

AMERICAN HEART CENTER, PC
ANNE MCBAIN ABBUD, ESQ.
3402 ROUND HILL COURT
WALL, NEW JERSEY 07719
(732) 974-9620
FACSIMILE (732) 974-9640

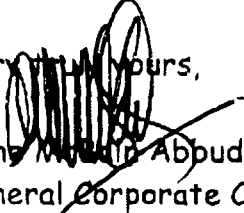
FACSIMILE TRANSMITTAL SHEET

TO:	Michael Perkins, Licensing Assistant	FROM:	Anne Abbud, Esq.
FAX NUMBER:	1-610-337-5269	DATE:	APRIL 12, 2005
PHONE NUMBER:		TOTAL NO. OF PAGES INCLUDING COVER:	9
RE:	Docket #: 030-36622 License #: 29-30930-01		

Dear Mr. Perkins,

As per my telephone conversation with Randy Ragland, I kindly request that you amend the above referenced U.S. N.R.C. Materials License to include Dr. Ziad Abbud, M.D., F.A.C.C. as an authorized user. I would also request that you name Ziad Abbud, M.D., F.A.C.C. the Radiation Safety Officer. Please find enclosed qualification documentation for Ziad Abbud, M.D., F.A.C.C. Should you have any questions, please do not hesitate to contact Anne Abbud at (732) 974-9620.

Very truly yours,


 Anne McBain Abbud, Esq.
 General Corporate Counsel for
 American Heart Center, PC

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MATERIALS LICENSE

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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.

Licensee	
1. American Heart Center	3. License number 29-30930-01
2. 1300 Highway 35, Plaza II, Suite 102 Ocean, NJ 07712	4. Expiration date October 31, 2014
	5. Docket No. 030-36622 Reference No.

6. Byproduct, source, and/or special nuclear material	Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Any byproduct material permitted by 10 CFR 35.100	A. Any	A. As needed
B. Any byproduct material permitted by 10 CFR 35.200	B. Any	B. As needed
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.		

CONDITIONS

- 10. Licensed material may be used or stored only at the licensee's facilities located at 1400 Highway 35, Building C, Ocean, New Jersey.
- 11. The Radiation Safety Officer for this license is Vinesh Patel, M.D.

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

29-30930-01

Docket or Reference Number

030-36622

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:

Authorized Users

Material and Use

Vinesh Patel, M.D.

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 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 May 5, 2004

For the U.S. Nuclear Regulatory Commission

Date October 8, 2004

By

Original signed by Penny Lanzisera

Penny Lanzisera
Medical Branch
Division of Nuclear Materials Safety

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Region I
King of Prussia, Pennsylvania 19406

NUCLEAR MEDICAL EDUCATION PROGRAM

Affidavit of Academic Completion & Competency

This document is to attest that

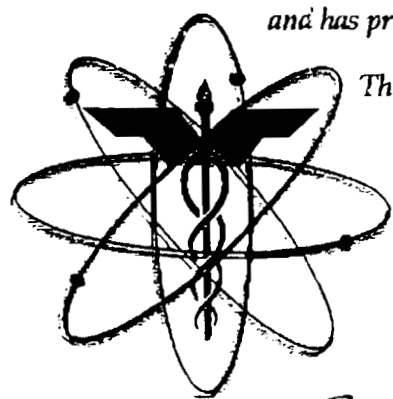
Ziad Abbud, MD

has successfully completed the rudimentary didactic program

PRINCIPLES OF RADIOISOTOPE HANDLING

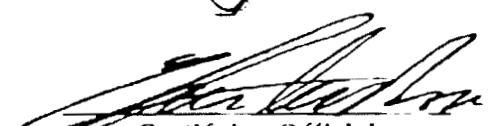
and has provided evidence of attendance in this introductory program and evidence of achieving the fundamental objectives through examination.

This program provides the following levels of basic accomplishment:



- 5.0 Continuing Education Units (CEU)
- 50 Didactic Instructional Hours (DIH)
In compliance with 10CFR35/AEA 73-689
- 50 Board Accepted Hours NUSPEX, NMTCB III b,
ABMRSO, CBNC, MRLB
- 3.0 Semester Hours American Council on
Education (ACE), American Association for
Collegiate Registrars




Certifying Official

9 February 2005
Date Completed

202867
Certification

Institute for Nuclear Medical Education

Certified, Approved and Regulated by the Division of Private Occupational Schools, Department of Higher Education in Colorado. Validated by the Accrediting Commission of the Accrediting Council for Continuing Education Training, a national accrediting agency listed by the US Secretary of Education. Validated by the American Council on Education, recognized by the American Association for Collegiate Registrars, Council on Post-Secondary Education. Licensed by NRC & Agreement States.
INME 1132-Class I-Comp & Comp 1A0



Deborah
Heart and Lung
Center

Frank J. Lumia, M.D., F.A.C.C.
Co-Director, Nuclear Medicine

Section of Nuclear Medicine
Department of Cardiology
200 Trench Road
Browns Mills, NJ 08015

Office: 800-735-2920
Hospital: 609-893-6611 ext. 4730
FAX: 809-735-1859

October 6, 2004

Licensing Assistance Section
US NRC- Region I
475 Allendale Road
King of Prussia, PZA 19406-1415

Re: Authorized User Qualifications

Dear License Reviewer,

I worked closely with Dr. Ziad Abbud during the time period of July 1995 through June 1998.

During that time period, Dr. Abbud has completed far more than the 700 hours of training and expertise in basic radionuclide handling techniques applicable to the medical use of by-product material, as outlined in 10 CFR 35.290, paragraph (c).

I believe that Dr. Abbud has achieved a level of competence sufficient to function independently as an authorized user and/or Radiation Safety Officer for the medical uses authorized under 10 CFR 35.100 and 35.200 and the authority granted by a radioactive materials license.

Sincerely,

Frank Lumia, M.D.
Department of Cardiology
Deborah Heart & Lung Center
Authorized User
Radioactive Materials License #: 29-18190-01

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DIV CARDIOLOGY

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University of Medicine and Dentistry of New Jersey
Robert Wood Johnson Medical School

Department of Radiology
Phone: (908) 235-7721/7722/7723
Fax: (908) 233-6889

One Robert Wood Johnson Place - CN 19
New Brunswick, New Jersey 08903-0019

June 30, 1998

RE: DR. ZIAD ABBUD

To Whom It May Concern:

This letter is to certify that Dr. Ziad Abbud has gained clinical and technical expertise in nuclear cardiology at Robert Wood Johnson University Hospital as well as Deborah Heart and Lung Center. This expertise was gained during his cardiology fellowship dating from July 1995 through June 1998. While at Robert Wood Johnson University Hospital Dr. Abbud has been active in the performance and interpretation of nuclear cardiology imaging procedures. These procedures include exercise, pharmacologic stress, and resting myocardial perfusion examinations employing thallium as well as technetium-based agents, blood pool imaging as well as infarct avid imaging.

During this period Dr. Abbud has spent 4-1/2 months in formal non-invasive stress/imaging and nuclear medicine rotations as well as correlation of nuclear cardiology procedures while on his clinical rotation. Dr. Abbud's exposure to nuclear cardiology has also included didactic monthly conferences, case presentations, and clinical conferences during his rotation through nuclear cardiology. During his 4-1/2 months' experience in these rotations he has actively participated in over 600 myocardial perfusion examinations including planar, SPECT, and gated SPECT techniques. Dr. Abbud has also been involved in greater than 100 gated blood pool imaging studies. During his rotation through the Nuclear Medicine Department he gained experience in quality control/assurance, dose calibrators and survey meters, administration of radio-pharmaceuticals, computer processing, radiation safety, as well as general operation of our facility in compliance with the NRC regulations. Dr. Abbud has accrued 750 hours of clinical and work experience in nuclear medicine at Robert Wood Johnson University Hospital.



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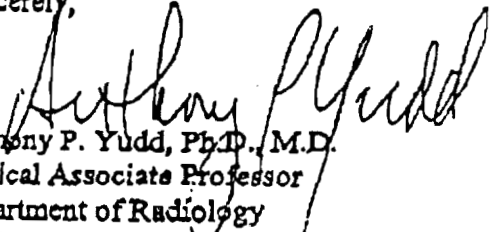
June 30, 1998
RE: Dr. Ziad Abbud
Page 2

Dr. Abbud also gained experience during his rotation at Deborah Heart and Lung Center. Please find attached a copy of a letter from Dr. Frank Lumia describing Dr. Abbud's experience at Deborah Heart and Lung Center in the second paragraph of the letter. Dr. Abbud rotated through nuclear cardiology for three months at Deborah Heart and Lung Center; Dr. Lumia credits him with two months of clinical and technical work experience toward NRC licensure. This would represent 333 hours.

Dr. Abbud has accrued greater than 1000 hours of clinical work experience in nuclear medicine combining his experiences at Robert Wood Johnson University Hospital and Deborah Heart and Lung Center.

If I can provide any further information regarding Dr. Abbud's training, you may contact me at the above address or by phone at 732-937-8612.

Sincerely,



Anthony P. Yudd, Ph.D., M.D.
Clinical Associate Professor
Department of Radiology
UMDNJ-Robert Wood Johnson Medical School

Chief, Division of Nuclear Medicine
Robert Wood Johnson University Hospital

APY/Ω

Enclosure

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DIV CARDIOLOGY

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Frank J. Lumla, M.D., FACC
 Assistant Chair, Department of Cardiology
 Co-Director, Section of Nuclear Medicine
 609-735-2920/FAX 609-735-1859
 e-mail: fjlumla@27@aol.com

May 29, 1998

Anthony Yudd, M.D.
 Department of Nuclear Medicine
 Robert Wood Johnson University Hospital
 New Brunswick, New Jersey

Re: Nuclear Cardiology Fellows

Dear Dr. Yudd::

During the current academic year there were 3 Fellows from Robert Wood Johnson who rotated to Deborah's Section of Nuclear Medicine and handled isotopes. They were Drs. Zaid Abbud, Jean DeMoss, and Rachana Kulkarni.

Dr. Abbud spent 3 months at Deborah. During the first month the Fellows do not handle isotopes. He performed 70 stress studies. During his 2 months as an injector (December 1997 and April 1998), he performed 12 stress thallium studies, 2 stress first pass angiograms, 7 persantine thalliums, 14 stress MIBI, and 8 resting perfusion and/or functional assessment studies. However, since we read all studies as a group, all the Fellows participate in the interpretation of about 250 thallium-201 perfusion images, thallium and technetium-99m sestamibi perfusion and function studies, gated SPECT studies, gated and first pass nuclide angiograms, and technetium-99m pyrophosphate studies each month.

Dr. DeMoss spent 2 months as a non-injector during which time she performed 124 stress studies. She handled isotopes during June 1997. During that month she performed 18 stress thallium studies, 5 stress MIBIs and 7 resting first pass angiograms. Again during her 3 months she participated in the interpretation of several hundred studies as described above.

Dr. Kulkarni spent a total of 3 months as a non-injector. During those months she received credit for 231 stress studies. She spent an additional 2 months (February and May 1998) as an injecting Fellow. She performed 25 stress thallium studies, 14 persantine studies, 36 stress MIBIs, and 13 resting functional or perfusion studies. She also participated in the interpretation of several hundred studies during our reading sessions.

*Deborah Heart and Lung Center • Deborah Hospital Foundation • Deborah Research Institute
 Browns Mills, New Jersey 08015*

If you have any questions about the information, I will be back at Deborah on June 8th. We certainly have enjoyed working with this year's Fellows and look forward continuing our participation in their training.

Thank you.

Sincerely,



Frank J. Lumia, M.D.
Assistant Chair, Department of Cardiology

F7Lauamedyuddrwjfillows

This is to acknowledge the receipt of your letter/application dated 4/12/2005 received, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment 24-30930-01 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** 136863.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 02201
Status Code: 0
Fee Category: 7C
Exp. Date: 20141031
Fee Comments: _____
Decom Fin Assur Reqd: N
.....

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: AMERICAN HEART CENTER
Received Date: 20050412
Docket No: 3036622
Control No.: 136863
License No.: 29-30930-01
Action Type: Amendment

2. FEE ATTACHED

Amount: /
Check No.: /

3. COMMENTS

Signed Rebecca Jones
Date 4/20/05

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /__/)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:

Amendment _____
Renewal _____
License _____

3. OTHER _____

Signed _____
Date _____