

**LSUHSC – Shreveport
Radiation Oncology
Proc. 19.8.19**

STRONTIUM 90 TREATMENT PROCEDURES

Policy:

The department will provide nursing staff with guidelines regarding their clinical duties for preparing the patient for Strontium 90 superficial treatment procedures. Staff will maintain strict clinical procedures for assisting physician while treating superficial lesions to the orbit using Strontium 90.

Procedure:

1. Obtain sterile eye lid retractor
2. Obtain Strontium 90 source from hot lab.
3. Set up tray for treatment procedure
4. Obtain Alcaine – eye anesthetic from Pharmacy
5. Soak eye retractor in sterile water for 15 – 20 secs.
6. Put patient in supine position on table or stretcher
7. Notify doctor when patient is ready.
8. The physician will apply eye drops
9. The Radiation Oncologist will place eye lid retractor
10. The Medical Physicist will calculate treatment time and monitor treatment
11. The Radiation Oncologist will place Strontium 90 source in treatment positions and hold for duration of treatment.
12. Radiation Oncologist will remove eye lid retractor.
13. The Strontium 90 source will be returned to the hot lab after treatment and the eye lid retractor will be to be sterilized.

Written: 1998

Revised: 2007

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