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| Name of Policy: | Radiation Safety Precautions for Radioactive Patients on 4AB During Medical Emergency |  |
| Policy Number: | 3364-134-49 | |
| Department: | Radiation Oncology | |
| Approving Officer: | Chief Operating Officer | |
| Responsible Agent: | Technical Manager, Radiation Oncology | |
| Scope: | Radiation Oncology | Effective Date: 5/1/2016 Initial Effective Date: 9/5/1980 |
| <input type="checkbox"/> New policy proposal <input type="checkbox"/> Major revision of existing policy | | <input type="checkbox"/> Minor/technical revision of existing policy <input checked="" type="checkbox"/> Reaffirmation of existing policy |

(A) Policy Statement

Sealed Source Radionuclide implant patients for whom radiation safety precautions are in effect are restricted to a room in the hospital. In emergency situations when the patient needs proper medical care in ICU/CCU/SICU, the following precautions need to be observed.

(B) Purpose of Policy

To limit radiation exposure to other patients, visitors and staff to an absolute minimum.

(C) Procedure

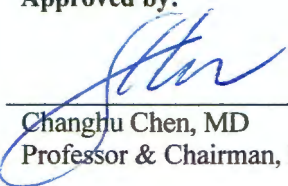

1. For Sealed Source Implant Patient Using Cs-137 or Ir-192

- a. Notify immediately the radiation oncologist and the radiation safety officer (RSO) or the designated individual. During off duty hours the radiation oncologist and RSO may be reached through the hospital switchboard.
- b. In some cases it is advisable to remove the radioactive source from the patient. Contact the radiation oncologist. Once the source has been removed from the patient and is confirmed by a survey, no precautions are required and the patient can be transferred to ICU/CCU/SICU for emergency treatment. **DOCUMENTATION OF SOURCE REMOVAL IS MANDATORY.**
- c. If the source cannot be removed, the following radiation safety precautions must be followed:
 - 1) All personnel involved with the emergency treatment must be informed that the patient has radioactive source in place, and they must be assigned a radiation dosimeter (contact the Radiation Safety Office, radiation dosimeters will be provided to the nursing unit).
 - 2) Follow the instructions posted on the door for occupational radiation workers. No pregnant patients, employees or visitors are permitted near the patient.
 - 3) Maintain as much distance as possible from the patient, utilize the mobile lead shielding device located in the room, and minimize the time of stay near the patient.
 - 4) If more than the designated time is required for performing the emergency treatment, consider rotation of personnel.

2. Patients Treated with I-125 Seeds

Radiation safety precautions are minimal but should be followed for the first five days or until the patient is discharged, whichever comes first.

- a. **All urine** and linens are to be saved until Radiation Safety can survey them for radioactivity.
- b. If patient has a Foley catheter and it is removed it must be saved until Radiation Safety can survey it for radioactivity.
- c. Once the patient has his Foley catheter removed, all urine must be collected and kept until Radiation Safety can survey it for radioactivity.
- d. If the patient is discharged within 5 days of implantation they must receive Radiation Safety instructions.

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| <p>Approved by:</p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="text-align: center;">  <hr style="width: 80%; margin: 0 auto;"/> <p>Changhu Chen, MD Professor & Chairman, Radiation Oncology</p> </div> <div style="text-align: center;"> <p><u>4/18/2016</u> Date</p> </div> </div> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="text-align: center;">  <hr style="width: 80%; margin: 0 auto;"/> <p>Daniel Barbee, RN, BSN, MBA Chief Operating Officer</p> </div> <div style="text-align: center;"> <p><u>20 April 2016</u> Date</p> </div> </div> <p style="margin-top: 20px; font-size: small;">Review/Revision Completed By: Michelle Giovanoli</p> | <p>Review/Revision Date:</p> <p>10/9/1990 11/1992 2/1995 1996 3/1997 4/1999 3/2002 5/2008 7/1/2011 7/1/2013 5/1/2016</p> <hr style="border: 0.5px solid black;"/> <p>Next Review Date: 5/1/2019</p> |
| <p>Policies Superseded by This Policy: 38-48A</p> | |