


Name of Policy: <u>Computer program acceptance testing</u> Policy Number: 3364-134-28 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: 1/26/1992
<input type="checkbox"/> New policy proposal <input type="checkbox"/> Major revision of existing policy	
<input type="checkbox"/> Minor/technical revision of existing policy <input checked="" type="checkbox"/> Reaffirmation of existing policy	

A) Policy Statement

Acceptance testing shall be performed on each dose calculating computer program that could be used for external beam radiation therapy and brachytherapy dose calculations.

B) Purpose of Policy

To ensure the accuracy of computer programs used for external beam radiation therapy and brachytherapy dose calculations.

C) PROCEDURE

1. Acceptance testing will be performed only by certified medical physicists.
2. Acceptance testing will be performed before the first clinical use and after the modification of a treatment planning or dose calculation computer program used for external beam radiotherapy or brachytherapy dose calculations.
3. The results of the acceptance testing will be retained and compared with any assessment performed following a significant revision of the computer program.
4. QA of dose calculating computers will be done annually

Approved by: <u>/s/</u> 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: 10/1993 10/1996 4/1999 3/2002 5/2008 7/1/2011 7/1/2014 7/1/17 10/1/17 7/1/2020 7/14/2023 Next Review Date: 7/14/2026
Policies Superseded by This Policy: 38-72	