

RADIATION THERAPY TECHNOLOGIST

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision, an incumbent of this class is responsible for 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 Medical Center. Incumbents in this class independently perform both radiation therapy including the use of Linear Accelerators, Cobalt, Simulators and the performance of teletherapy and brachytherapy, and stereotactic radiosurgery. 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; performs radiotherapy procedures such as brachytherapy, teletherapy, and stereotactic radiosurgery;

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 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;

May assist in clinical instruction of student technologist;

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 most 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 three years of experience in a hospital radiation oncology department or a private Radiotherapist Office where the primary function of the position is in performing radiation oncology treatments, including the operation of radiation therapy equipment such as Linear Accelerator, Cobalt and Simulators.

SUBSTITUTION: Certification and current registration with the American Registry of Radiologic Technologists (ARRT) in the field of Radiation Therapy Technology may be substituted for one year of the above experience.

*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.

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J.C.: Competitive
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Job Class Code: C3104
Job Group: XIII

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Comment:

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Date approved other than competitive:
For departments:
Formerly Lead X-Ray Technician
(Radiation Therapy) due to reallocation
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