



UNIVERSITY *of* MARYLAND
MEDICAL CENTER

DEPARTMENT *of* RADIATION ONCOLOGY

SCHOOL *of* MEDICAL DOSIMETRY

A JRCERT Accredited program in Medical Dosimetry
(www.jrcert.org)

Assessment Plan

**School of Medical Dosimetry
Department of Radiation Oncology
22 South Greene Street, Gudelsky Tower
Baltimore, Maryland 21201**

The Assessment Plan of the School of Medical Dosimetry at University of Maryland Medical Center is instituted to document student learning and achievement. The plan focuses on four major areas; clinical competence, problem solving, communication and professional development. The assessment plan aims to document the achievement of the Goals, which are derived from the Objectives of our School of Medical Dosimetry. The objectives and goals, as published in our *School of Medical Dosimetry Handbook* are listed below.

Objectives:

- 1) Provide education and expertise in medical dosimetry through didactic and clinical instruction
- 2) Foster critical thinking, analytical skills, and problem solving in the rapidly changing world of science and technology
- 3) Promote a commitment to patient care and professional development.

Program Goals and Student Learning Outcomes:

- 1) **Students will graduate as clinically competent dosimetrists.**

Student Learning Outcomes:

- *Students will be able to design usable plans for external beam radiotherapy including 3D conformal radiotherapy and intensity modulated radiotherapy*
- *Students will be able to design treatment plans for brachytherapy*
- *Students will be able to demonstrate an understanding of image-guided radiation therapy as it applies to planning and treatment*

- 2) **Students will demonstrate critical thinking skills required for medical dosimetry.**

Student Learning Outcomes:

- *Students will demonstrate an understanding of the physics and radiobiology of radiation therapy*
- *Students will be able to sufficiently respond to questions from staff dosimetrists, physicists, and physicians regarding their treatment plans*

- 3) **Students will effectively communicate with an interdisciplinary radiation oncology team.**

Student Learning Outcomes:

- *Students will effectively communicate with doctors, physicists, and dosimetrists*
- *Students will display effective oral communication skills*
- *Students will display effective written communication skills*

- 4) **Students will conduct themselves in a professional manner and practice the ideals of professional growth and lifelong learning.**

Student Learning Outcomes:

- *Graduates will demonstrate lifelong learning*
- *Students will conduct themselves in a professional manner*

5) Students will graduate as entry level dosimetrists.

Student Learning Outcomes:

- *Students will obtain a job in the field of medical dosimetry*
- *Students will take the CMD board examination within one year of graduation*
- *Students will be feel prepared to enter the workforce as an entry-level dosimetrist*
- *Students will complete the program within 12 months.*
- *Students will pass their CMD board exams within two years of graduation*
- *Employers will be satisfied with the performance of graduates*

Accreditation Information:

School of Medical Dosimetry at University of Maryland Medical Center is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). The program has a full 8-year accreditation with the next review date in June 2026.

Program effectiveness information can be found at the following program website as well as directly from JRCERT as shown below:

Contact information for JRCERT:



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