

DIAGNOSTIC RADIOLOGIC TECHNICIAN TITLE SERIES DEFINITIONS

I. DEFINITIONS

DIAGNOSTIC RADIOLOGIC TECHNICIAN - ENTRY

This is entry level technical work in diagnostic radiology under close to limited supervision. Positions allocated to this title definition are assigned a variety of standard and less complex diagnostic radiologic procedures as described at the Objective and Advanced levels. The work is designed to develop proficiency and expertise in the technical aspects of diagnostic radiology.

DIAGNOSTIC RADIOLOGIC TECHNICIAN – OBJECTIVE

This is the objective level for positions performing diagnostic radiology under general supervision. Positions are responsible for performing standard radiographic examinations such as chest or extremities or radiographic procedures on patients during surgery requiring the use of aseptic techniques. Positions are assigned responsibility for performing special diagnostic radiologic procedures requiring complex equipment, the use of contrast agents or radioactive sources. Work is designed to develop proficiency and expertise in the performance of the most complex diagnostic radiologic procedures. Responsibilities include performing routine radiographic examinations such as chest and extremities involving circumstances which require subjective technical judgments; assisting in the practical on-the-job training of students and lower-level diagnostic radiologic technicians by observing work and providing constructive guidance or demonstrations; ensuring contrast media are prepared; performing or assisting the physicians with injections; ensuring imaging procedures are performed in a timely and efficient manner; performing routine maintenance of all imaging equipment and film processors; instructing other staff or students on use, cleaning, and maintenance of equipment; performing radiographic procedures on patients during an operation requiring the use of aseptic techniques; ordering supplies and keeping inventory of items on hand; censoring films obtained for clarity and adequacy; utilizing patient immobilization devices as required; developing film with automatic processors; and assisting in performing a variety of more complex examinations.

DIAGNOSTIC RADIOLOGIC TECHNICIAN – ADVANCED

This is objective level technical work in advanced diagnostic radiology performed under general supervision. The complex diagnostic radiologic procedures at this level are differentiated from those at the lower levels by the increased complexity of the procedures performed and the increased independence in the performance of such procedures. Responsibilities include utilizing complex equipment and surgical scrub procedures in evaluating or examining the heart, renal arteries, aorta and femoral arteries and vessels that may be selectively catheterized; operating equipment to perform the most technical radiological procedures for a program; performing technical functions relating to other special procedures (arthrograms, cystograms, bronchograms, stomach or colon studies) which involve injection of contrast agents, under fluoroscopy, and usually involve sterile technique; preparing radioactive sources for interstitial or intracavitary treatment including applicator loading and maintenance of a radium bank and its associated equipment; performing diagnostic radiographic

procedures in the radiotherapy special procedures area requiring judgment and experience due to the absence of established protocol; assisting in clinical training of lower level Diagnostic Technicians and radiology technology students; assisting the supervisor in scheduling and coordinating work assignments of all technicians and students; performing maintenance and repairs on equipment or initiates appropriate action to have it repaired; assisting in scheduling procedures and diagnostic rooms; insuring technical standards are maintained; providing advice/input on bids for purchasing equipment and room design; performing a wide variety of radiographic examinations during human and animal research projects; utilizing prototype radiographic equipment and performing sophisticated tests to check its performance; observing and ensuring proper safety practices for visitors and personnel; coordinating the scheduling of examinations and research projects; assisting in accumulation of statistics and results for research data and keeping records; and explaining methodology and demonstrating procedures to students. Positions may assist lower level staff.

Positions at the advanced level may be a **leadworker**. Responsibilities include scheduling and coordinating work assignments of technicians and students to ensure proper work coverage and practical experience; consolidating reports of procedures performed; consulting with supervisor on hiring, reclassifications, discipline and performance evaluations of lower level technicians; assisting the supervisor in evaluating organizational structures and programs and implementing approved changes; performing maintenance and repairs on equipment or initiating appropriate action to have it repaired; scheduling employees and diagnostic rooms; coordinating scheduling problems with the nursing care units; assisting in developing curriculum according to established standards and ensuring adherence to it; and making job assignments and assisting students to ensure adequate clinical and practical experience.

II. RELATED POSITIONS

Ultrasound Technician