Name of Policy: Thermoluminescent dosimetry of patient prescribed dose

Policy Number: 3364-134-65

Department: Radiation Oncology

Approving Officer: Chief Executive Officer - UTMC

Responsible Agent: Technical Manager, Radiation Oncology

Scope: Radiation Oncology

Effective Date: 7/1/2023

Initial Effective Date: 2/1/1990

New policy proposal
Minor/technical revision of existing policy
Major revision of existing policy
Reaffirmation of existing policy

(A) Policy Statement

Radiation Oncologist will order TLD’s to be done on all bolused patients and any other type of treatment they feel requires additional dose checks.

(B) Purpose of Policy

To assess dose delivery to patients receiving radiation treatments.

(C) Procedure

1. The physician will indicate on the orders that TLD’s need to be done.

2. The physicist checks the patient dose under actual treatment set-up using pre-calibrated TLDs.

3. The therapists will upload the in-vivo dosimetry note into Aria on the day the dose is checked. The results of the check will be recorded by physics within 24 hours, and signed by physicians.

Approved by:

/s/ Mersiha Hadziahmetovic, MD
Associate Professor & Chair, Radiation Oncology
07/14/2023

/s/ Richard P. Swaine
Chief Executive Officer - UTMC
Date

Next Review Date: 7/1/2026

Policies Superseded by This Policy: 38-65