

## **Job Description**

**TITLE:** Medical Dosimetrist

**OT CLASS:** Exempt

**DEPARTMENT:** Radiation Oncology

### **GENERAL SUMMARY:**

The Medical Dosimetrist works under the general supervision of the Medical Physicist performing daily treatment planning. The Dosimetrist will have the training necessary to measure and generate radiation dose distributions and calculations for treatment planning.

### **PRINCIPLE DUTIES AND RESPONSIBILITIES:**

1. Generates isodose distributions via computer and performs calculations for the accurate delivery of the prescribed dose.
2. Enters treatment parameters in record/verify system.
3. Coordinates and assists with treatment simulations and tumor localizations using CT or conventional radiographic techniques.
4. Assists the Medical Physicist and Radiation Oncologist as needed.
5. Assists the therapist staff in the implementation of treatment plans.
6. Assists in routine quality control program to include weekly chart checks, chart rounds, etc.
7. Collects statistical data as directed.
8. Works with the Treatment Planning Team to provide accurate and correct brachytherapy verification.
9. Incorporates compliance with department, hospital, and state policies and procedures into patient care and treatment planning.
10. Assists in record keeping and documentation of treatment parameters for all patients undergoing radiation therapy.
11. Enhances professional growth and development by attending inservices, meetings and educational programs.

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### **KNOWLEDGE, SKILLS AND ABILITIES REQUIRED:**

#### Education:

Must be a graduate of an accredited program in Radiation Therapy Technology and be registered as a radiation therapist with the ARRT in good standing. Must pass Medical Dosimetrist Certification Boards (MDCB) within three years of hire date.

OR

A graduate of an accredited Medical Dosimetry program. Must be certified by the Medical Dosimetrist Certification Board (MDCB) within two years of graduation from the program.

#### Experience:

Please see Education qualifications above.

#### Interpersonal:

Must possess interpersonal skills sufficient to interact effectively with staff, physicians, department managers, technologists, and patients.

#### Complexities:

Must possess knowledge of all pertinent radiation therapy codes and standards.

#### Physical:

Must be in good physical and mental health. Requires medium strength of maximum lifting to 50 pounds / frequent lift / carry up to 50 pounds. Sitting required with standing and walking throughout work period. Requires activities such as pushing, stooping, kneeling, crouching, crawling, reaching, handling, feeling, hearing, talking, and seeing. Must have ability to cope with physical and mental stress.

### **REPORTING RELATIONSHIP:**

Reports to the Senior Medical Physicist and LMP Board of Directors.

### **WORKING ENVIRONMENT:**

Works in a clean, well lighted, air-controlled area. May be exposed to fumes, odors, hazardous materials, unpleasant sights, infectious diseases, noxious materials. May be exposed to a variety of electro-mechanical hazards. Subject to hazards of flammable, explosive gases. OSHA exposure category: A Exposure to ionizing radiation. Job is subject to frequent interruptions and changes in priorities. May be required to work assigned shifts as needed, weekends and holidays on a rotational basis.

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**APPROVALS:**

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*The above statements are intended to describe the general nature or level of working being performed by people assigned to this classification. They are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of personnel so classified.*