



POSITION DESCRIPTION Cardiac Interventional Tech

POSITION SUMMARY:

Assist in cardiac catheterization as well as vascular and interventional procedures. Perform emergency procedures associated with catheterization procedure such as IAB and temporary pacemaker insertion. Follow established standards and practices under the direction of a credentialed invasive cardiologist or invasive radiologist.

POSITION DESCRIPTION – Cardiac Interventional Tech

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. ACLS card Exp date:

Patient Safety

25. Non-punitive medical/healthcare reporting
26. National patient safety goals
 - Accuracy of patient identification using patient's name and birth date
27. Fall prevention measures in cath lab
28. Radiation safety

STANDARD

29. Verification procedure for correct patient, site and procedure
30. Verbal orders repeated and verified during procedure
31. Transfer procedure if emergency intervention indicated
32. Medication safety
 - Conscious sedation monitoring
 - Safe storage and use of paralytics
 - Safe storage and use of narcotics
 - Look alike, sound alike medications
 - Dangerous abbreviations list
 - Transferring medication from nonsterile field to sterile field
33. Sentinel events alert
 - Infection control
 - Infant abduction
 - Preventing needle sticks and sharps injuries
 - Restraints

Department Core Competencies

34. Demonstrate responsibility and accountability in recognizing and identifying potential and actual patient problems, collecting accurate data and reporting these to RN.
35. Recognize and report signs and symptoms of abuse and neglect
36. Demonstrate appropriate pain management intervention
37. Demonstrates awareness and respect to patient/family/caregiver as an individual and family unit in respect to confidentiality, privacy, security, resolution of complaints and problems
38. Patient/family teaching
39. Identifies normal ranges of VS, lab values and diagnostic tests and notifies RN/MD of any discrepancies
40. Demonstrate knowledge of specific conditions, diseases and treatment therapies for specific patient populations
41. Utilize restraints with appropriate justification and documentation with regards to patient safety
42. Demonstrates awareness of responsibility and accountability for completion of assignments and delivery of safe, effective and appropriate care in a timely and accurate manner
43. Identify cultural and religious needs, language barriers, physical and psychological limitations and education barriers
44. Provide emotional support to patient/family by communicating effectively concerning procedures and delays
45. Identifies and reports abnormal cardiac rhythms
46. Locates and identifies emergency medications and contents of crash cart
47. Handles problems in a competent, professional manner
48. Checks patient chart for appropriate pre-procedure data and presence of implants
49. Monitor cardiovascular, respiratory, neurological, renal and peripheral vascular status and report out of range results to RN or physician
50. Positions patient appropriately on table for different procedures
51. Pads bony prominences when procedure allows while maintaining skin integrity
52. Document patient radiation exposure dose
53. Maintains supply PAR levels
54. Prepares room appropriately for procedure
55. Select appropriate equipment for procedure
56. Recognize contrast reaction
57. Demonstrates appropriate precaution for risk (Air embolization, catheter rupture, over volume injection, electrical leakage)
58. Demonstrates knowledge and competency to perform Cath Lab Procedures
 - Cardiac catheterization
 - Peripheral arteriogram
 - Temporary pacemakers
 - IABP
59. Physiologically monitors patient during CVL procedure
 - Performs correct lead placement
 - Changes leads and size on computer specific physiological records
 - Trouble shoot artifact or improper waveform
60. Performs and stores cardiac outputs in Specific Physiologic Recorder with appropriate information for calculation
61. Identifies normal procedure waveforms in pressure monitoring
62. Samples and records proper waveforms using Specific Physiologic Recorder
63. Set up dual pressure lines for simultaneous readings/samples

STANDARD

64. Shows competency with hand pressure

Age Specific Competencies**Knowledge**

65. Demonstrate knowledge of growth and development

66. Criteria to identify victims of abuse and neglect

Skills

67. Obtains age specific data for pre, intra and post cath procedures

68. Assesses age specific cath lab safety issues and uses appropriate safety devices

69. Demonstrate age appropriate communication skills

70. Interprets patient data and hemodynamic responses during pre, intra and post cath

Service Standards

71. 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.

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

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

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

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

76. Safeguards patient confidentiality in all forms of communication.

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

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

Equipment – Demonstrate Safe and Effective Use

79. Phillips Inturis

80. Temporary pacer

81. Stethoscope Doppler

82. Cardiac monitor

83. Dinamapp

84. Physiological Recorder

85. Projector

86. Compressor

87. Acist injector

88. ACT test

89. AVOX test

90. Vascular devices

91. IABP

POSITION (MINIMUM) REQUIREMENT CHECKLIST

Position Title: Cardiac Interventional Tech

Department: Cardiac Cath Lab

EDUCATION

- Less than high school
- High school or GED
- Vocational/Technical
- 2 year/ Associates Degree
- 4 year/Bachelor's Degree
- Post Graduate Degree
- License/Certification – current ARRT or certified cardiovascular tech
- Knowledge of state, federal, JCAHO regulations
- Knowledge of cath lab equipment
- Medical terminology
- Other: Cineflourgraphy

EXPERIENCE

- One year Cath Lab experience
- One year RCIS and CVT
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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
- OTHER:

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 10 hour(s) per day
- Sit for 1 hour(s) per day
- Walk for 10 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%)**
- 2 Climbing
 - 3 Bending
 - 1 Crouching
 - 2 Squatting
 - 2 Crawling
 - 2 Kneeling
 - 3 Balancing
 - 3 Pulling with force
 - 3 Reaching above head
 - 3 Reaching above shoulder
 - 4 Twisting at waist
 - 3 Push/pull (up to 75 lbs.)
 - 3 Lift/carry (up to 75 lbs.)
 - 2 Lift from floor level up
 - 2 Lift from waist level up
 - 2 Lift above shoulders/head

POSITION (MINIMUM) REQUIREMENT CHECKLIST

LIST PERSONAL PROTECTIVE EQUIPMENT REQUIRED:

1. Regular or powder free non-sterile gloves
2. Regular or hypoallergenic sterile gloves
3. Extra protection sterile surgical gowns
4. Assorted surgical masks including splash resistant shield
5. Surgical caps/hats
6. Shoe covers
7. Lead aprons
8. Lead glasses
9. Thyroid collar
10. Eye/thyroid shield
11. Splash goggles
12. Lead drape
13. Dosimetry badges

LIST OTHER MINIMUM REQUIREMENTS:

1. Ability to wear 25 pounds of lead for up to eight hours per day

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:

SEDENTARY 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