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July 3, 2006

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United States
Nuclear Regulatory Commission
King of Prussia, PA 19406-1415

License No. ~~03002559~~

29-12745-01 ^{RLJ}

Docket No. 03002559

Previous Control No. (Renewal 133506)

Dear Mr./Mrs. of the Licensing Department:

The following are changes to be made to the license:

Please change the Radiation Safety Office: Barry Franklin, MD

Submitted is the applicant's certification by the American Board of Radiology and a copy of the NRC License as an authorized user and New Jersey State License.

Please change the Administrator: Thomas Senker

Please inform us of any other documentation necessary.

Sincerely,

Stephen W. Flynn
Director of Imaging Services

The American Board of Radiology

Organized through the cooperation of the
American College of Radiology, the American Roentgen Ray Society,
the American Radium Society, the Radiological Society of North America,
the Section on Radiology of the American Medical Association
and the American Society of Therapeutic Radiologists
Thereby certifies that

Barry Ian Franklin, M.D.

Has pursued an accepted course of graduate study
and clinical work, has met certain standards and qualifications and
has passed the examinations conducted under the authority of
The American Board of Radiology

On this fifth day of June, 1981

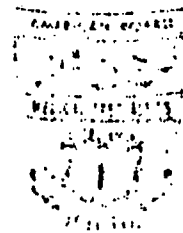
Thereby demonstrating to the satisfaction of the Board
that he is qualified to practice the specialty of

Diagnostic Radiology



Harold B. Jacobson, M.D.
Secretary

James H. L. Zisch, M.D.
President



THIS DOCUMENT IS PRINTED ON WATERMARKED PAPER, WITH A MULTI-COLORED BACKGROUND AND MULTIPLE SECURITY FEATURES. PLEASE VERIFY AUTHENTICITY.

State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs

THIS IS TO CERTIFY THAT THE
Board of Medical Examiners

HAS REGISTERED

Barry J. Franklin

FOR PRACTICE IN NEW JERSEY AS A(N): Medical Doctor.

06/15/2005 TO 06/30/2007
VALID

25MA04353600

LICENSE/REGISTRATION/CERTIFICATION #

Kimberly S. Roberts
ACTING DIRECTOR

Signature of Licensee/Registrant/Certificate Holder

Barry J. Franklin

YOUR LICENSE/REGISTRATION/CERTIFICATION NUMBER IS 25MA04353600

EXPIRATION DATE 2007

PLEASE USE IT IN ALL CORRESPONDENCE TO THE DIVISION OF CONSUMER AFFAIRS. USE THIS SECTION TO REPORT ADDRESS CHANGES. YOU ARE REQUIRED TO REPORT ANY ADDRESS CHANGES IMMEDIATELY TO THE ADDRESS NOTED BELOW.

Board of Medical Examiners
P.O. Box 180
Trenton, NJ 08625

PRINT YOUR NEW ADDRESS OF RECORD BELOW.
YOUR ADDRESS OF RECORD IS THE ADDRESS THAT WILL BE PRINTED ON YOUR LICENSE/REGISTRATION/CERTIFICATE AND IT MAY BE MADE AVAILABLE TO THE PUBLIC.

PRINT YOUR NEW MAILING ADDRESS BELOW.
YOUR MAILING ADDRESS IS THE ADDRESS THAT WILL BE USED BY THE DIVISION OF CONSUMER AFFAIRS TO SEND YOU ALL CORRESPONDENCE.

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HOME ☐
BUSINESS ☐

PHONE
DE AREA CODE

TELEPHONE
INCLUDE AREA CODE

governing your profession requires the current license/registration/certificate to be displayed, it should be in reasonable proximity of your original license/registration/certificate in your office or place of business.

PERSONAL INFORMATION WAS REMOVED
BY NRC. NO COPY OF THIS INFORMATION
WAS RETAINED BY THE NRC.



25MA04353600

State of New Jersey

Department of Environmental Protection
Bureau of Environmental Radiation
Radioactive Materials Section
PO Box 415, Trenton, NJ 08625-0415
Phone (609) 984-5462

License No.: NJSL-70060/01/023
Amendment No.: 023
Page 1 of 5

New Jersey Radioactive Materials License

Pursuant to the New Jersey Radiation Code, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive, use, or possess naturally occurring and/or accelerator produced material(s) (NARM) designated below; and to such radioactive materials for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations, and orders of the State Department of Environmental Protection, now or hereafter in effect, and to any conditions specified below.

1. License No.: NJSL-70060/01/023	2. Expiration Date: 01/31/2007
3. Licensee: NEWTON MEMORIAL HOSPITAL	4. Address: 175 High Street Newton NJ 07860-0000
Radiation Safety Officer: Frederick Corio, M.D.	County: Sussex Telephone: (973) 579-8598
Administrator: Dennis Collette, CEO	5. Reference No.: 2200

RADIOACTIVE MATERIALS DATA (A)

6. Material	7. Limit (mCi)	8. Form
A. Any NARM included under Group I, Section 4.7 of NJAC 7:28-4.	50.0000	Any radiopharmaceutical included under Group I, Section 4.7 of NJAC 7:28-4.
B. Any NARM included under Group II, Section 4.7 of NJAC 7:28-4.	300.0000	Any radiopharmaceutical included under Group II, Section 4.7 of NJAC 7:28-4.
C. Any NARM included under Group III, Section 4.7 of NJAC 7:28-4.	50.0000	Any radiopharmaceutical included under Group III, Section 4.7 of NJAC 7:28-4.
D. CO-57	50.0000	sealed source
E. PD-103	2000.0000	Sealed Source

RADIOACTIVE MATERIALS DATA (B)

9. Authorized Use
A. Any diagnostic procedure under Group I of NJAC 7:28-4, Section 4.7
B. Any diagnostic procedure under Group II of NJAC 7:28-4, Section 4.7
C. Preparation and use of radiopharmaceuticals for any diagnostic procedure under Group III of NJAC 7:28-4, Section 4.7
D. reference and/or calibration source
E. Therapeutic procedures under Group VI of NJAC 7:28-4, Section 4.7

Conditions begin on the following page.

New Jersey Radioactive Materials License

10. Radioactive material shall only be used at 175 High Street, Newton, N.J.
11. Radioactive materials shall be used as follows:
 - A. Radioactive material listed in items 6A - 6D shall be used by or under the supervision of the following: Stuart Ring, M.D., Barry Franklin, M.D., Orlando Cordero, M.D., Robert Ranley, M.D., Richard Levine, M.D., and Frederick Corio, M.D.
 - B. Radioactive material listed in item 6E shall be used by Robert John Cole, M.D. and Michael J. Gallagher, M.D.
12. Compliance with other U.S. agencies having jurisdiction and regulations for radiopharmaceuticals must be maintained.
13. The licensee shall retain records of misadministrations in the use of the licensed radioactive materials. Misadministrations being defined as a radiopharmaceutical or radiation from a sealed source which is improperly used as follows:
 - A. Administration of the wrong radiopharmaceutical or sealed source.
 - B. Administration to the wrong patient.
 - C. Administration by a route other than that intended by the prescribing physician.
 - D. Administered diagnostic dose differing by more than 50 percent.
 - E. Administered therapeutic dose differing by more than 10 percent.

Records of misadministrations are to include the following information: name of the referring physician, description of the event, the effect on the patient and the action taken to prevent recurrence.
14. The licensee shall not open sealed sources containing radioactive material.
15. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six months.
 - A. The test shall be capable of detecting the presence of 0.005 microcuries of removable radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surface of the device in which the sealed source is permanently mounted or stored.
 - B. If the test reveals the presence of 0.005 microcuries of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with the Department regulations. Within five days after obtaining results of the test, a report shall be filed with the Department describing the circumstances, the test results and the corrective action taken.
 - C. The sealed sources shall be tested for leakage and/or contamination by appropriately trained personnel.
16. Repair, initial leak tests and disposal of sealed sources containing radioactive material shall be performed only by the manufacturer or by other persons specifically licensed by New Jersey or the Federal Government to perform this service.
17. Radioactive material with a physical half life of less than 300 days may be disposed of as non-radioactive waste provided that (a) the radioactive waste is stored behind adequate shielding to meet the requirements of New Jersey Radiation Code 28-6, (b) the radioactive waste is held for ten half-lives of the longest lived radioisotope to be disposed of, (c) the radioactive waste is monitored with a GM meter prior to disposal to insure background levels, (d) all radiation labels will be either removed or obliterated and (e) a log shall be maintained to include the results of the radiation survey and date of disposal.

New Jersey Radioactive Materials License

18. The following surveys shall be performed and documented during Palladium-103 implant procedures.
 - A. Survey of the patient and administration area immediately after implanting sources in a patient to confirm that no sources have been misplaced.
19. The licensee shall make a record of Palladium-103 use which must include:
 - A. the number of activity of sources removed from storage, the patients name and room number, the time and date they were removed from storage, the number and activity of sources in storage after removal from storage.
 - B. the number and activity of sources returned to storage, the patients name and room number, the time and date they were removed from storage, the number and activity of sources in storage after return.
 - C. the number and activity of sources administered, the patient's name and room number, the time and date the sources were implanted and the initials of the individual administering the sources.
 - D. survey decayed radioactive waste prior to disposal to ensure background levels.
 - E. radioactive material symbols shall be removed and/or obliterated from all containers no longer containing material prior to disposal.
20. A survey of the administration area used for stress thallium studies shall be performed and documented on the day the test is done.
21. In laboratory areas where small quantities of radioactive materials are used (i.e. less than 200 microcuries):
 - A. Monthly surveys of areas are to be performed and the results documented.
 - B. Monthly wipe test of areas are to be performed and the results documented.
 - C. Protective gloves are to be worn by individuals handling radioactive material.
 - D. Survey decayed radioactive waste prior to disposal to ensure background levels.
 - E. Radioactive material symbols shall be removed and/or obliterated from all containers no longer containing material prior to disposal.
22. The licensee shall make the following items available to their staff:
 - A. Copy of the New Jersey Radiation Protection Code.
 - B. Copy of the New Jersey State Radioactive Material License.
23. The licensee shall post the following items in an area frequented by employees engaged in the use of licensed materials:
 - A. Notice to employees - RPP-14.
 - B. Emergency procedures involving major, minor spills including the names and phone numbers of people to contact.
 - C. Appropriate signs and labels in areas and/or containers and equipment in which radiation and/or radioactive material are contained. These postings are to conform to Subchapter 10 of the Code.

New Jersey Radioactive Materials License

24. The following tests shall be performed as a minimum:

A. Surveys of:

1. All radioactive materials received.
2. All radioactive waste decayed to background levels prior to release.
3. Uncontrolled areas, where sealed and unsealed sources are routinely used to be surveyed on days they are used.
4. Controlled area, where sealed and unsealed sources are used on days they are used.
5. Personnel at the end of the day.

B. Wipe tests of:

1. Controlled and uncontrolled area where unsealed sources of radioactive material are routinely used, weekly.

25. The following records shall be maintained:

- A. Radioactive materials received including but not necessarily limited to date of receipt, radionuclide, activity, mass or volume of material, results of package survey, instrument used for surveys and surveyor's initials.
- B. Radioactive materials administered to patients including but not necessarily limited to date of administration, radionuclide, calibrated activity administered, quantity, patient name, administrator's signature.
- C. Radioactive material disposals including but not necessarily limited to:
 1. Disposals to Vendor: nuclide, activity, vendor name, quantity, date of disposal.
 2. Disposal by Decay: Results of survey of the waste, date of survey, date of waste disposal, instrument used, and surveyor's initials.
 3. Disposal to Sanitary Sewer: nuclide, activity, volume of dilution waste per day, date of disposal.
- D. Survey instrument calibration performed annually and after instrument repair.
- E. Sealed source leak tests at intervals not to exceed six months. Results are to be reported in microcuries.
- F. Surveys performed in controlled and uncontrolled areas including but not necessarily limited to test results in mR/hr, date performed, instrument used and surveyor's initials.
- G. Wipe tests performed in controlled and uncontrolled areas including but not necessarily limited to test results in dpm, date performed instrument used and surveyor's initials.
- H. Personnel dosimetry records including but not necessarily limited to name, social security number, and prior employment exposure history.
- I. Daily personnel monitoring results including but not necessarily limited to instrument used, date performed and initials.

26. Protective equipment and clothing including but not necessarily limited to syringe shields, remote handling equipment, adequate shielding, laboratory coats and disposable gloves shall be used by personnel while utilizing radioactive material.

New Jersey Radioactive Materials License

27. Eating, drinking, smoking and applying cosmetics shall not be permitted in controlled areas.
28. Except as specifically provided by this license, the licensee shall possess and use radioactive material described in this license in accordance with statements, representations contained in the New Jersey Radioactive Materials License Application dated January 4, 2002 signed by Dennis Collette and letters dated February 15, 2002 and March 5, 2002.

New Jersey Department of Environmental Protection Signature

Date: March 6, 2002

By: John Henry
for the NJ Department of Environmental Protection

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MATERIALS LICENSE

Duplicate

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. Newton Memorial Hospital</p> <p>2. 175 High Street Newton, New Jersey 07860</p>	<p>In accordance with the application dated August 6, 2003,</p> <p>3. License number 29-12745-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date October 31, 2013</p> <p>5. Docket No. 030-02559 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 31.11</p> <p>D. Americium 241</p> <p>E. Iodine 125</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Prepackaged Kits</p> <p>D. Sealed sources (Searle AMC.24)</p> <p>E. Sealed sources (Medi-Physics 6711)</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. 3 millicuries</p> <p>D. 14 millicuries per source and 28 millicuries total</p> <p>E. 2000 millicuries</p>
<p>9. Authorized use:</p> <p>A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.</p> <p>B. Any imaging and localization study permitted by 10 CFR 35.200.</p> <p>C. In vitro studies.</p> <p>D. Use as an anatomical marker.</p> <p>E. Any manual brachytherapy procedure permitted by 10 CFR 35.400.</p>		

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CONDITIONS
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10. Licensed material may be used only at the licensee's facilities located at 175 High Street, Newton, New Jersey.

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

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License Number

29-12745-01

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Docket or Reference Number

030-02559

Amendment No. 17

11. The Radiation Safety Officer for this license is Frederick Corio, M.D.
12. Licensed material listed in Item 6 above is only authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated:

Authorized Users:Material and Use:

Orlando Cordero, M.D.	35.100; 35.200; Americium 241 <u>In vitro</u> studies
Stuart Ring, M.D.	35.100; 35.200; Americium 241
Richard Levine, M.D.	35.100; 35.200; Americium 241
Barry Franklin, M.D.	35.100; 35.200; Americium 241
Frederick Corio, M.D.	35.100; 35.200; Americium 241 <u>In vitro</u> studies
Robert L. Ranley, M.D.	35.100; 35.200; Americium 241 <u>In vitro</u> studies
Michael J. Gallagher, M.D.	35.300; 35.400
Robert J. Cole, M.D.	35.300; 35.400
Matthew T. Skalla, M.D.	35.100; 35.200; Americium 241 <u>In Vitro</u> studies
Hector Cordero, M.D.	35.100; 35.200; Americium 241 <u>In Vitro</u> studies
Joseph Lock, M.D.	35.100; 35.200; Americium 241 <u>In Vitro</u> studies

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), 40.36(b), and 70.25(d) for establishing financial assurance for decommissioning.

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

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

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License Number

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Docket or Reference Number

030-02559

Amendment No. 17

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 August 6, 2003
- B. Letter dated October 7, 2003



For the U.S. Nuclear Regulatory Commission

Date October 14, 2003

By

Original signed by Richard McKinley

Richard McKinley
Nuclear Materials Safety Branch 1
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406

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This is to acknowledge the receipt of your letter/application dated

7/3/2006, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Amendment 29-12745-01 There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 139207.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.