs. frequently, and/or 20 lbs. constantly.
VERY HEAVY WORK:	Exert over 100 lbs. force occasionally, and/or over 50 lbs. frequently, and/or over 20 lbs. constantly.

I have reviewed these job requirements and verify that I am able to perform the minimum requirements and essential functions of this position.

Employee Signature

Date