

RICHARD A. BUGLIARI, MD, FACC  
WILLIAM J. FARRELL, MD, FACC  
ROBERT J. GOLUB, MD, FACC  
MICHAEL V. McMAHON, P.A.-C  
AMY JOCKLE, APRN

*N17582*

December 30, 2005

USNRC Region I  
475 Allendale Rd  
King of Prussia PA 19406

To NRC Inspector:

*03036420*

RECEIVED  
DEC 30 11:00  
L. J. GOLUB

Please amend our byproduct materials license number 06-30842-01 as follows:

We need to add Richard A. Bugliari, M.D. to the Meriden Wallingford Cardiovascular Associates NRC license # 06-30842-01 as an authorized user permitted by 10 CFR 35.100 and 10 CFR 35.200. Enclosed you will find form 313a. In addition is a copy of our current NRC license and a copy of the letter from the Certification Board of Nuclear Cardiology stating that Dr. Bugliari has successfully passed the Nuclear Cardiology boards on October 23, 2005.

Thank you for your consideration.

Sincerely yours,

Robert J. Golub, M.D.  
Radiation Safety Officer

*138189*

INMATERIALS-002

**MEDICAL USE TRAINING AND EXPERIENCE  
AND PRECEPTOR ATTESTATION**

**PART I -- TRAINING AND EXPERIENCE**

**Note:** Descriptions of training and experience must contain sufficient detail to match the training and experience criteria in the applicable regulation (10 CFR Part 35)

1. Name of Individual, Proposed Authorization (e.g., Radiation Safety Officer), and Applicable Training Requirements (e.g., 10 CFR 35.50)

RICHARD A. BUGLIARI, M.D.

2. For Physicians, Podiatrists, Dentists, Pharmacists -- State or Territory Where Licensed

CONNECTICUT

**3. CERTIFICATION**

- a. Provide a copy of the board certification. *(Stop here if applying under 10 CFR Part 35, Subpart J or 35.590(a); continue if applying under other subparts.)*
- b. Provide documentation in appropriate items 4 through 10 of training or clinical case work required by 35.50(e); 35.51(c); 35.290(c)(1)(ii)(G) for AU seeking 35.200 authorization; 35.390(b)(1)(ii)(G); 35.396(d)(1) and 35.396(d)(2); 35.590(c); or 35.690(c).
- c. Provide completed Part II Preceptor Attestation, Items 11a through 11d.  
Stop here after completing items 3a, 3b, and 3c when using board certification to meet 10 CFR Part 35 training and experience requirements.

**4. INDIVIDUALS IDENTIFIED ON A LICENSE OR PERMIT AS RADIATION SAFETY OFFICERS (RSO), AUTHORIZED USERS (AU), AUTHORIZED MEDICAL PHYSICISTS (AMP), OR AUTHORIZED NUCLEAR PHARMACISTS (ANP) SEEKING ADDITIONAL AUTHORIZATIONS**

- a. Provide a copy of the license or broadscope permit listing the current authorization **and** (b) or (c)
- b. Complete items 6c (and 10 when training is provided by an RSO, AMP, ANP, or AU) and preceptor items 11b through 11d to meet requirements for: RSO in 35.50(c)(2) or 35.50(e); or AU in 35.290(c)(1)(ii)(G) or 35.390(b)(1)(ii)(G) or 35.590(c) or 35.690(c); or AMP under 35.51(c).
- c. Complete items 5, 6a, 6b, 10, and Preceptor items 11a through 11d to meet AU requirements in 35.396(a).

**5. DIDACTIC OR CLASSROOM AND LABORATORY TRAINING (optional for Medical Physicists)**

| Description of Training  | Location      | Clock Hours | Dates of Training |
|--|---------------|-------------|-------------------|
| Radiation Physics and Instrumentation                              | FREDERICK, MD | 100 HOURS   | 12/2004           |
| Radiation Protection   | FREDERICK, MD | 30 HOURS    | 04/2005           |
| Mathematics Pertaining to the Use and Measurement of Radioactivity | FREDERICK, MD | 20 HOURS    | 01/2005           |
| Radiation Biology  | FREDERICK, MD | 20 HOURS    | 03/2005           |
| Chemistry of Byproduct Material for Medical Use                    | FREDERICK, MD | 30 HOURS    | 02/2005           |
| OTHER  |               |             |                   |

**MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**6a. WORK OR PRACTICAL EXPERIENCE WITH RADIATION**

| Description of Experience   | Name of Supervising Individual(s)                 | Location and Corresponding Materials License Number          | Dates and/or Clock Hours of Experience |
|---|---|--|--|
| Ordering, receiving and unpacking radioactive materials safely. Performing related radiation surveys.                                     | Robert J. Golub, M.D.<br>Laurie D. Grimaldi, CNMT | Meriden Wallingford<br>Cardiovascular Assoc.<br>#06-30842-01 | 40 Hours<br>Total                      |
| Performing quality control procedures on instruments used to determine activity of dosages. Checks for proper operation on survey meters. | Robert J. Golub, M.D.<br>Laurie D. Grimaldi, CNMT | Meriden Wallingford<br>Cardiovascular Assoc.<br>#06-30842-01 | "                                      |
| Calculating, measuring and safely preparing patient dosages.  | Robert J. Golub, M.D.<br>Laurie D. Grimaldi, CNMT | Meriden Wallingford<br>Cardiovascular Assoc.<br>#06-30842-01 | "                                      |
| Using administrative controls to prevent a medical event involving the use of unsealed byproduct material.                                | Robert J. Golub, M.D.<br>Laurie D. Grimaldi, CNMT | Meriden Wallingford<br>Cardiovascular Assoc.<br>#06-30842-01 | "                                      |
| Review procedures to safely contain spilled radioactive material and review proper decontamination procedure.                             | Robert J. Golub, M.D.<br>Laurie D. Grimaldi, CNMT | Meriden Wallingford<br>Cardiovascular Assoc.<br>#06-30842-01 | "                                      |
| Administering dosages of radioactive drugs to patients.   | Robert J. Golub, M.D.<br>Laurie D. Grimaldi, CNMT | Meriden Wallingford<br>Cardiovascular Assoc.<br>#06-30842-01 | "                                      |
|   |   |  |  |
|   |   |  |  |

**6b. SUPERVISED CLINICAL CASE EXPERIENCE (describe experience elements in 6a)**

| Radionuclide | Type of Use             | No. of Cases Involving Personal Participation | Name of Supervising Individual | Location and Corresponding Materials License Number | Dates and/or Clock Hours of Experience |
|--------------|-------------------------|---|--------------------------------|---|--|
| Tc-99m       | Stress Sestamibi        | 400   | Robert J. Golub, M.D.          | Meriden Wallingford                                 | 500 Total Hours                        |
| Tc-99m       | Rest Sestamibi          | 1000  | Robert J. Golub, M.D.          | Cardiovascular Assoc.                               | "                                      |
| Tc-99m       | Pharmacologic Sestamibi | 600   | Robert J. Golub, M.D.          | #06-30842-01  | "                                      |
| Tc-99m       | Labeled RBC'S in        | 25  | Robert J. Golub, M.D.          | "   | 10 Hours                               |
|              | RVG studies             |   |                                |   |  |
|              |                         |   |                                |   |  |
|              |                         |   |                                |   |  |

**MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**6c. TRAINING FOR SECTIONS 35.50(e), 35.51(c), 35.590(c), or 35.690(c)**

| Training Element | Type of Training * | Location and Dates |
|------------------|--------------------|--------------------|
| N/A              |                    |                    |
|                  |                    |                    |
|                  |                    |                    |
|                  |                    |                    |
|                  |                    |                    |

\* Types of training may include supervised (complete item 10 for 35.50(e), 35.51(c), and 35.690(c)), didactic, or vendor training.

**7. FORMAL TRAINING Physicians (for uses under 35.400 and 35.600) and Medical Physicists**

| Degree, Area of Study or Residency Program | Name of Program and Location with Corresponding Materials License Number | Dates | Name of Organization that Approved the Program (e.g., Accreditation Council for Graduate Medical Education) and the Applicable Regulation (e.g., 10 CFR 35.490) |
|--|--|-------|---|
| N/A  |  |       |   |

**8. RADIATION SAFETY OFFICER (RSO) – ONE-YEAR FULL-TIME EXPERIENCE**

- YES Completed 1 year of full-time radiation safety experience (in areas identified in item 6a) under supervision.
- N/A of \_\_\_\_\_ the RSO for License No. \_\_\_\_\_

**9. MEDICAL PHYSICIST – ONE-YEAR FULL-TIME TRAINING/WORK EXPERIENCE**

- YES Completed 1 year of full-time training (for areas identified in item 6a) in therapeutic radiological physics (35.961) or medical physics (35.51) under the supervision of \_\_\_\_\_
- N/A who is a medical physicist (35.961) or meets requirements for Authorized Medical Physicists (35.51);

**and**

- YES Completed 1 year of full-time work experience (at location providing radiation therapy services described and for topics identified in item 6a) for (specify use or device) \_\_\_\_\_
- N/A under the supervision of \_\_\_\_\_ who is a medical physicist (35.961) or meets requirements for Authorized Medical Physicists (35.51) (specify use or device) \_\_\_\_\_

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

10. SUPERVISING INDIVIDUAL -- IDENTIFICATION AND QUALIFICATIONS

The training and experience indicated above was obtained under the supervision of (if more than one supervising individual is needed to meet requirements in 10 CFR Part 35, provide the following information for each) :

A. Name of Supervisor

Robert J. Golub, M.D.

B. Supervisor is:

Authorized User

Authorized Medical Physicist

Radiation Safety Officer

Authorized Nuclear Pharmacist

C. Supervisor meets requirements of Part 35, Section(s) 900, 920, 950

for medical uses in Part 35, Section(s) 35.100, 35.200, Gadolinium-153

D. Address

1062 Barnes Road  
Suite 300  
Wallingford, CT 06492

E. Materials License Number

06-30842-01

PART II -- PRECEPTOR ATTESTATION

Note: This part must be completed by the individual's preceptor. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each. This part is not required to meet training requirements in 35.590 or Part 35, Subpart J (except 35.980).

I attest the individual named in Item 1:

11a.

has satisfactorily completed the requirements in Part 35, Section(s) and Paragraph(s) 35.290 (c), as documented in section(s) 5 and 6 of this form.

11b. Select one

meets the requirements in  35.50(e)  35.51(c)  35.390(b)(1)(ii)(G)  35.690(c) for types of use, as documented in section(s) of this form.

N/A

11c.

has achieved a level of competency sufficient to independently operate a nuclear pharmacy (for 35.980); **OR**

has achieved a level of competency sufficient to function independently as an authorized User for Tc-99m uses (or units); **OR**

has achieved a level of radiation safety knowledge sufficient to function independently as a Radiation Safety Officer for a medical use licensee; **OR**

N/A

11d.

I am an Authorized Nuclear Pharmacist; **OR**  I am a Radiation Safety Officer; **OR**

I meet the requirements of section(s) of 10 CFR Part 35

or equivalent Agreement State requirements to be a preceptor  AU or  AMP

for the following byproduct material uses (or units):

A. Address

1062 Barnes Road  
Suite 300  
Wallingford, CT 06492

B. Materials License Number

06-30842-01

C. NAME OF PRECEPTOR (print clearly)

Robert J. Golub, M.D.

D. SIGNATURE -- PRECEPTOR



E. DATE

12/30/2005

**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. Meriden-Wallingford Cardiovascular Associates, LLC</p> <p>2. 1062 Barnes Road, Suite 300<br/>Wallingford, CT 06492</p> | <p>In accordance with the letter dated April 1, 2005,</p> <p>3. License No. 06-30842-01</p> <p>is amended in its entirety to read as follows:</p> <p>4. Expiration Date: October 31, 2013</p> <p>5. Docket No. 090-36420</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. Gadolinium 153</p> | <p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Sealed source (Isotope Product Laboratories Model NES6497)</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. 288 millicuries per source and 1,000 millicuries total</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. For use in a Philips Medical Systems CardioMD device for patient attenuation correction during imaging.

**CONDITIONS**

- 10. Licensed material may be used or stored only at the licensee's facilities located at 1062 Barnes Road, Suite 300, Wallingford, Connecticut.
- 11. The Radiation Safety Officer for this license is Robert J. Golub, 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.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License No. 06-30842-03

Docket No. 030-36420

Amendment No. 03

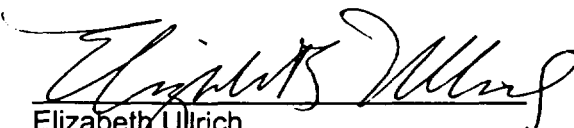
B. The following individuals are authorized users for medical use as indicated:

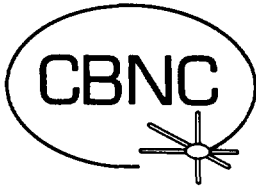
| <u>Authorized User</u> | <u>Material and Use</u>        |
|------------------------|--------------------------------|
| Robert J. Golub, M.D.  | 35.100; 35.200, Gadolinium-153 |

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 (with attachments) dated October 7, 2003 (ML032870542)
  - B. Application (with attachments) dated October 17, 2003 (ML033000588)
  - C. Letter dated April 1, 2005 (ML051170453)

For the U. S. Nuclear Regulatory Commission

Date June 7, 2005

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



# Certification Board of Nuclear Cardiology

19562 Club House Road • Montgomery Village, MD 20886  
Ph: +240.631.8151 • F: +240.631.8152 • Email: [administration@cbnc.org](mailto:administration@cbnc.org) • Website: [www.cbnc.org](http://www.cbnc.org)

**For Immediate Release  
December 2005**

## BOARD OF DIRECTORS

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Kenneth A. Brown, MD

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Dawn M. Edgerton  
*Executive Director*

## RICHARD A. BUGLIARI, MD ACHIEVES BOARD CERTIFICATION IN NUCLEAR CARDIOLOGY

Montgomery Village, Maryland, USA - The Certification Board of Nuclear Cardiology (CBNC), a not-for-profit corporation established to develop and administer practice-related examinations in the field of Nuclear Cardiology, is pleased to announce that **Richard A. Bugliari, MD, of Meriden, CT** passed the certification examination on October 23, 2005. Dr. Bugliari is now entitled to designate him/herself as "Diplomate of the Certification Board of Nuclear Cardiology".

*<< Diplomate to add his/her biographical information here >>*

The purposes of the CBNC Certification Program are to establish the domain of the practice of Nuclear Cardiology for certification; to assess the level of knowledge demonstrated by Nuclear Cardiology specialists in a valid manner; to encourage professional growth in, and enhance the quality of, the practice of Nuclear Cardiology; to recognize formally individuals who meet the requirements set by CBNC; and to serve the public by encouraging quality patient care in the practice of Nuclear Cardiology.

CBNC has been recognized by the Nuclear Regulatory Commission (NRC) as meeting the requirements for the specialty board certification pathway under 10 CFR Part 35, Section 35.290.

## About CBNC

The Certification Board of Nuclear Cardiology, a not-for-profit corporation established in 1996, is a fully autonomous entity, independent of any other association, society, or academy. This independence allows the CBNC to maintain integrity concerning policy matters related to certification. Since 2003, CBNC has collaborated with the Certification Council of Nuclear Cardiology (ECNC) to offer the examination in a European venue. ECNC has representation on the CBNC's Examination Committee.

To date, 4,315 physicians have been certified in nuclear cardiology.

## For further information contact:

Dawn M. Edgerton  
Executive Director  
Certification Board of Nuclear Cardiology  
19562 Club House Road  
Montgomery Village, MD 20886 USA  
Tel: +240.631.8151 • Fax: +240.631.8152  
[www.cbnc.org](http://www.cbnc.org); [edgerton@cbnc.org](mailto:edgerton@cbnc.org)

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# Health & Radiological Seminars, Inc.

Hereby certifies that

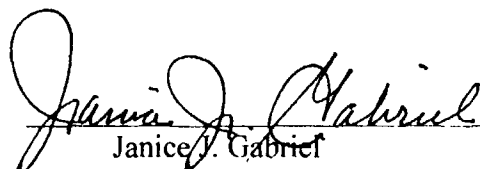
***RICHARD A. BUGLIARI, MD***


has successfully completed the 200 Hour Physician Training  
Program in Basic Radioisotope Handling conducted  
in accordance with the requirements of the  
U.S. Nuclear Regulatory Commission (10 CFR 35).

## COURSE OUTLINE

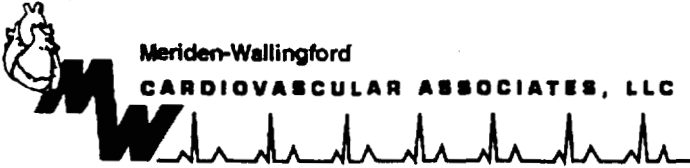
Radiation Physics and Instrumentation - 100 hours  
Mathematics pertaining to the use and measurement of radioactivity - 20 hours  
Radiopharmaceutical Chemistry - 30 hours  
Radiation Biology - 20 hours  
Radiation Protection - 30 hours

March 6, 2005

  
Janice J. Gabriel  
Program Director

  
David J. Goodenough, Ph.D.  
Scientific Advisor





RICHARD A. BUGLIARI, MD, FACC  
WILLIAM J. FARRELL, MD, FACC  
ROBERT J. GOLUB, MD, FACC  
MICHAEL V. McMAHON, P.A.-C  
AMY JOCKLE, APRN

Date: July 8, 2005

To: Certification Board of Nuclear Cardiology

Re: Richard A. Bugliari, MD  
DOB: [REDACTED]

I have had the privilege of serving as preceptor for the above physician for the last 18 months.  
Dr. Bugliari has independently interpreted more than 600 studies.

Dr. Bugliari's training and/or experience in nuclear cardiology meets the requirements as outlined in the ACC/ASNC COCATS Guidelines (revised 2000).

Dr. Bugliari is competent to independently function as an authorized user under NRC 10 CFR 35.290 uses.

Sincerely,

Robert J. Golub, MD  
NRC Authorized User Number 06-30842-01

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

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

12/30/2005, and to inform you that the initial processing which includes an administrative review has been performed.

AMEND, 06-30842-01 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** 138189.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.