


<b>Name of Policy:</b>	<b>Annual Calibration of Radiation Treatment Machines</b>	
<b>Policy Number:</b>	3364-134-01	
<b>Department:</b>	Radiation Oncology	
<b>Approving Officer:</b>	Chief Executive Officer - UTMC Professor & Chairman, Radiation Oncology	
<b>Responsible Agent:</b>	Technical Manager, Radiation Oncology	
<b>Scope:</b>	Radiation Oncology	
		<b>Effective Date:</b> 5/1/2020
		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**

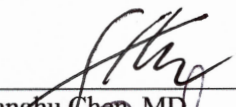
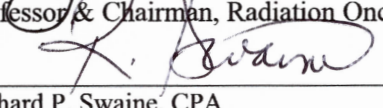
Each radiation-generating treatment machine shall be calibrated annually by a Board Certified Physicist.

**(B) Purpose of Policy**

To ensure accuracy in the measured dose and dosimetry parameters.

**(C) Procedure**

1. Use an ionization chamber and electrometer that has a recent calibration factor (within two years) from an accredited dosimetry calibration laboratory (ADCL).
2. Determine the output and any other necessary parameters in accordance with generally accepted calibrating standards.
3. Update the treatment planning computers if the results of calibration differ from previous data.

<b>Approved by:</b>		<b>Review/Revision Date:</b>
	<u>5/29/2020</u>	10/1981      1995
Changhu Chen, MD Professor & Chairman, Radiation Oncology	Date	1982      1996
		1983      1997
Richard P. Swaine, CPA Chief Executive Officer - UTMC	Date	1984      4/1999
		1985      3/2002
		1986      9/30/2008
		1987      7/1/2011
		1988      7/1/2014
		1989      7/1/2017
		1990      5/1/2020
		1992
<i>Review/Revision Completed By:</i> Michelle Giovanoli		<b>Next Review Date:</b> 5/1/2023
<b>Policies Superseded by This Policy:</b> 38-002		