

Job Summary – Senior Radiographer - MRI

Family: Technical

Grade: 10

Department: Diagnostic Radiology

Last Updated: December 28, 2011

Job Information

Job Summary

Perform all routine and specialized MRI examinations by integrating scientific knowledge and technical skills with effective patient interaction to provide quality patient care and useful diagnostic information.

Support the mission and vision of the American University of Beirut Medical Center (AUBMC) and of the Diagnostic Radiology Department.

Essential Functions / Task Groups

Diagnostic Modalities & Radiation Protection:

- Receive patients, check their records and documentation and prepare them physically and psychologically for the examination. Ensure patient consent to procedure. Includes confirming patient identification, verifying requested procedure, checking pregnancy when appropriate, assessing factors that may contraindicate the procedure and identifying artifact-producing objects.
- Provide accurate explanation and instruction of the information about the procedure to the patient, healthcare providers, students, medical staff, nurses and orderlies.
- Perform routine MRI examinations including but not limited to Musculoskeletal imaging, Temporal Mandibular Joint imaging, Shoulder imaging, Humerus imaging, Elbow imaging, Wrist Imaging, Pelvis imaging, Ankle imaging, Arthrogram imaging, Vascular MRA/MRV imaging, Brain imaging, Temporal lobe imaging, Pituitary imaging, Orbits imaging, Internal Auditory Canal imaging, Soft Tissue of the Neck imaging, Nasopharynx imaging, Tongue imaging, Cervical, Dorsal, and Lumbar imaging, Brachial Plexus imaging, Liver imaging, Gallbladder/Biliary Tree imaging, Kidney, Pancreas, and Adrenals imaging, Heart imaging, Great Vessels imaging, Breast imaging, Prostate Imaging. Includes positioning the patient accurately, providing him with hearing protection, positioning image coil and placing ECG electrodes when necessary; applying appropriate immobilization devices, selecting appropriate pulse sequence and MRI parameters to optimize image quality, entering patient information to initiate scan and preparing contrast media injection when necessary. Recording images as hard/soft copies and transferring images to other departments or workstations for treatment planning or image post processing. Apply the ALARA (As Low As Reasonably Achievable) principle for radiation protection and providing aftercare whenever necessary.
- Use protective devices/apparel to minimize patient dose. Collimate to the area of interest to minimize patient dose. Perform the appropriate and designated quality control tests on imaging and accessory equipment.
- Use protective practices to reduce radiation risks. Perform the appropriate and designated quality control tests on imaging and accessory equipment.
- Evaluate the resultant procedure with the MRI Scientist / Attending. Includes reviewing of procedure for completeness and accuracy, determining whether the outcome is within the established criteria, reviewing images for evaluation of possible additional views and assessing patient's status prior to discharge.

Equipment and supplies Management:

- Operate MRI equipment using professional judgment to adapt imaging procedures to improve diagnostic quality, consulting with appropriate medical personnel when determining a modified action plan.
- Perform other related duties such as observing safety rules and regulations. Keeping work area neat and tidy, reporting malfunctions to MRI Scientist, etc.

Critical Competencies

Client Focus, Achievement Orientation, Organizational Awareness, Initiative, Communication Skills, Safety and Health Management, Developing Others, Problem Solving, Resource Management, Technical Expertise, Professional Development, Team Skills, Planning and Organizing, Information and Records Administration, Professionalism, Quality Management, Applied Technology, Computer Skills, English Comprehension, Stress Management, Health Education, prevention and promotion, Patient Assessment, Drug Administration.

KNOWLEDGE / KNOW-HOW

Knowledge:

Specialized Knowledge in Radiography.
Knowledge in Quality Assurance.
Familiarity with a wide variety of equipment and therapeutic techniques.

Education:

Minimum Education: Radiologic Technology certificate or Bachelor's Degree in Radiography.
Field of Expertise: MRI.

Experience:

Minimum Experience: 4 years of experience as Radiographer in MRI.

Languages:

Minimum Languages: Arabic and English (IET \geq 500).
Preferred Languages: French is an asset.

Computer Skills:

Proficient in the use of Microsoft applications as well as other needed software.

IMPACT OF ACTIONS/DECISIONS

Inadequate performance affects the wellbeing of the patient and the work flow of the department.

JOB STRUCTURE

Work according to well defined procedures and technical standards

REPORTING CHANNEL / SUPERVISORY CHANNEL

Reporting Channel:

1st Level: MRI Scientist

2nd Level: Technical Administrator

Supervisory Channel:

None.

Job Characteristics:

Physical Effort: Moderate Physical Effort

Work Schedule: Shift rotation basis (preferable evening duty)

Working Conditions: Exposed to patient element
