

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.

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Licensee

In accordance with letter dated

August 25, 2010,

3. License number 24-18315-01 is amended in its entirety to read as follows:

4. Expiration date June 30, 2014

5. Docket No. 030-14837
Reference No.

1. Jefferson Memorial Hospital

2. P. O. Box 350

Crystal City, MO 63019

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. As needed (not to exceed one curie of iodine-131)

D. Any byproduct material permitted by 10 CFR 35.400

D. Sealed sources
(Theragenics model I-seed model I25.S06, Best Medical Int'l., Inc. model 2301 and Amersham Health Model nos. 6711 and 6733, Theragenics model 200 and Best Medical Int'l., Inc. model 2335; Bard Brachytherapy, Inc. Model STM1251)

D. 2 curies

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.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

24-18315-01

Docket or Reference Number

030-14837

Amendment No. 28

CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at Highway 61 South, Crystal City, Missouri.
11. The Radiation Safety Officer for this license is James A. Junker, M.D.
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 uses:**

Authorized UsersMaterial and Use

Johnathan Dehner, M.D.

10 CFR 35.100 and 35.200.

Alfred D. Shaplin, M.D.

10 CFR 35.100 and 35.200.

James A. Junker, M.D.

10 CFR 35.100, 35.200 and 35.300.

Jeffery A. Hardy, M.D.

10 CFR 35.100, 35.200 and 35.300.

Timothy R. O'Leary, M.D.

10 CFR 35.300, and 10 CFR 35.400

Smita S. Parikh, M.D.

10 CFR 35.100 and 35.200.

Narsingham Gatla, M.D.

10 CFR 35.100 and 35.200.

Paula M. Leiva, M.D.**10 CFR 35.100, 35.200 and 35.300 limited to oral administration of sodium iodide I-131 in quantities less than or equal to 33 millicuries.**

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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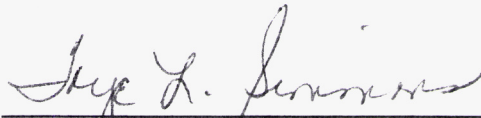
15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are 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 March 24, 2004; and
- B. Letter dated June 11, 2008.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date OCT 29 2010

By



Toye L. Simmons
Materials Licensing Branch
Region III