


<b>Name of Policy:</b>	<b>Daily Quality Assurance for Megavoltage Treatment Machines</b>	 <b>Effective Date:</b> 7/1/2011 Initial Effective Date: 9/1980
<b>Policy Number:</b>	3364-134-13	
<b>Department:</b>	Radiation Oncology	
<b>Approving Officer:</b>	Sr. Vice President & Executive Director, UTMC	
<b>Responsible Agent:</b>	Technical Manager, Radiation Oncology	
<b>Scope:</b>	Radiation Oncology	
<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**

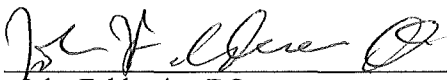
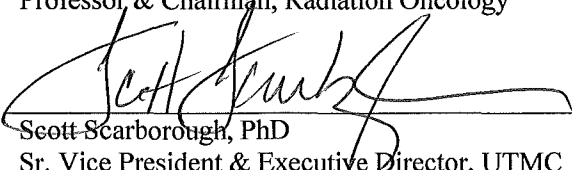
Under the guidance of a medical physicist, the megavoltage treatment machines shall be checked for output consistency and performance. This is the responsibility of the R.T.(T)'s.

**(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.

<b>Approved by:</b>  John Feldmeier, DO Professor & Chairman, Radiation Oncology Date: 2/1/11		<b>Review/Revision Date:</b> 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 2/2990 10/1992 1993
 Scott Scarborough, PhD Sr. Vice President & Executive Director, UTMC Date: 7/7/11		
Review/Revision Completed By: Michelle Giovanoli		<b>Next Review Date:</b> 7/1/2014
<b>Policies Superseded by This Policy:</b> 38-13		