

**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, 37, 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<br><b>January 14, 2015,</b>               |
| 1. Memorial Healthcare                            | 3. License No. 21-11475-01 is amended in its entirety to read as follows: |
| 2. 826 West King Street<br>Owosso, Michigan 48867 | 4. Expiration Date: <b>December 31, 2024</b>                              |
|   | 5. Docket No. 030-02100<br>Reference No.                                  |

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| 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 300 millicuries of iodine-131)                     |
| D. Iodine-125 permitted by 10 CFR 35.400              | D. Sealed sources (Mediphysics Model 6711 (OncoSeed™)) | D. 150 millicuries.  |
| E. Palladium-103 permitted by 10 CFR 35.400           | E. Sealed Sources (Theragenics Corp. Model 200)        | E. 400 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. and E. Any manual brachytherapy procedure permitted by 10 CFR 35.400.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License No.

21-11475-01

Docket or Reference No.

030-02100

**Amendment No. 40**

CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at 826 West King Street, Owosso, Michigan.
11. **The Radiation Safety Officer for this license is Gurkan Ege, 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 use as indicated:

Authorized User

Material and Use

Hesham M. El Gayar, M.D.

10 CFR 35.100, 35.200, 35.300 and 35.400.

Jack L. Nettleton, M.D.

10 CFR 35.300 (limited to the oral administration of sodium iodide I-131 in quantities of 33 millicuries or less) and 35.400.

Sherrie M. Brooks, D.O.

10 CFR 35.100 and 35.200.

P.B. Lauber, M.D.

10 CFR 35.100, 35.200 and 35.300.

Ahmed M. Akl, M.D.

10 CFR 35.300 and 35.400.

AppaRao Mukkamala, M.D.

10 CFR 35.100, 35.200, 35.300 and 35.400.

M. Rao Tummala, M.D.

10 CFR 35.100, 35.200, and 35.300 (limited to the oral administration of sodium iodide I-131 in quantities of 33 millicuries or less).

Dindi D. Reddy, M.D.

10 CFR 35.100 and 35.200.

Anant Patel, M.D.

10 CFR 35.100, 35.200 and 35.300 (limited to oral administration of sodium iodide I-131).

Gurkan Ege, M.D.

10 CFR 35.100, 35.200 and 35.300 (limited to oral administration of sodium iodide I-131).

Gagandeep Singh, M.D.

10 CFR 35.100, 35.200 and 35.300 (limited to oral administration of sodium iodide I-131).

13. 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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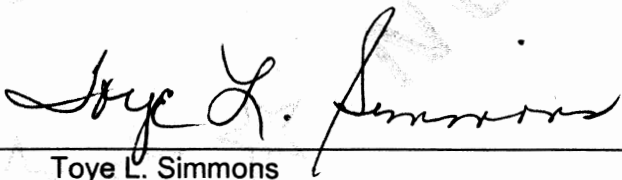
14. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are 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 29, 2014.

B. Letters dated November 12, 2014 and **January 14, 2015**.

FOR THE U. S. NUCLEAR REGULATORY COMMISSION

Date APR 07 2015

By   
Toye L. Simmons  
Materials Licensing Branch  
Region III