



**CARLTON CARDIOLOGY ASSOCIATES, INC.**

Donal A. Warde, M.D. F.A.C.C., F.C.C.P.  
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Kenneth Bodek, M.D., F.A.C.C.  
Judith E. Orie, M.D. F.A.C.C., F.A.C.P.  
Suad A. Ismail, M.D., F.A.C.C.

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Pittsburgh, PA 15212  
(412) 322-2622  
Fax: (412) 322-3093

*Diplomates of:*  
*American Board of Internal Medicine*  
*American Board of Cardiovascular Disease*

9102 Babcock Boulevard – Suite 107  
Pittsburgh, PA 15237  
(412) 364-1683  
Fax: (412) 364-5598

June 29, 2006

Br. 2

Materials Licensing Branch  
U.S. NRC, Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415

03036465

RE: NRC license#37-30862-01

**To Whom It May Concern:**

The purpose of this amendment request is to add Suad Ismail, M.D. as an Authorized User to our radioactive materials license. We have included a copy of NRC license #37-28153-01 as evidence of training and experience.

Should you require any other information, please feel free to contact me.

Sincerely,

  
Judith E. Orie, M.D., F.A.C.C.

Enclosures

RECEIVED  
REGION I  
2006 JUL -5 AM 7:50

139086  
NMSS/RGNI MATERIALS-C02

NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

PAGE 1 OF 2 PAGES  
Amendment No. 5**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. T.N. Subbiah, M.D.</p> <p>2. 122 South Washington Street Butler, Pennsylvania 16001</p>	<p>In accordance with the letter dated August 19, 2003,</p> <p>3. License number 37-28153-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date October 31, 2013</p> <p>5. Docket No. 0303417 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>7. Chemical and/or physical form</p> <p>A. Any</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>9. Authorized use:</p> <p>A. Any cardiac uptake, dilution and excretion study permitted by 10 CFR 35.100.</p> <p>B. Any cardiac imaging and localization study permitted by 10 CFR 35.200.</p>	

**CONDITIONS**

10. Licensed material may be used or stored only at the licensee's facilities at 122 South Washington Street, Butler, Pennsylvania.
11. The Radiation Safety Officer for this license is T. N. Subbiah, 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 in accordance with 10 CFR 35.13 and 35.14.
  - B. The following individuals are authorized users for medical use as indicated:

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U.S. NUCLEAR REGULATORY COMMISSION

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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
**37-28153-01**Docket or Reference Number  
**030-30417**

Amendment No. 5

Authorized Users

T. N. Subbiah, M.D.

Suad Ismail, M.D.

Material and Use

35.100; 35.200

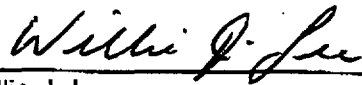
35.100; 35.200

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 isotope production 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 (with attachments) dated October 15, 2003

For the U.S. Nuclear Regulatory Commission

Date October 22, 2003

By

  
Willie J. Lee  
Nuclear Materials Safety Branch 1  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406

50945740



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF RADIATION PROTECTION

Page 1 of 2 Pages  
License No. PA-0537  
Amendment No. 4

**RADIOACTIVE MATERIALS LICENSE**

Pursuant to the Radiation Protection Act, the Act of July 10, 1984 (No. 147, P.L. 688) and Title 25. Rules and Regulations, Article V. Radiological Health of the Pennsylvania Department of Environmental Protection, and in reliance on statements and representations heretofore made by the Licensee, a license is hereby issued authorizing the Licensee to receive, acquire, possess, transfer, and use radioactive material listed below for the purposes and at the places designated below. This license shall be deemed subject to all applicable rules, regulations, or orders of the Pennsylvania Department of Environmental Protection now or hereafter in effect and to any conditions specified below.

- |   |   |
|---|---|
| 1. Licensee<br><br>Subbiah Cardiology Associates, LTD | : In response to a renewal application<br>: dated January 28, 2003<br>:<br>: 3. License No. PA-0537 is amended as<br>: follows:<br>:<br>: 4. Expiration Date: February 29, 2008 |
| 2. 122 South Washington Street<br>Butler, PA 16001    |   |

- |  |                                     |  |
|--|-------------------------------------|--|
| 5. Radioactive material<br>(Element & mass number) | 6. Chemical and/or<br>physical form | 7. Maximum amount that licensee<br>may possess at any one time<br>under this license |
|--|-------------------------------------|--|

- |   |   |              |
|---|---|--------------|
| A. Any accelerator-produced<br>material applicable for use<br>identified in 10 CFR 35.100 | A. Any radiopharmaceutical<br>applicable for use<br>identified in 10 CFR 35.100 | A. As needed |
| B. Any accelerator-produced<br>material applicable for use<br>identified in 10 CFR 35.200 | B. Any radiopharmaceutical<br>applicable for use<br>identified in 10 CFR 35.200 | B. As needed |

- |   |  |
|---|--|
| 8. Authorized Use   |  |
| A. Any approved cardiac uptake, dilution and excretion procedure applicable to<br>10 CFR 35.100   |  |
| B. Any approved cardiovascular imaging and localization procedure applicable to<br>10 CFR 35.100. |  |

**CONDITIONS**

9. Licensed material may be used only at the licensee's facilities located at  
122 South Washington Street, Butler, PA 16001.
10. Radiation Safety Officer: Thevaraya N. Subbiah, M.D.
11. Licensed material listed in Item 5 above is authorized for use by, or under the  
supervision of, the following individuals for the materials and uses indicated:

Authorized Users

Suad Ismail, M.D.  
T.N. Subbiah, M.D.

Material and Use (10 CFR)

35.100; 35.200 for cardiovascular studies only  
35.100; 35.200 for cardiovascular studies only



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF RADIATION PROTECTION

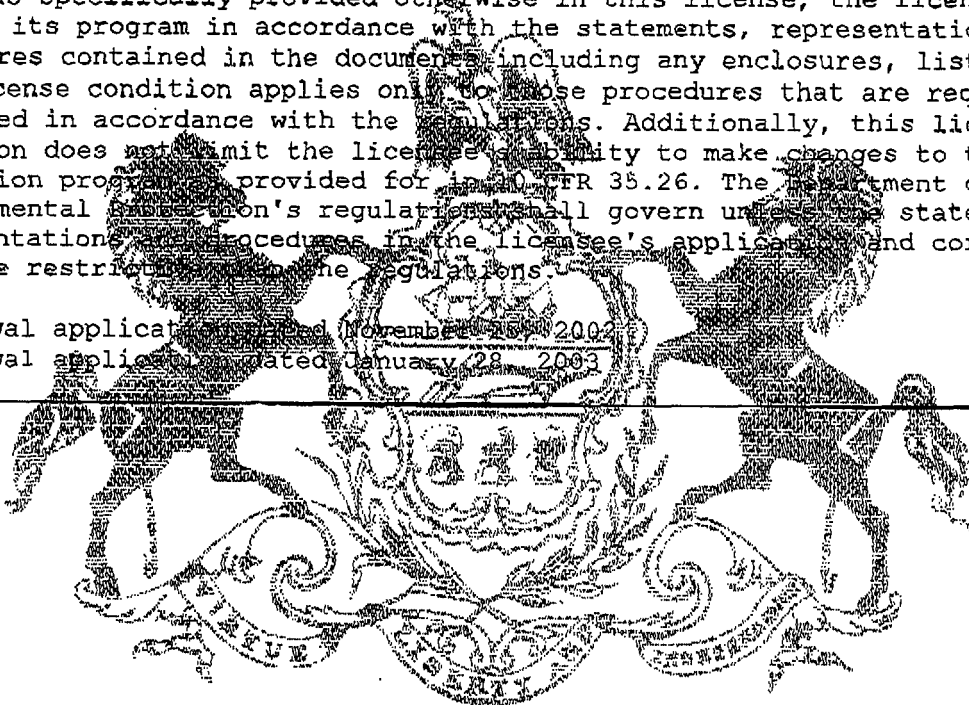
Page 2 of 2 Pages  
License No. PA-0537  
Amendment No. 4

**RADIOACTIVE MATERIALS LICENSE**

12. The licensee shall conduct a physical inventory every 3 months to account for all sealed sources and devices containing licensed material received and possessed pursuant to 10 CFR 35.59, 35.400 and 35.500 incorporated by reference and 6 months for all other sealed sources and devices.
13. The licensee may transport licensed material, or deliver licensed material to a carrier for transport, in accordance with 25 Pa. Code Chapter 230, "Packaging and Transportation of Radioactive Material" and the provisions of 10 CFR Part 71 incorporated by reference.
14. In addition to the possession limits in Item 7, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified and incorporated by reference in 10 CFR 30.35(d), 40.36(b) and 70.25(d) for establishing financial assurance for decommissioning relative to isotopes with half life greater than 120 days.
15. Notwithstanding the requirements set forth in this license, the license shall comply with the regulations set forth in Title 25 of the Pennsylvania Code Article V "Radiological Health" and the U.S. Nuclear Regulatory Commission, Title 10 Code Of Federal Regulations Parts 19-150 incorporated by reference.
16. 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 provided for in 10 CFR 35.26. The Department of Environmental Protection's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A. Renewal application dated November 15, 2002

B. Renewal application dated January 28, 2003



For the Pennsylvania Department  
of Environmental Protection

Ronald J. Hamm  
Bureau of Radiation Protection  
P. O. Box 8469  
Harrisburg, PA 17105-8469

Date: February 10, 2003

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

6/29/2006, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Amendment 37-30862-01 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

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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 139086.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.