

U.S. NUCLEAR REGULATORY COMMISSION

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. Beebe Medical Center</p> <p>2. 424 Savannah Road Lewes, Delaware 19958</p>	<p>In accordance with the letter dated January 20, 2015,</p> <p>3. License number 07-17792-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date June 30, 2024</p> <hr/> <p>5. Docket No. 030-13331 Reference No.</p>
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| <p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.100</p> <p>B. Any byproduct material permitted by 10 CFR 35.200</p> <p>C. Any byproduct material permitted by 10 CFR 35.300</p> <p>D. Iodine 125 permitted by 10 CFR 35.400</p> | <p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p> <p>D. Sealed Sources as specified in Condition 12</p> | <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As needed</p> <p>B. As needed</p> <p>C. 1000 millicuries</p> <p>D. 1 curie</p> |
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9. Authorized use:
- A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.
  - B. Any imaging and localization study permitted by 10 CFR 35.200.
  - C. Any diagnostic study or therapy procedure permitted by 10 CFR 35.300, for which the patient can be released under the provisions of 10 CFR 35.75.
  - D. Any manual brachytherapy procedure permitted by 10 CFR 35.400, for which the patient can be released under the provisions of 10 CFR 35.75.

**CONDITIONS**

10. A. Licensed material may be used or stored only at the licensee's facilities located at 424 Savannah Road, Lewes, Delaware.

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- B. Licensed material in Item 6.B. may be used or stored at the licensee's facilities located at the Beebe Health Campus, Bookhammer Outpatient Center, 18941 John J. Williams Highway (Route 24), Rehoboth Beach, Delaware.
- C. Licensed material Item 6.D. may be used or stored at the licensee's facilities located at the Beebe Health Campus, Bookhammer Outpatient Center, 18941 John J. Williams Highway (Route 24), Rehoboth Beach, Delaware.
11. The Radiation Safety Officer for this license is Malek Mansour Daneshvarnezhad, M.S., DABR.
12. Sealed sources permitted by this license include:
- | <u>Isotope</u> | <u>Source Model Number</u>                             | <u>Maximum Activity Per Source</u> |
|----------------|--|------------------------------------|
| I-125          | Medi-Physics, Inc. (d/b/a GE Healthcare)<br>Model 6711 | 270 millicuries                    |
| I-125          | Best Medical International, Inc. Model 2301            | 110 millicuries                    |
| I-125          | Theragenics Corp. Model I25.S06                        | 40 millicuries                     |
| I-125          | Theragenics Corp. Model AgX100                         | 20 millicuries                     |
| I-125          | IsoAid, LLC Model IAI-125A                             | 10 millicuries                     |
| I-125          | Bard Brachytherapy, Inc. Model STM1251                 | 15 millicuries                     |
| I-125          | Amersham/Medi-Physics, Inc. Model 6702                 | 195 millicuries                    |
| I-125          | Eckert & Ziegler BEBIG, Inc., Model I25.S06            | 100 millicuries                    |
13. Licensed material is only authorized for use by, or under the supervision of:

- A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.
- B. The following individuals are authorized users for medical use as indicated:

<u>Authorized Users</u>	<u>Material and Use</u>
Brian Costleigh, M.D.	35.300; 35.400
Michael Ramjattansingh, M.D.	35.100; 35.200
Andrejs Strauss, M.D.	35.400

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Authorized Users

Material and Use

Ellen Bahtiarian, M.D.	35.100; 35.200; 35.300
Frances Esposito, M.D.	35.100; 35.200; 35.300
Andrew Dahlke, M.D.	35.100; 35.200
Jeffrey McCann, M.D.	35.100; 35.200
Norman H. Boyer, M.D.	35.100; 35.200
Georges Abdul-Karim Dahr, M.D.	35.200
Rajinder Prasad, M.D.	35.200
Ramon Alberto Rosa, M.D.	35.200
Dennis Michael Flamini, D.O.	35.100; 35.200; Oral administration of sodium iodide I-131
Jennifer Hung, M.D.	35.400
Mouhanad K. Freih, M.D.	35.100; 35.200
Barry S. Denenberg, M.D.	35.200

14. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
15. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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16. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Letter dated January 20, 2011, except shielding assessment [ML110200525]
  - B. Letter dated February 7, 2011 [ML110390314]
  - C. Facility diagrams received March 19, 2012 [ML120790362]
  - D. Application dated December 18, 2013 [ML14014A072]
  - E. Letter dated May 29, 2014 [ML14163A664]



For the U.S. Nuclear Regulatory Commission

***Original signed by Lester Tripp***

Date March 10, 2015

By \_\_\_\_\_

Lester Tripp  
Medical Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406