


Name of Policy: <u>Daily Quality Assurance for Megavoltage Treatment Machines</u> Policy Number: 3364-134-13 Department: Radiation Oncology Approving Officer: Chief Executive Officer - UTMC Professor & Chairman, Radiation Oncology Responsible Agent: Technical Manager, Radiation Oncology Scope: Radiation Oncology	 Effective Date: 7/14/2023 Initial Effective Date: 9/1/1980
<input type="checkbox"/> New policy proposal <input type="checkbox"/> Minor/technical revision of existing policy <input type="checkbox"/> Major revision of existing policy <input checked="" type="checkbox"/> Reaffirmation of existing policy	

(A) Policy Statement

Under the guidance of a medical physicist, the megavoltage treatment machines shall be checked for output consistency and performance. This is the responsibility of the R.T.(T)'s.

(B) Purpose of Policy

To ensure consistency of megavoltage treatment machine output and performance.

(C) Procedure

1. Prior to treating patients, and in accordance with the generally accepted quality assurance procedures, each day check:
 - a. temperature and pressure for correction
 - b. beam output (photons and electrons)
 - c. laser lights
 - d. door interlock
 - e. all necessary machine parameters recommended by the manufacturer to be recorded for machine warm-up.
2. Record the results in the daily machine log .
3. If outputs are not within the ranges designated by the physicist, notify the physics staff immediately.

Approved by: <u>/s/</u> _____ 07/14/2023 Mersiha Hadziahmetovic, MD Associate Professor & Chair, Radiation Oncology <u>/s/</u> _____ Richard P. Swaine Chief Executive Officer - UTMC <i>Review/Revision Completed By:</i> Michelle Giovanoli	Review/Revision Date: 10/1981 2/1995 1982 2/1996 1983 10/1998 1984 4/1999 1985 3/2002 1986 2/2007 1987 10/15/2008 1988 7/1/2011 1989 7/1/2014 2/2990 7/1/2017 10/1992 5/1/2020 1993 7/14/2023 Next Review Date: 7/14/2026
Policies Superseded by This Policy: 38-13	