

**MATERIALS LICENSE**

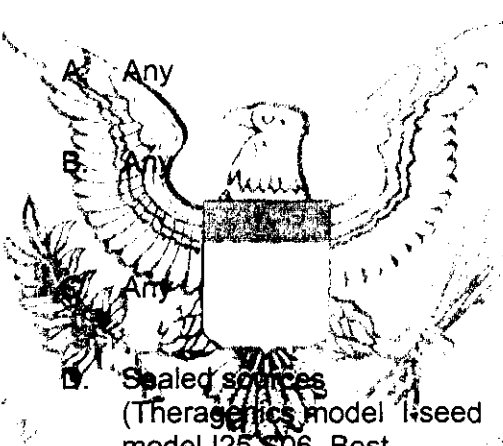
Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, 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.

*R 12120*

*315344*

<p>Licensee</p> <p>1. Jefferson Memorial Hospital</p> <p>2. P. O. Box 350 Crystal City, MO 63019</p>	<p>In accordance with letter dated <b>February 23, 2006,</b></p> <p>3. License number 24-18315-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date June 30, 2014</p> <p>5. Docket No. 030-14837 Reference No.</p>
--	---

<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 excluding xenon-133</p> <p>C. Any byproduct material permitted by 10 CFR 35.300</p> <p>D. Iodine-125 as permitted by 10 CFR 35.400</p> <p>E. Palladium-103 as 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 (Theragenics model Iseed model I25.S06, Best Medical Int'l., Inc. model 2301 and Ameriham Health Model nos. 6711 and 6733)</p> <p>E. Sealed sources (Theragenics model 200 and Best Medical Int'l., Inc. model 2335)</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. As needed (not to exceed one curie of iodine-131)</p> <p>D. 1 curie</p> <p>E. 1 curie</p>
---	---	---



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.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
24-18315-01

Docket or Reference Number  
030-14837

Amendment No. 24

D. and E. 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 Highway 61 South, Crystal City, Missouri.
11. The Radiation Safety Officer for this license is Alfred D. Shaplin, 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 Users

Material and Use

Johnathan Dehner, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
Alfred D. Shaplin, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
James A. Junker, M.D.	10 CFR 35.100, 35.200 (excluding xenon-133) and 35.300 (excluding Iodine-131 for thyroid carcinoma).
MacDonald Logie, M.D.	10 CFR 35.100, 35.200 (excluding xenon-133), 35.300, and Iodine-125 and Palladium-103 as permitted by 10 CFR 35.400
John P. Crotty, M.D.	10 CFR 35.100, 35.200 (excluding xenon-133) and 35.300 (excluding Iodine-131 for thyroid carcinoma).
John A. Merkle, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
Jeffery A. Hardy, M.D.	10 CFR 35.100, 35.200 (excluding xenon-133) and 35.300.
Michael Joe Raney, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
Timothy R. O'Leary, M.D.	10 CFR 35.300, and Iodine-125 and Palladium-103 as permitted by 10 CFR 35.400
Smita S. Parikh, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
<b>Thomas J. Pilla, M.D.</b>	<b>10 CFR 35.100 and 35.200 (excluding xenon-133).</b>

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
24-18315-01

Docket or Reference Number  
030-14837

Amendment No. 24

13. 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.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date     MAY 09 2006    

By     Toye L. Simmons      
Toye L. Simmons  
Materials Licensing Branch  
Region III