

U.S. NUCLEAR REGULATORY COMMISSION

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.

<p>Licensee</p> <p>1. Robert Wood Johnson University Hospital At Hamilton</p> <p>2. One Hamilton Health Place Hamilton, New Jersey 08690-3599</p>	<p>In accordance with the letter dated December 10, 2008,</p> <p>3. License number 29-16145-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date February 28, 2013</p> <hr/> <p>5. Docket No. 030-10491 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</p> <p>C. Any byproduct material permitted by 10 CFR 35.300</p> <p>D. Any byproduct material 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 (Bard Brachytherapy, Inc. Model STM 1251)</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. 800 millicuries</p> <p>D. 1000 millicuries</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, for which the patient can be released under the provisions of 10 CFR 35.75.
 - D. Any manual brachytherapy procedure permitted by 10 CFR 35.400, for which the patient can be released under the provisions of 10 CFR 35.75.

CONDITIONS

- 10. Licensed material may be used or stored at the licensee's facilities located at One Hamilton Health Place, Hamilton, New Jersey. Only licensed material in Item 6.D. may be used or stored at the licensee's facilities located in Room 116, 2575 Klockner Road, Hamilton, New Jersey.
- 11. The Radiation Safety Officer for this license is Janet Bryant.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
29-16145-01

Docket or Reference Number
030-10491

Amendment No. 37

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:

<u>Authorized Users</u>	<u>Material and Use</u>
James P. Callahan, M.D.	35.100; 35.200
Robert S. Collins, M.D.	35.100; 35.200
David S. Leder, M.D.	35.100; 35.200
Fred H. Schlesinger, M.D.	35.100; 35.200
Michael G. Stebbins, M.D.	35.100; 35.200
Mark Tenenzapf, M.D.	35.100; 35.200
Issam F. Moubarak, M.D.	35.100; 35.200
Bartley Larsen, M.D.	35.100; 35.200; 35.300, except oral administration of greater than 33 millicuries of sodium iodide iodine-131
William J. McGroarty, M.D.	35.100; 35.200; 35.300, except oral administration of greater than 33 millicuries of sodium iodide iodine-131
Rosemary LoCastro, M.D.	35.100; 35.200; 35.300
William E. Costanzo, M.D.	35.200
Krishan G. Kalra, M.D.	35.200
Lee Glickman, M.D.	35.200
John Caplan, M.D.	35.200
Ronald Ryder, M.D.	35.200
Richard Hyman, M.D.	35.200
Janak H. Bhavsar, M.D.	35.200
Keith J. Fishbein, M.D.	35.200

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
29-16145-01

Docket or Reference Number
030-10491

Amendment No. 37

<u>Authorized Users</u>	<u>Material and Use</u>
Neil M. Rothstein, M.D.	35.200
Sangeeta Garg, M.D.	35.200
Neeta Tripathi, M.D.	35.200
Eduard Kagan, M.D.	35.400
Michael McKenna, M.D.	35.400
Atif J. Khan, M.B.B.S.	35.400
Sung Kim, M.D.	35.400
Debora S. Fineman, M.D.	35.100; 35.200; 35.300
Steven S. Yang, M.D.	35.100; 35.200; 35.300
Michael B. Kates, M.D.	35.100; 35.200; 35.300, except oral administration of greater than 33 millicuries of sodium iodide iodine-131
Louis S. Zeiger, M.D.	35.100; 35.200; 35.300

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."

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
29-16145-01

Docket or Reference Number
030-10491

Amendment No. 37

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 received February 27, 1991
 - B. Letter dated December 12, 1991
 - C. Letter dated January 20, 1994
 - D. Letter dated May 6, 1996
 - E. Letter dated November 14, 1997
 - F. Letter dated February 26, 1998
 - G. Letter dated September 25, 2002 (ML022820326)
 - H. Letter dated January 31, 2003 (ML030440380)
 - I. Letter dated June 11, 2003 (ML031690074)
 - J. Letter dated October 15, 2003 (ML033020300)
 - K. Letter dated September 8, 2004 (ML042660473)
 - L. Letter dated December 3, 2004 (ML043550356)
 - M. Letter dated March 9, 2005 (ML051110656)
 - N. Letter dated July 13, 2005 (ML052140221)
 - O. Letter dated September 12, 2005 (ML052580684)
 - P. Letter dated April 30, 2009 (ML091240536)
 - Q. Letter dated June 29, 2009 (ML091820556)

For the U.S. Nuclear Regulatory Commission

Date September 29, 2009

By

Original signed by Elizabeth Ullrich

Elizabeth Ullrich
Commercial and R&D Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406