

LSUHSC-SHREVEPORT
Radiation Oncology
Proc. 19.6.7.1

Aktina-Open Air Graticule

Policy:

To provide guidelines to ensure the therapists are knowledgeable when used for radiation therapy to project a scale of defined increments on port film images which can aid in treatment setup and verification. It is intended to be attached while the patient is receiving photon treatments. The graticule assist the physician with localizing the isocenter in relationship with bony landmarks.

Procedure:

1. Attaching the graticule
 - a. Graticule should be attached to linear accelerator head
 - b. Insert graticule into the Linac by inserting hook and pushing latch upwards into place until locked
2. Detaching the Graticule
 - a. Keep both hands on graticule when removing from accelerator
 - b. Use thumb of the right hand to release the safety lever while simultaneously using the fingers of the right hand to pull the release lever
3. Port Film Verification
Attach Open Air Graticule to Linear Accelerator head in order to obtain port film image
4. Cleaning
Frame should be cleaned with damp cloth and mild detergent, then rubbed down with dry cloth
5. Maintaining accuracy of graticule
 - a. Alert physicist when identifying graticule and crosshairs of central ray misalignment
 - b. Storage of graticule- Nothing to be placed on wire to cause misalignment

Written: 9/ 2007

Reviewed: November 2008

