

SENIOR RADIATION THERAPY TECHNOLOGIST

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 such as the Novalis Shaped Beam Radiosurgery application for the treatment of patients in the Radiation Medicine Division of Westchester Medical Center. This level is distinguished from the Radiation Therapy Technologist in that incumbents perform special treatment and participate in treatment planning in precision external therapy (Novalis). Incumbents engage in coordinating patient flow, preparing patient care. Supervision may be exercised over technical and clerical support staff. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Performs highly sophisticated stereotactic radiosurgery, tele and brachy therapy and integrate Novalis Shaped Beam Radiosurgery with Intensity Modulated Radiation Therapy applications, and participates in treatment planning and simulation;

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;

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;

Conducts clinical rounds and conducts treatment planning and basic dose calculations 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;

Coordinates patient flow and maintains accurate and detailed records of each patient including appointments, number of treatments, dose and number setting;

Prepares patient care treatment schedules, maintains records including appointment time, number of patients, number of treatments, number of fields, number of portal films, and patient flow through treatments;

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

Provides clinical instruction of student technologist;

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

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 sophisticated radiation therapy; thorough knowledge of human anatomy; ability to operate all types of complex 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 three years of experience in a hospital radiation oncology department or a private Radiotherapist Office performing radiation oncology treatments, including tele and brachy therapy, simulation and stereotactic radiosurgery applications.

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.

West. Co.
J.C.: Competitive
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