

**LSUHSC-Shreveport  
Radiation Oncology  
Proc. 19.5.1**

**ALPHACRADLE IMMOBILIZATION DEVICE**

**Policy:**

To describe the steps for creating an immobilization device with 2-part form systems.

1. An alphacradle is fabricated on patients requiring immobilization that cannot be provided by standard in-house devices. All persons making alpha cradles need to review individual manufactures' instructions before use.
2. Use safety equipment as follows:
  - a. use safety goggles to protect eyes from solutions;
  - b. use rubber gloves to keep solutions off skin.

**Procedure:**

1. Do not allow contents to contact skin or eyes. If skin contact occurs, flush with water for 10 minutes and apply a skin lotion. If eye contact occurs, flush with saline solution and contact physician.
2. Position plastic bag under and around patient to allow alphacradle material to expand in such a way as to hold body in desired position. After solution is poured into bag, roll open end of bag to keep solution from leaking out as it expands.
3. Carefully remove lid of bottle #1 and add to bottle #2, recap and shake very hard for 10 seconds with the cap pointing down. Open and use entire contents, collapsing bottle. When disposing of empty bottles do not recap.
4. If alphacradle is fabricated by dosimetry, take immobilization device to simulator room and instruct the therapist on its use.
5. Charge a complex treatment device design and construction (77334) and document in chart.

Written: Jan. 06

Revised: 07

Reviewed: November 2008