



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

September 19, 2007

Docket No. 03002522
Control No. 140741

License No. 29-09701-01

Timothy Hogan
President
Riverview Medical Center
One Riverview Plaza
Red Bank, NJ 07701

SUBJECT: RIVERVIEW MEDICAL CENTER, LICENSE AMENDMENT, CONTROL NO.
140741

Dear Mr. Hogan:

This refers to your license amendment request dated June 22, 2007. Enclosed with this letter is the amended license.

Please note that current NRC regulations limit new 35.300 authorized users to partial authorizations. We have approved Dr. Danish, under 10 CFR 35.300, as Authorized User for "Oral administration of sodium iodide I-131 and Parenteral administration of any beta emitter, or a photon-emitting radionuclide with a photon energy less than 150 keV."

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).

Current NRC regulations and guidance are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material**; then **Regulations, Guidance, and Communications**. You may also obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-866-512-1800. The GPO is open from 7:00 a.m. to 8:00 p.m. EST, Monday through Friday (except Federal holidays).

T. Hogan
Riverview Medical Center

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Thank you for your cooperation.

Sincerely,

Original signed by Sandra Gabriel

Sandra Gabriel
Senior Health Physicist
Medical Branch
Division of Nuclear Materials Safety

Enclosure:
Amendment No. 53

cc:
Robert Wold, M.D., Radiation Safety Officer

DOCUMENT NAME: C:\FileNet\ML072680042.wpd

SUNSI Review Complete: SGabriel

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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 style="text-align: center;">Licensee</p> <p>1. Riverview Medical Center</p> <p>2. One Riverview Plaza Red Bank, New Jersey 07701</p>	<p>In accordance with the letter dated June 22, 2007,</p> <p>3. License number 29-09701-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date October 31, 2015</p> <hr/> <p>5. Docket No. 030-02522 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. 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 (Gamma Industries, Inc. Model MS-1-67-600 series [marketed as Nuclear Associates Micrad], AEA Technology Model CDC.T1 [marketed as Amersham Model CDC.T1], Medi-Physics, Inc. Model 6711 and 6733 [manufactured by Medi-Physics, Inc. or Amersham Health], North American Scientific, Inc. Model MED 3631, Best Medical International, Inc. Model 2301, Mills Biopharmaceuticals, Inc. Model I-125 SL)</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. 500 millicuries</p> <p>D. 2200 millicuries</p>
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**MATERIALS LICENSE
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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 |
| E. Strontium 90 permitted by 10 CFR 35.400 | E. Sealed Source (Isotope Products, Inc. Model BF 90 Ti series [marketed as Nuclear Associates Model 67-850]) | E. 125 millicuries |
| F. Iodine 125 | F. Liquid Iotrex as part of the GliaSite RTS System | F. 2 curies |
| G. Yttrium 90 | G. Any | G. 110 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. Any manual brachytherapy procedure permitted by 10 CFR 35.400.
- E. Strontium 90 for ophthalmic radiotherapy permitted by 10 CFR 35.400.
- F. For brachytherapy use in the Proxima Therapeutics' GliaSite Radiotherapy system.
- G. For calibrations and checking of the licensee's instruments.

CONDITIONS

- 10. Licensed material may be used or stored only at the licensee's facilities located at One Riverview Plaza, Red Bank, New Jersey.
- 11. The Radiation Safety Officer for this license is Robert E. Wold, 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 and/or authorized medical physicist in accordance with 10 CFR 35.13 and 35.14.

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B. The following individuals are authorized users for medical use as indicated:

<u>Authorized Users</u>	<u>Material and Use</u>
Edmund Kwong, M.D.	35.300; 35.400 Iodine 125 for use in the GliaSite RTS System Yttrium 90 for instrument calibration
Albert Tedeschi, M.D.	35.100; 35.200; 35.300
Jeffrey D. Gould, M.D.	35.100; 35.200
Robert E. Wold, M.D.	35.100; 35.200; 35.300
Erwin Tepper, M.D.	35.300; 35.400 Iodine 125 for use in the GliaSite RTS System Yttrium 90 for instrument calibration
Douglas S. O'Connor, M.D.	35.100; 35.200
Stewart A. Berkowitz, M.D.	35.400
Frederick J. Zito, M.D.	35.100; 35.200; 35.300
Hasmik Diratzouian, M.D.	35.300; 35.400 Iodine 125 for use in the GliaSite RTS System Yttrium 90 for instrument calibration
Nathan Kaufman, M.D.	35.300; 35.400 Iodine 125 for use in the GliaSite RTS System Yttrium 90 for instrument calibration
Adnan F. Danish, M.D.	Oral administration of sodium iodide I-131; Parenteral administration of any beta emitter, or a photon-emitting radionuclide with a photon energy less than 150 keV; 35.400; Yttrium 90 for instrument calibration

C. The following individuals are authorized medical physicists as indicated:

<u>Authorized Medical Physicists</u>	<u>Material and Use</u>
Young H. Lee, M.S.	Strontium 90 ophthalmic sources for physical decay calculations and calibrations
Keunchul Casey Lee, Ph.D.	Strontium 90 ophthalmic sources for physical decay calculations and calibrations

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Authorized Medical Physicists

Zheng Jin, M.S.

Material and Use

Strontium 90 ophthalmic sources for physical decay calculations and calibrations

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."
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. Letter dated March 21, 2000 [ML003697059]
 B. Application dated May 18, 2005 [ML051580449]
 C. Letter and facsimile dated August 26, 2005 [ML052510093]

For the U.S. Nuclear Regulatory Commission

Date September 19, 2007

By *Original signed by Sandra Gabriel*

Sandra Gabriel
 Medical Branch
 Division of Nuclear Materials Safety
 Region I
 King of Prussia, Pennsylvania 19406