Amendment No. 56

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.

| Licensee | In accordance with the letter dated August 17, 2011, |
|---|---|
| 1. Middlesex Hospital | 3. License number 06-00649-03 is amended in its entirety to read as follows: |
| 2. 28 Crescent Street<br>Middletown, Connecticut 06457 | 4. Expiration date June 30, 2013 |
| | 5. Docket No. 030-01242<br>Reference No. |

| 6. Byproduct, source, and/or special nuclear material | 7. Chemical and/or physical form | 8. Maximum amount that licensee may possess at any one time under this license |
|---|---|---|
| A. Any byproduct material permitted by 10 CFR 35.100 | A. Any | A. As needed |
| B. Any byproduct material permitted by 10 CFR 35.200 | B. Any | B. As needed |
| C. Any byproduct material permitted by 10 CFR 35.300 | C. Any | C. 1000 millicuries |
| D. Any byproduct material permitted by 10 CFR 35.400 | D. Sealed Sources [Best Medical International, Inc. Model 2301; IsoAid, L.L.C. Model IAI-125A (Advantage -125)] | D. 2000 millicuries |

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.
D. Any manual brachytherapy procedure permitted by 10 CFR 35.400.

CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at 28 Crescent Street, 530, 534 and 536 Saybrook Road, Middletown, Connecticut.

11. The Radiation Safety Officer for this license is Joan Merton.

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12. 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:

| Authorized Users | Material and Use |
|---|---|
| Ravi Jain, M.D. | 35.100; 35.200; Oral administration of Iodine-131 in quantities less than or equal to 33 millicuries |
| Joseph B. Weissberg, M.D. | 35.300; 35.400 |
| Diana Miller Hull, M.D., Ph.D. | 35.100; 35.200; Oral administration of Iodine-131 in quantities less than or equal to 33 millicuries |
| Michael Crain, M.D. | 35.100; 35.200; Iodine-131 sodium iodide for imaging and localization studies |
| Eric J. Mannes, M.D. | 35.100; 35.200; Iodine-131 sodium iodide for imaging and localization studies |
| Craig A. Walden, M.D. | 35.100; 35.200; Iodine-131 sodium iodide for imaging and localization studies |
| Erik Pingoud, M.D. | 35.100; 35.200; Iodine-131 sodium iodide for imaging and localization studies |
| Jeffrey Takahashi, M.D. | 35.100; 35.200; Iodine-131 sodium iodide for imaging and localization studies |
| Robert Wolek, M.D. | 35.100; 35.200; 35.300 |
| Nancy Rini, M.D. | 35.100; 35.200; Iodine-131 sodium iodide for imaging and localization studies |
| Anwar M. Khan, M.D. | 35.400 |

13. 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.

14. 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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15. 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. Application dated May 22, 2003 (ML031500504)
B. Letter dated June 16, 2003 (ML031690461)

For the U.S. Nuclear Regulatory Commission

Date September 12, 2011

By ***Original signed by Tara L. Weidner***

Tara L. Weidner
Medical Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406