



POSITION DESCRIPTION MRI Technologist

POSITION SUMMARY:

Performs all routine MRI procedures.

POSITION DESCRIPTION – MRI 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 | 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
28. Radiation safety procedures
29. Medication safety
 - Conscious sedation monitoring
 - Look alike, sound alike medications

STANDARD

30. Restraint application and removal for portable x-rays

31. Sentinel events alert

- Inpatient suicide
- 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. Charts and documents allergies prior to contrast injection/ingestion

36. Preparation and safe administration of oral contrast material

37. Preparation of IV contrast media

38. Patient education including post procedure orders

39. Magnetic safety

- Control safety of MRI Suite – maintains safe working area
- Assess patient safety prior to exam

40. Basic MRI competencies:

- Routine protocols of all procedures
- Technical factors
- Positioning for procedures
- Obtaining and evaluating medical history
- Use of teleradiography
- Use of 3D imaging – angio/mip/ortho work
- Practices aseptic technique
- Knowledge and use of imaging network
- Film processing and report to Radiologist
- Use of all processors

41. Transport of patients

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

42. IV Skills

- Gives contrast injection
- Resources available if unable to establish IV

43. Administration of oral contrast

44. Restraint removal and reapplication

STANDARD

45. Demonstrates competency to perform:
- MR Abdomen
 - MR angiogram. Carotids, subclavians, chest, pulmonary, abdomen, pelvis, upper and lower extremities
 - MR Brain, IAC, Orbits, Pituitary
 - MR Cervical spine
 - MR Thoracic spine
 - MR chest, media sternum, heart, pulmonary
 - MR shoulder
 - MR brachial plexus
 - MR L spine
 - MR sacrum/coccyx
 - MR Knee
 - MR lower extremity
 - MR ankle/foot
 - MRCP
 - Diffusion/Perfusion studies
 - Spectroscopy
 - MR breast

Age Specific Competencies

Knowledge

46. Demonstrate knowledge of growth and development
47. Criteria to identify victims of abuse and neglect

Skills

48. MRI imaging positions and techniques are appropriate to age of patient
49. Appropriately interprets patient data regarding illness/injury related to procedure to be performed
50. Demonstrate age appropriate communication skills
51. Performs pregnancy assessment in females of child bearing age
52. Assess age specific radiation safety issues – collimation gonad shielding
53. Assesses appropriate age specific medium dosages

Service Standards

54. 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.
55. Demonstrates accountability and commitment to coworkers. Is a dependable member of the team and addresses issues in a timely manner.
56. Demonstrates sense of ownership. Pays attention to details of job, ensures all mandatory obligations are met.
57. Gives all customers their full attention and treats them with dignity, respect and understanding.
58. Presents a clean, professional, well groomed image. Wears name badge, adheres to uniform policy.
59. Safeguards patient confidentiality in all forms of communication.
60. Works effectively with others toward achieving common goals including morale and teamwork.
61. Interacts compassionately and in a timely manner with all customers.

Equipment – Demonstrate Safe and Effective Use

62. MR scanner
63. 3-D reconstruction workstation
64. Teleradiography
65. Power injector
66. Laser printers
67. Film processor
68. ARJO
69. In vivo physiological monitoring equipment
70. Reporting equipment failure or malfunction

POSITION (MINIMUM) REQUIREMENT CHECKLIST

Position Title: MRI 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
- Knowledge of state, federal, JCAHO regulations

- Knowledge of MRI equipment
- Medical terminology
- Hospital trained programs

EXPERIENCE

- One year MRI experience
- Two years general diagnostic 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
- Ability to work in a safe magnetic environment
- Does not have a pacemaker, cerebral aneurysm clip or any medical device which would be contraindicated to in MRI

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 4 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
- 1 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

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:

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