


Name of Policy:	Source to Skin Distances (SSD)	 THE UNIVERSITY OF TOLEDO Effective Date: 12/1/2017 Initial Effective Date: 8/1/2007
Policy Number:	3364-134-62	
Department:	Radiation Oncology	
Approving Officer:	Chief Executive Officer - UTMC Professor & Chairman, Radiation Oncology	
Responsible Agent:	Technical Manager, Radiation Oncology	
Scope:	Radiation Oncology	
<input type="checkbox"/> New policy proposal <input checked="" type="checkbox"/> Minor/technical revision of existing policy <input type="checkbox"/> Major revision of existing policy <input type="checkbox"/> Reaffirmation of existing policy		

(A) Policy Statement

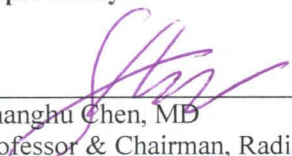
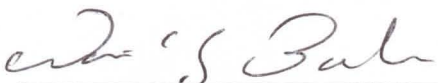
To ensure that the radiologic depth of treatment is evaluated on a continuing basis during a patient's treatment.

(B) Purpose of Policy

To ensure that the dose delivered to the patient is delivered based on up-to-date evaluations of the patient's surface, and calculated dose for that treatment.

(C) Procedure

- For patients who do not have CBCT order for their treatment, Therapists on a weekly basis, will check, and record in the Journal Folder of ARIA, the SSD's for each measurable port using the optical distance indicator (ODI) light. If the SSD's are out of range, they will need to be rechecked the next day. If the SSD's are out of range the second day, before treatment, the physics staff will be notified, and they will determine if it requires recalculation using the tolerances in part 3 as a guide.
- For patients receiving CBCT guidance, re-computation of dose should be considered if the average radiological path length to target's isocenter has changed significantly, as determined by physician and a physicist during imaging, using the tolerances in part 3 as a guide.
- The range for each energy, to be within tolerance, is as listed:
 - All energies up to 10MV: the recorded SSD or radiologic path length will be within 1.0 cm tolerance.
 - All energies above 10MV: the recorded SSD or radiologic path length will be within 1.5 cm tolerance.

Approved by:  Changhu Chen, MD Professor & Chairman, Radiation Oncology Date: 11/21/2017	Review/Revision Date: 11/2007 1/2008 3/10/2011 12/1/2014 12/1/2017
 Daniel Barbee, RN, BSN, MBA Chief Executive Officer - UTMC Date: 6 Dec 2012	
Review/Revision Completed By: Michelle Giovanoli	Next Review Date: 12/1/2020
Policies Superseded by This Policy: 38-111	