

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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| <p>Licensee</p> <p>1. Hurley Medical Center Department of Radiology</p> <p>2. One Hurley Plaza Flint, MI 48503</p> | <p>In accordance with application dated October 27, 2015,</p> <p>3. License number 21-00338-02 is renewed in its entirety to read as follows:</p> <hr/> <p>4. Expiration date March 31, 2026</p> <hr/> <p>5. Docket No. 030-01993 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. Yttrium-90 permitted by 10 CFR 35.1000</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 (MDS Nordion Model TheraSpheres)</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. One curie</p> <p>D. 500 millicuries</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 therapy procedure permitted by 10 CFR 35.300.
 - D. For medical use as permitted by 10 CFR 35.1000 in a TheraSphere dose delivery system.

CONDITIONS

- 10. Licensed material shall be used only at the licensee's facilities located at Hurley Medical Center, One Hurley Plaza, Flint, Michigan.
- 11. The Radiation Safety Officer (RSO) for this license is Gurkan Ege, M.D.

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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

P. B. Lauber, M.D.

10 CFR 35.100, 35.200, and 35.300.

Ahmed M. Akl, M.D.

10 CFR 35.300.

Apparao Mukkamala, M.D.

10 CFR 35.100, 35.200, 35.300, 35.500.

M. Rao Tummala, M.D.

10 CFR 35.100, 35.200, and 35.300 (limited to sodium iodine-131 in quantities less than or equal to 30 millicuries).

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).

Ambreen Sattar, M.D.

10 CFR 35.100, 35.200, 35.300 and 35.1000 limited to Yttrium-90 TheraSpheres.

Anish Bansal, M.D.

10 CFR 35.100, 35.200, 35.300 and 35.1000 limited to Yttrium-90 TheraSpheres.

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."

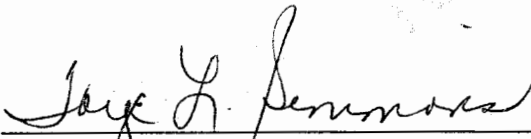
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14. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license 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 October 27, 2015. (ML15302A335)
B. Letter dated February 29, 2016 (ML16062A111)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date MAR 09 2016

By


Toy L. Simmons
Materials Licensing Branch
Region III