

LEAD X-RAY TECHNOLOGIST (RADIATION THERAPY)

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision, an incumbent of this class is responsible for advanced technical work involving the operation of complex radiation therapy equipment and the proper planning, positioning and treatment of patients in the Radiation Medicine Division of the Westchester County Medical Center. This level is distinguished from the Senior level in that incumbents must possess specialized training and/or previous experience in the performance of special treatment and treatment planning using Linear Accelerator equipment, Cobalt and Simulator, and are assigned in the radiation oncology area. Partial supervision may be exercised over technical and clerical support staff in the way of quality control of work. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Positions and monitors patients and treatments to assure safety and accuracy, remaining alert to patients reactions to treatment and changes in physical and mental status, and alerting Radiation Therapist to significant reactions and changes;

Operates specialized radiological equipment and machinery such as Linear Accelerators, Cobalt and Simulators;

Checks machinery regularly to ensure proper functioning, including pressure, temperature, and water level readings for quality assurance and troubleshoots equipment failure, makes repairs where possible;

Takes and develops portal films, takes measurements and contours, and photographs treatment fields;

Assists with treatment planning and basic dose calculation and consults with referring physicians as required;

Interprets computerized treatment plans including use of immobilizing and blocking, and carries out physician's prescription dose;

Provides training and technical direction to lower level technicians in procedures and processes;

Maintains accurate and detailed records of each patient including appointments, number of treatments, dose and number setting;

Maintains scheduling records including appointment time, number of patients, number of treatments, number of fields, number of port films, and patient flow through treatments;

Keeps treatment rooms stocked with necessary supplies, and in clean and orderly condition;

Insures compliance with radiation safety rules and regulations for self-protection as well as for patients and other staff members;

EXAMPLES OF WORK: (Illustrative Only) (Cont'd.)

May assist in clinical instruction of student technologist;

Assists in the development of new techniques, research projects or educational demonstrations;

Attends meetings and conferences as required.

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Thorough knowledge of the techniques and procedures used in radiation therapy; good knowledge of human anatomy; ability to operate all types of radiation therapy equipment; analytical ability to assist in treatment planning, and to interpret physicians prescription for dose and radiation treatment plan; ability to understand and carry out complex oral and written directions; ability to direct and instruct others; ability to deal effectively with patients, their families and other members of the professional and non-professional staff; visual acuity; numerical ability to perform dose calculations; ability to handle sick and injured patients properly; thoroughness; reliability; good judgment; physical condition commensurate with the requirements of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Possession of a valid license and current registration, issued by the New York State Health Department, as a Radiologic Technologist in the field of Radiotherapy; and two years of experience in a hospital radiation oncology department or a private Radiotherapist Office performing radiation oncology treatments, including the operation of radiation therapy equipment such as Linear Accelerator, Cobalt and Simulators.

SPECIAL REQUIREMENT: Must be certified and maintain current registration with the American Registry of Radiologic Technologists (ARRT) in the field of Radiation Therapy Technology.

*SPECIAL NOTE: Education beyond the secondary level must be from an institution recognized or accredited by the Board of Regents of the New York State Department of Education as a post-secondary, degree-granting institution.