

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, 70 and 71, 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 1. Barnes-Jewish St. Peter's Hospital 2. 10 Hospital Dr. Dept. of Radiology St. Peters, MO 63376		In accordance with letter dated May 06, 2019.	4. Expiration Date: July 31, 2021 5. Docket No.: 030-17414 Reference No.:
6. Byproduct, source, and/or special nuclear material A. Any byproduct material permitted by 10 CFR 35.100 B. Any byproduct material permitted by 10 CFR 35.200 C. Any byproduct material permitted by 10 CFR 35.300 D. Iodine-125 permitted by 10 CFR 35.400	7. Chemical and/or physical form A. Any B. Any C. Any D. Sealed Sources (IsoAID L.L.C., Model IAI-125A (Advantage I-125); Medi-Physics, Inc., d/b/a GE Healthcare (formerly Oncura), Model 6711 (OncoSeed); Theragenics Corporation, Model I-Seed AgX100)	8. Maximum amount that licensee may possess at any one time under this license A. As Needed B. As Needed C. 1 curie total D. 2 curies total	9. Authorized use A. For use in uptake, dilution and excretion studies permitted by 10 CFR 35.100. B. For use in imaging and localization studies permitted by 10 CFR 35.200. C. For any use permitted by 10 CFR 35.300. D. For any manual brachytherapy procedure permitted by 10 CFR 35.400.

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SUPPLEMENTARY SHEET**License Number
24-18968-01Docket or Reference Number
030-17414

Amendment No. 59

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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 | 9. Authorized use |
| E. Palladium-103 permitted by 10 CFR 35.400 | E. Sealed Sources (Theragenics Corporation TheraSeed, Model 200) | E. 2 curies total | E. For any manual brachytherapy procedure permitted by 10 CFR 35.400. |

CONDITIONS

10. A. Licensed material may be used or stored at the licensee's facilities located at Barnes-Jewish St. Peter's Hospital, 10 Hospital Dr., St. Peters, Missouri 63376.
- B. Licensed material listed in Subitem Nos. 6.D. through 6.E. may be used at the licensee's facilities located at the Outpatient Surgery Center, 100 Entrance Way, St. Peters, Missouri 63376.
- C. Licensed material listed in Subitem No. 6.C may be used at the licensee's facility located at the Siteman Cancer Center, 150 Entrance Way, St. Peters MO 63376.
11. The Radiation Safety Officer (RSO) for this license is Constance Courtois, M.D.
12. Licensed material shall only be used by, or under the supervision of:
- A. Individuals permitted to work as authorized users, in accordance with 10 CFR 35.13 and 10 CFR 35.14.
- B. The following individuals are authorized users for the material and medical uses as indicated:

Authorized User(M.D.,D.O.,etc.)

Martin B. Ast, M.D.

Joelle Biernacki, M.D.

Material and Use

10 CFR 35.200

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

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Authorized User(M.D.,D.O.,etc.)

Meredith Byers, M.D.

Ajay Chapa, M.D.

Constance Courtois, M.D.

Heather V. Garrett, M.D.

Punita Gupta, M.D.

Lannis Elese Hall-Daniels, M.D.

James Kelly, M.D.

Paula M. Leiva, M.D.

Michael Penney, M.D.

Hui Hua Shu, M.D.

Robert Stachecki, M.D.

Diana L. Westerfield, D. O.

Material and Use

10 CFR 35.100,10 CFR 35.200

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

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

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

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

10 CFR 35.300,10 CFR 35.400 (limited to iodine-125 and palladium-103)

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

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

10 CFR 35.100,10 CFR 35.200

10 CFR 35.100,10 CFR 35.200

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

10 CFR 35.200

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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 February 21, 2011 (ML110600772)
- B. Letter dated October 29, 2012 (ML12331A082)
- C. Letter dated April 23, 2015 (ML15133A399)
- D. Letter dated July 23, 2015 (ML15210A846)
- E. Letter dated August 17, 2015 (ML15257A442)
- F. Letter dated December 17, 2015 (ML15357A550)
- G. Letter dated January 8, 2016 (ML16013A241)
- H. Letter dated April 11, 2016 (ML16103A353)
- I. Letter dated June 29, 2016 (ML16181A397)
- J. Letter dated May 6, 2019 (ML19134A331)
- K. Letter dated July 19, 2019 (ML19217A103)

Date: AUG 12 2019

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

By: Cassandra F. Frazier
Region III