

Danbury Hospital

February 2, 2006

Licensing Assistant Section
Nuclear Materials Safety Branch
U. S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

NMSB-1

03001274

RE: NRC License No. 06-08544-01 (Danbury Hospital)
Amendment Request

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REGION I
2006 FEB 15 AM 10:44

To Whom It May Concern:

Enclosed you will find an application and supporting information for an amendment to the Danbury Hospital material license. We recently completed our 10-year renewal process. Included in this proposed amendment will be:

1. Addition of a satellite facility (owned and operated by Danbury Hospital) for nuclear cardiology diagnostic imaging located in Southbury, Connecticut. The address of the facility will be:
Cardiovascular Diagnostic Center (Danbury Hospital)
22 Old Waterbury Road, Suite 106
Southbury, CT 06488
Tel: 203-262-4270

The facility will be staffed by Danbury Hospital employees and will include 1 gamma camera and other equipment required for operation. Tc-99m and Tl-201 will be used for diagnostic imaging and other sealed sources will be required for instrument calibration, etc. We will have a hot lab and on-site radioactive waste storage. No therapeutic modalities using isotopes will be performed at this site. Diagrams of the planned facility and hot lab are enclosed.

The facility will be under the supervision of the Radiation Safety Officer (Dr. William Johns) and our medical physics staff at Danbury Hospital, with activities being overseen by the Radiation Safety Committee at Danbury Hospital. All hospital policies and procedures will be followed at the satellite facility for compliance with NRC and State of Connecticut regulations.

2. We would like to add 2 physicians to our NRC license:
 - a. Robert Savino, OD: Dr. Savino is Chief of Endocrinology at Danbury Hospital. He is board certified in Endocrinology and has completed an 80-hour course in radiation physics/nuclear

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NUCLEAR MATERIALS-002

endocrinology (certificate enclosed). He has been supervised here at Danbury Hospital in the administration of I-131 therapies to 10 patients with hyperthyroidism and 3 patients with thyroid cancer. He is applying for privileges under 10 CFR 35.932 (treatment of hyperthyroidism) and 35.934 (treatment of thyroid cancer). Preceptorship statements are also attached.

- b. Susan Mani, MD: Dr. Mani is a staff Cardiologist here at Danbury Hospital. She is board certified in Cardiology and Nuclear Cardiology. Here certifications are enclosed. She is applying for privileges for Nuclear Cardiology diagnostic imaging under 10 CFR 35.100 and 35.200.

Please inform us if you require any further information. Inquiries may be directed to the Radiation Safety Officer (Dr. William Johns).

Sincerely,



Patricia O'Connor
Senior Vice President, Operations
Danbury Hospital
24 Hospital Avenue
Danbury, CT 06810

WDJ;wdj
2/2/06

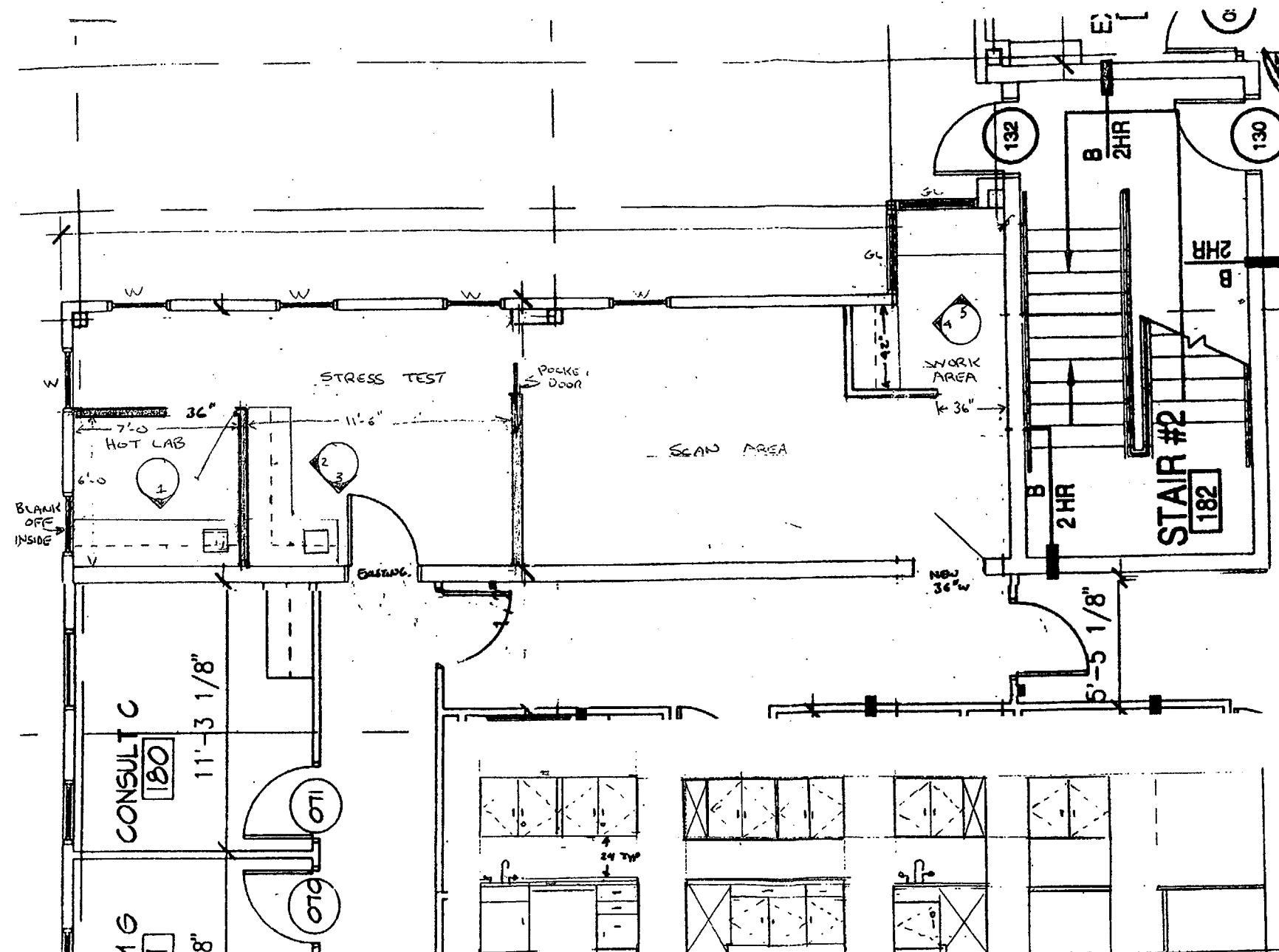
NRC FORM 313 (8-1999) 10 CFR 30, 32, 33 34, 35, 36, 39 and 40	U. S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0120 EXPIRES:08/31/2002			
APPLICATION FOR MATERIAL LICENSE					
Estimated burden per response to comply with this mandatory information collection request: 7.4 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records Management Branch (T-6 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to bjs1@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.					
INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.					
APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH: DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20555-0001 ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS: IF YOU ARE LOCATED IN: CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO: LICENSING ASSISTANT SECTION NUCLEAR MATERIALS SAFETY BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION I 475 ALLENDALE ROAD KING OF PRUSSIA, PA 19408-1415 ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO: SAM NUNN ATLANTA FEDERAL CENTER U. S. NUCLEAR REGULATORY COMMISSION, REGION II 61 FORSYTH STREET, S.W., SUITE 23785 ATLANTA, GEORGIA 30303-6831	IF YOU ARE LOCATED IN: ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO: MATERIALS LICENSING SECTION U.S. NUCLEAR REGULATORY COMMISSION, REGION III 801 WARRENVILLE RD. LISLE, IL 60532-4351 ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO: NUCLEAR MATERIALS LICENSING SECTION U.S. NUCLEAR REGULATORY COMMISSION, REGION IV 611 RYAN PLAZA DRIVE, SUITE 400 ARLINGTON, TX 78011-8084				
03001274					
PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.					
1. THIS IS AN APPLICATION FOR (Check appropriate item) <input type="checkbox"/> A. NEW LICENSE <input checked="" type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER <u>06-08544-01</u> <input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____	2. NAME AND MAILING ADDRESS OF APPLICANT (include Zip code) Danbury Hospital 24 Hospital Avenue Danbury, CT 06810				
3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED Cardiovascular Diagnostic Center (Danbury Hospital) 22 Old Waterbury Road, Suite 106 Southbury, CT 06488	4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION William D. Johns, MD (Rso) TELEPHONE NUMBER 203-797-7222				
SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.					
5. RADIOACTIVE MATERIAL. a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.	6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.				
7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.	8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.				
9. FACILITIES AND EQUIPMENT.	10. RADIATION SAFETY PROGRAM.				
11. WASTE MANAGEMENT.	12. LICENSEE FEES (See 10 CFR 170 and Section 170.31) <table style="width:100%; border: none;"> <tr> <td style="width:70%; border: none;">FEE CATEGORY</td> <td style="width:30%; border: none;">AMOUNT ENCLOSED \$</td> </tr> </table>		FEE CATEGORY	AMOUNT ENCLOSED \$	
FEE CATEGORY	AMOUNT ENCLOSED \$				
13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT. THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39 AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF. WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.					
CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE William D. Johns, MD - Radiation Safety Officer	SIGNATURE <i>William D. Johns</i>	DATE 2/2/06			
FOR NRC USE ONLY					
TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
\$				DATE	
APPROVED BY					

**APPLICATION FOR MATERIAL LICENSE – AMENDMENT REQUEST
DANBURY HOSPITAL
NRC FORM 313 – LICENCE 06-08544-01
SUPPLEMENTARY INFORMATION – ITEMS 5-11**

5. Radioactive Material- As per license. The Southbury site will only be using imaging isotopes Tc-99m & Tl-201. Other sealed sources (Cs-137, Co-57, etc.) used for instrument calibration will also be kept on site.
6. Purpose for Which Licensed Material Will be Used- Diagnostic Imaging.
7. Individual(s) Responsible for Radiation Safety Program and Their Training Experience- William Johns, MD (RSO) & Vladimir Monastyrchenko, Ph.D. (Senior Medical Physicist) – both are on current license.
8. Training for Individuals Working in or Frequenting Restricted Areas – all employees will have yearly radiation safety inservicing. Certified Nuclear Medicine Technologists will be performing procedures.
9. Facilities and Equipment – Dual headed gamma camera, dose calibrator, well counter, survey meter, etc. All protocols for QC/QA will be performed as per Danbury Hospital license.
10. Radiation Safety Program – administered by William Johns, MD (RSO), will be following program established at Danbury Hospital. All procedures will also apply to the satellite facility.
11. Waste Management – There will be on-site storage for radioactive waste in lead barrels in the hot lab. These will be decayed to background. Some syringes will also be returned to the radiopharmacy vendor.



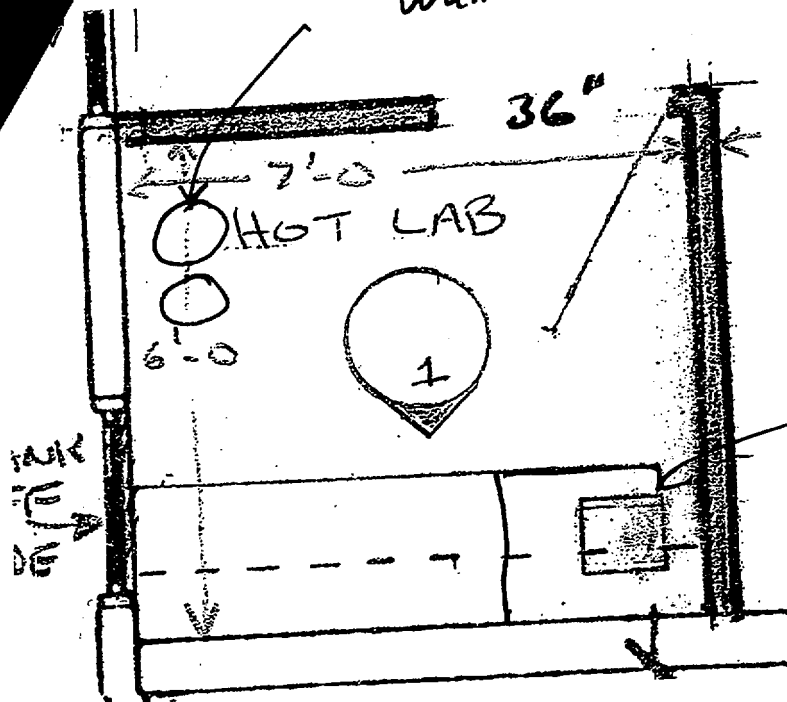
William D. Johns, MD
RSO



20" window sill

SOUTHBURY
NEUC/CARD/STRESS

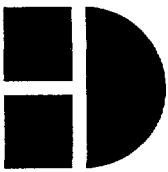
Waste storage (lead barrels)



Work area
with lead
shields &
lead bricks

All isotopes will be locked securely
in the hot lab. Appropriate lead
shields / bricks will be used. Short-lived
isotopes will be decayed to background
in lead barrels. Area surveys will be
done as per routine.

Mythm m
H2O



Danbury Hospital

January 19, 2006

Nuclear Materials Safety Branch
United States Nuclear Regulatory Commission, Region 1
475 Allendale Road
King of Prussia, Pennsylvania 19406-1415

Re: NRC License No. 06-08544-01

03001274

Subject: Addition of Robert Savino, D.O. to Hospital License

To Whom It May Concern:

We request the addition of Dr. Robert Savino to the Danbury Hospital NRC license as an authorized user for treatment of hyperthyroidism (35.932) and thyroid carcinoma (35.934). Dr. Savino is currently the Chief of Endocrinology here at the hospital. He completed his fellowship training in endocrinology in 1994 and coursework in radiological physics in 2003 (certificate attached).

He has completed 80 hours of classroom and laboratory training that includes radiation physics and instrumentation, radiation protection, mathematics pertaining to the use and measurement of radioactivity, and radiation biology. Dr. Joseph Belsky who is currently a licensed user has supervised him in treatment of hyperthyroidism in 10 individuals here at Danbury Hospital. Drs. Gupta and Johns who are currently licensed users have also supervised him in treatment of thyroid cancer in 3 individuals here at Danbury Hospital. We certify that he has successfully completed training and is competent in the use of I-131 to treat both hyperthyroidism and thyroid cancer.

Sincerely,

Shiv Gupta, MD (Preceptor)
Chief of Nuclear Medicine
Chairman, Radiation Safety Committee, Danbury Hospital

William Johns, MD (Preceptor)
Nuclear Medicine
Radiation Safety Officer, Danbury Hospital

Joseph Belsky, MD (Preceptor)
Endocrinology, Danbury Hospital

WDJ:wdj
1/19/06

**MEDICAL USE TRAINING AND EXPERIENCE
AND PRECEPTOR ATTESTATION**APPROVED BY OMB: NO. 3150-0120
EXPIRES: 10/31/2008**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)

Robert Savino, DO
10. CFR 35.932 + 35.934

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

CT Medical License (no prior NRC License)

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.) *Ends Board*
- 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 <i>25 hours</i>	American Association of Clinical Endocrinology Radiological Physics	80 hours total	10/11 - 10/12/2003
Radiation Protection <i>25 hours</i>	11	11	11
Mathematics Pertaining to the Use and Measurement of Radioactivity <i>10 hours</i>	11	11	11
Radiation Biology <i>20 hours</i>	11	11	11
Chemistry of Byproduct Material for Medical Use	11	11	11
OTHER	See certificate of course syllabus		

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

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
I-131	Hypothyroid Therapy 35-932	10 cases	Joseph Belsky MD	Danbury Hospital 06-8544-01	1/1/05 - 12/31/05 10 hours
I-131	Thyroid Cancer Therapy 35-934	2 cases	Shiv Gupta, MD	1)	1/1/05 - 12/31/05 4 hours
I-131	Thyroid Cancer Therapy 35-934	1 case	William John, MD	1)	1/1/05 - 12/31/05 2 hours
		see preceptorship form			

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

* 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)

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

Shiv Gupta, MD

B. Supervisor is:

☒ Authorized User☐ Authorized Medical Physicist☐ Radiation Safety Officer☐ Authorized Nuclear Pharmacist

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

35.934 (Cancer Therapy)

for medical uses in Part 35, Section(s)

D. Address

Danbury Hospital
24 Hospital Avenue
Danbury, CT 06810

E. Materials License Number

06-08544-01

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:

Robert Savino DO

11a.



has satisfactorily completed the requirements in Part 35, Section(s) and Paragraph(s) 35.934
as documented in section(s) C 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 _____



N/A

types of use, as documented in section(s) _____ of this form.

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 I-131 cancer 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 35.934 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):

I-131 Therapy (Cancer)

A. Address

Danbury Hospital
24 Hospital Avenue
Danbury, CT 06810

B. Materials License Number

06-08544-01

C. NAME OF PRECEPTOR (print clearly)

Shiv Gupta, MD

D. SIGNATURE -- PRECEPTOR

X Shiv Gupta, MD

E. DATE

1/19/2006

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

Joseph Belsky, MD

B. Supervisor is:

☒ Authorized User☐ Authorized Medical Physicist☐ Radiation Safety Officer☐ Authorized Nuclear Pharmacist

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

35.932 (Hyperthyroid)

for medical uses in Part 35, Section(s)

D. Address

Danbury Hospital
24 Hospital Avenue
Danbury, CT 06810

E. Materials License Number

06-08544-01

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: Robert Savino, DO

11a.



has satisfactorily completed the requirements in Part 35, Section(s) and Paragraph(s) 35.932,
as documented in section(s) C 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

N/A types of use, as documented in section(s) of this form.

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 I-131 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 35.932 section(s) of 10 CFR Part 35or equivalent Agreement State requirements to be a preceptor ☒ AU or ☐ AMP

for the following byproduct material uses (or units):

I-131 (Hyperthyroid Rx)

A. Address

Danbury Hospital
24 Hospital Avenue
Danbury, CT 06810

B. Materials License Number

06-08544-01

C. NAME OF PRECEPTOR (print clearly)

Joseph Belsky, MD

D. SIGNATURE -- PRECEPTOR

X Joseph L. Belsky, MD

E. DATE

1/19/06

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

B. Supervisor is:

William Johns, MD☒ Authorized User☐ Authorized Medical Physicist☒ Radiation Safety Officer☐ Authorized Nuclear Pharmacist

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

35.934 (cancer therapy)

for medical uses in Part 35, Section(s)

D. Address

Danbury Hospital
24 Hospital Avenue
Danbury, CT 06810

E. Materials License Number

06-08544-01

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: Robert Savino DO

11a.



has satisfactorily completed the requirements in Part 35, Section(s) and Paragraph(s) 35.934,
as documented in section(s) C 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

N/A

types of use, as documented in section(s) of this form.

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 I131 cancer 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 35.934 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):

I131 Therapy (cancer)

A. Address

Danbury Hospital
24 Hospital Avenue
Danbury, CT 06810

B. Materials License Number

06-08544-01

C. NAME OF PRECEPTOR (print clearly)

William D. Johns, MD

D. SIGNATURE -- PRECEPTOR

William D. Johns, MD

E. DATE

1/19/06

Robert Savino, D.O.

DATE OF BIRTH: [REDACTED]**PLACE OF BIRTH:** [REDACTED]**CITIZENSHIP:** [REDACTED]**EDUCATION:**

1984-1988 New York College of Osteopathic Medicine
Old Westbury, NY; D.O.

1980-1984 New York University; New York, NY
BA in Psychobiology; Minor in Spanish

POST-GRADUATE TRAINING:

1993-1994 Fellow, Division of Endocrinology
Joslin Diabetes Center
New England Deaconess Hospital
Boston, MA

1992-1994 Clinical Fellow, Harvard Medical School
Boston, MA

1992-1993 Fellow, Division of Endocrinology
Lahey Clinic Medical Center
Burlington, MA

1989-1992 Resident, Primary Care Internal Medicine
Long Island Jewish Medical Center
Albert Einstein College of Medicine
New Hyde Park, NY

1988-1989 Rotating Internship
Coney Island Hospital
Brooklyn, NY

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

ROBERT R. SAVINO, D.O.**LICENSES:**

1995	Connecticut - active
1992	Massachusetts - retired
1989	New York - active

CERTIFICATION:

2003	American Association of Clinical Endocrinology Certification in Nuclear Medicine
2002	Recertified Diplomate American Board of Internal Medicine Subspecialty in Endocrinology, Diabetes and Metabolism
2002	Recertified Diplomate American Board of Internal Medicine Specialty in Internal Medicine
2001	American Association of Clinical Endocrinology Certification in Thyroid Ultrasonography
1995	Diplomate American Board of Internal Medicine Subspecialty in Endocrinology, Diabetes and Metabolism
1992	Diplomate American Board of Internal Medicine Specialty in Internal Medicine
1989	Diplomate American Board of Osteopathic Medical Examiners

ACADEMIC APPOINTMENTS:

2001- present	Adjunct Assistant Professor of Medicine New York Medical College Valhalla, NY
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ROBERT R. SAVINO, D.O.

1998-present Clinical Instructor in Medicine
Yale University School of Medicine
New Haven, CT

1995 Instructor in Medicine
Harvard Medical School
Boston, MA

HOSPITAL APPOINTMENTS:

1997-present Chief, Department of Endocrinology and Metabolism
Danbury Hospital
Danbury, CT

1996-present Medical Director, Diabetes Management Program
Endocrine and Diabetes Center of Western Connecticut
Danbury, CT

1996-present Attending Physician
Danbury Hospital
Danbury, CT

1994-1995 Associate Clinical Staff Member
Joslin Diabetes Center
Boston, MA

1994-1995 Clinical Staff Member
New England Deaconess Hospital
Boston, MA

1994-1995 Clinical Staff Member
Lahey Clinic
Burlington, MA

1994-1995 Assistant Medical Director
Joslin-Lahey Diabetes and Endocrine Center
Peabody, MA

ROBERT R. SAVINO, D.O.***HONORS AND AWARDS:***

- | | |
|------------|---|
| 2002 | <u>US NEWS AND WORLD REPORT</u> ranked Danbury Hospital among Top Fifty Hospitals in U.S. for treatment of Hormonal Disorders |
| 2002, 2001 | Outstanding Contributor to Third-Year Medicine Clerkships
New York Medical College |
| 2001 | Nominated for Magida Award |
| 1999 -2000 | Outstanding Participation in Housestaff Education
Danbury Hospital
Danbury, CT |
| 1996, 1997 | Teaching Attending of the Year
Danbury Hospital
Danbury, CT |
| 192 | Resident of the Year
Long Island Jewish Medical Center
New Hyde Park, NY |
| 1990 | Mayor's Recognition Award
Avianca Airline Crash Rescue
Glen Cove, NY |
| 1985 | Honors in Pathology
New York College of Osteopathic Medicine
Old Westbury, NY |
| 1983, 1984 | Dean's List
New York University
New York, NY |
| 1980 | Mayor's Recognition Award
Glen Cove Ambulance
Glen Cove, NY |

ROBERT R. SAVINO, D.O.

PROFESSIONAL SOCIETIES:

- 2003-2004 President, Connecticut State Endocrine Society
- 1997-present Member, Connecticut State Endocrine Society
- 1997-present Fellow, American College of Physicians
- 1997-present Fellow, American Association of Clinical Endocrinologists
- 1996-present Member, The Endocrine Society
- 1993-present American Diabetes Association
- 1993-1997 Member, American College of Physicians
- 1992-present Member, American Association of Clinical Endocrinologists

PRINCIPAL CLINICAL RESPONSIBILITIES:

- 1994-1995 Committee to Revise Joslin Diabetes Center Education Materials, Physician Reviewer

TEACHING EXPERIENCE:

- 2003-present Preceptor, third-year medical students, New York College of Osteopathic Medicine
- 2002-present Physician Reviewer for American Board of Internal Medicine Certifying Examination questions in Endocrinology
- 2001-present Endocrinology teaching, third-year New York Medical College students, Internal Medicine Clerkship
- 1996-present Endocrine teaching rotations and lecture series for Internal Medicine Residents and Students
Danbury Hospital
Danbury, CT

ROBERT R. SAVINO, D.O.

- 1994, 1996 Physician Reviewer for American Board of Internal Medicine
Certifying Examination questions in Internal Medicine
- 1994-1995 Preceptor, Second and Fourth-year Students
Harvard Medical School
- 1994 Harvard Medical School
Department of Continuing Medical Education —
"Management of Diabetes in the Post-DCCT Era"
Workshop given on intensive insulin therapy

CLINICAL RESEARCH:

- 1993 Investigator, Research Study Report:
Evaluation of the Application of ADA Standards of Care for the
Treatment of Diabetes. Sponsored by the Endocrine Fellows
Foundation

PUBLICATIONS:

- 1994 Stolar MW, Endocrine Fellows Foundation Study Group:
Clinical Management of the NIDDM Patient:
Impact of the American Diabetes Association Practice Guidelines,
1985-1993. DIABETES CARE 18:701-707, 1985

COMMUNITY ACTIVITIES:

- 2000-present Coach — Ridgefield Little League
- 1996-present Diabetes and Endocrine Education Lectures for various community
groups
- 1990-1995 Medical Officer
Glen Cove Harbor Patrol
Glen Cove, NY

REFERENCES UPON REQUEST

203 438 4926 P.01

American College of Endocrinology

Certifies that

Robert Savino, MD

**Successfully Completed The
"Radiological Physics: AACE Nuclear Medicine Course"**

October 11-18, 2003

The American Association of Clinical Endocrinologists is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The American Association of Clinical Endocrinologists designates this educational activity for a maximum of 80 category 1 credits toward the AMA Physician's Recognition Award.
Each physician should claim only those credits that he/she actually spent in the activity.



Philip Levy
ACE President
Philip Levy, MD, FACE

H. Jack Baskin
Program Chairman
H. Jack Baskin, MD, FACE





American Association of Clinical Endocrinologists

1000 RIVERSIDE AVENUE • SUITE 205 • JACKSONVILLE, FLORIDA 32204 • PHONE: (904) 353-7878 • FAX: (904) 353-8185 • <http://www.aace.com>

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Houston, TX
Treasurer

Richard Hellman, MD, FACP, FACE
St. Kansas City, MO
Secretary

Hassan Gharib, MD, FACE
Rochester, MN
Immediate Past President

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Philip Levy, MD, FACE
Phoenix, AZ

Nasim D. Newfield, MD, FACE
Los Angeles, CA

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(Parliamentarian)
Albuquerque, NM

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Lexington Park, MD

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Torrance, CA

Kenneth S. Hershenov, MD, FACE
New Hyde Park, NY

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Hollywood, FL

John S. Kotera, MD, FACS, FACE
Abington, PA

Sheldon S. Stoffer, MD, FACE
Farmington Hills, MI

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New Orleans, LA

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Houston, TX

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Inglewood, CA

S. Selhu K. Reddy, MD, FACE
Cleveland, OH

Joseph J. Torre, MD, FACP, FACE
Buffalo, NY

Milton K. Wong, MD, FACE
Las Vegas, NV

FELLOW-IN-TRAINING

Syed Abbas Raza, MD
Madison, WI

EMERITUS 2004

Yank D. Coble, Jr., MD, MACE
Jacksonville, FL

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Scottsdale, AZ

F. John Service, MD, FACP, FACE
Rochester, MN
Editor-in-Chief, Endocrine Practice

Donald C. Jones
Chief Executive Officer

December 8, 2003

Paul Iannini, MD, Chair
Department of Medicine
Danbury Hospital
27 Hospital Avenue
Danbury, CT 06810

Dear Dr. Iannini:

The American Association of Clinical Endocrinologists (AACE) is a national medical specialty association comprised of over 4,500 clinical endocrinologists in the United States and 72 other countries. Founded in 1991, AACE is dedicated to providing optimal clinical endocrine care for the large number of patients with endocrine and metabolic disorders. Over 200 physicians have taken Radiation Physics for Endocrinologists, since we first offered it in 1997, which is a significant contribution toward training and improved patient management in the field of endocrinology.

I am writing to you on behalf of Dr. Robert Savino in an effort to clarify criteria for competency for nuclear medicine certification and administration used in the AACE Radiation Physics for Endocrinologists Course. I am submitting to you a copy of the Course syllabus.

Upon completion of the AACE Nuclear Medicine Course, the attendee has the ability to:

1. Calculate the remaining radioactive material from a known sample after a known time.
2. Perform the daily tasks required to stay in compliance with their radioactive material license, to include: area surveys, checking in packages of radioactive materials, performing dose calibrator consistency checks, etc.
3. Be aware of the requirement of a Quality Management Program and understand the record keeping requirements.
4. Assay and record properly a patient dose of radioactive material.
5. Properly use a survey meter to perform package and area wipe tests.
6. Convert from cpm to dmp.
7. Calculate dose of I-131 for hyperthyroidism.

The 80-hour course satisfies the didactic training requirement of the U.S. Nuclear Regulatory Commission for an endocrinologist to be licensed as an authorized user of radioiodine for treatment of patients with hyperthyroidism. The curriculum consists of:

- 25 hours of radiation physics and instrumentation
- 25 hours of radiation protection
- 10 hours of radiation mathematics
- 20 hours of radiation biology

If we may be of any additional assistance, please do not hesitate to contact me directly at 904-353-7878, extension 29.

Sincerely,

Victoria R. Jeune
Director of Legislation and Socioeconomics

cc: Donald C. Jones, CEO
Jay W. Millson, Deputy CEO

The Voice of Clinical Endocrinology

Course Syllabus

Radiation Physics for Endocrinologists

DAY ONE

Saturday, October 11, 2003

7:00 am	Registration
7:15	Introduction
	AACE Representative
7:30	Course Information
	Greg Wegst, M.A
8:00	Matter and Atomic Structure
	Audrey Wegst, PhD
8:20	Alpha, Beta, Gamma Emissions, Internal Conversion
	Audrey Wegst, PhD
8:45	Coffee Break
9:00	Logarithmic Review
	Larry Cook, PhD
10:00	Radioactivity and Decay
	Audrey Wegst, PhD
11:00	Decay Schemes:
	I-131, I-123, I-125, Tc-99m
	Audrey Wegst, PhD
11:30	Units of Measurement
	Jay Spicer, M.S.
12:00	Lunch--Radiation Safety Video and Discussion
1:00 pm	Production of Radioisotopes
	Jay Spicer, M.S.
02:00	Specific Activity
	Jay Spicer, M.S.
03:30	END

DAY TWO

Sunday, October 12, 2003

7:30am	Quiz
7:45	Interaction of Particles and Photons with Matter Audrey Wegst, PhD
9:30	Coffee Break
9:45	Units of Radiation Dose Ben Friesen, PhD
11:30	Radiation Detectors: Gas filled detectors Ionization Chambers Dosimeters Survey Meters Dose Calibrators Accuracy Geometry Linearity Consistency GM Counters Wipe Test Counters Survey Meters Audrey Wegst, PhD
12:00	Lunch—Radiation Safety Video and Discussion
1:00	Radiation Detectors (continued)
2:15	Counting Statistics Larry Cook, PhD
3:45	Coffee Break
4:00	Radioactive Sources, Standards Audrey Wegst, PhD
4:30	Counting Efficiency, Minimum Detectable Activity, Background Larry Cook, PhD
5:30	Demonstration of: Counting Efficiency Background Determination
6:30	END

DAY THREE

8:00am	Quiz
8:20	Demonstration in the Use of Survey Meters
9:15	Thyroid Physiology and Imaging Woody Sistruck, M.D.
10:00	Coffee Break
12:00pm	Lunch–Radiation Safety Video and Discussion
1:00	Scintillation Detectors Audrey Wegst, Ph.D.
2:15	Pulse Height Analysis Audrey Wegst, Ph.D.
3:00	Coffee Break
3:15	Instruments Using Scintillation Detectors Thyroid Probes Well Counters Survey Meters Gamma Cameras P.E.T. Audrey Wegst, PhD
5:30	Demonstration: Dose Calibrator Tests
6:30	END

DAY FOUR**Tuesday, October 14, 2003**

8:00 am	Review
8:30	Quiz
9:15	Radiation Biology I Ben Friesen, PhD
10:00	Coffee Break
11:00	Thyroid Uptakes Joel McAllister, MS
12:00 pm	Lunch–Radiation Safety Video and Discussion
1:00	Thyroid Uptake Pitfalls Audrey Wegst, Phd
2:00	Demonstrations and Lab Well Counter Pulse Height Spectra Thyroid Uptake Thyroid Assay Sample Counting ALARA
6:00	END

DAY FIVE**Wednesday, October 15, 2003**

8:00 am	Review
8:30	Quiz
9:15	Radiation Biology II Ben Friesen, PhD
10:00	Coffee Break
10:15	Radiation Biology III Ben Friesen, PhD
12:00 pm	Lunch–Radiation Safety Video and Discussion
1:00	Radiation Dosimetry: External Internal Ben Friesen, PhD
2:00	Protection from External Sources of Radiation: Time, Distance, Shielding Audrey Wegst, Ph.D.
3:00	Coffee Break
03:15	Required Monitoring for External Radiation Airborne, Surface and Skin Audrey Wegst, PhD
3:45	Protection from Internal Contamination Audrey Wegst, PhD Monitoring for Internal Contamination Thyroid Bioassays Audrey Wegst, PhD Demonstration of Monitoring Area Surveys Wipe Test Surveys Spill Procedures
6:00	END

DAY SIX**Thursday, October 16, 2003**

8:00 am	Quiz
8:30	Tracer Kinetics Jay Spicer, M.S.
9:30	Thyroid Treatment and Calculation of Dose Jay Spicer, M.S.
10:15	Coffee Break
10:30	Measurement of Dose and Proper Records Audrey Wegst, PhD
11:30	Demonstration of Proper Administration of Dose
12:00 pm	Lunch–Radiation Safety Video and Discussion
1:00	Example Problems Larry Cook, PhD
2:00	Regulatory Agencies and Agreement States Audrey Wegst, PhD
3:00	Coffee Break
3:15	Review of Iodine Chemistry

Jay Spicer, M.S.
Radiopharmaceuticals in Nuclear Medicine

5:15 Jay Spicer, M.S.
Demonstrations
Radioactive Package Receipt and Return

6:00 END

DAY SEVEN

Friday, October 17, 2003

8:00 am Quiz
8:30 Obtaining a Radioactive Materials License
Joel McAllister, MS
9:30 Review of NRC Regulations
Audrey Wegst, PhD
10:00 Coffee Break
10:15 Personnel Monitoring
Member of the Public Dose Determination
Waste Disposal
Radiation Safety Committee
Radiation Safety Officer
Audrey Wegst, PhD
12:00 pm Lunch–Radiation Safety Video and Discussion
1:00 Laboratory Monitoring.
Lecture and Demonstration
3:00 Coffee Break
3:15 Written Directives (Appendix S, “Consolidated Guide”)
Patient Release, NRC and Example State
Joel McAllister, MS
5:30 Package Receipt and Monitoring
Audrey Wegst, PhD
6:00 END

DAY EIGHT

Saturday, October 18, 2003

8:00 am Review and Questions
8:30 Review of Essential Records for License Compliance
Audrey Wegst, PhD
10:00 Coffee Break
10:15 Regulations-Variations from State to State
Audrey Wegst, PhD
12:00 pm Lunch–Radiation Safety Video and Discussion
1:00 Tour of Nuclear Medicine Department
University of Kansas Medical Center
Jay Spicer, MS
4:00 Coffee Break
4:15 FINAL EXAM
6:00 END OF COURSE

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Robert Rocco Savino

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ENDOCRINOLOGY, DIABETES & METABOLISM



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Shalender Bhasin

Joel S. Finkelstein

THE AMERICAN BOARD OF INTERNAL MEDICINE

INCORPORATED 1936

ATTESTS THAT

Robert Rocco Savino

HAS MET THE REQUIREMENTS OF THIS BOARD AND IS HEREBY

CERTIFIED FOR THE PERIOD 2002 THROUGH 2012

AS A DIPLOMATE IN

INTERNAL MEDICINE

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CHAIR

Ralph Horwitz
CHAIR-ELECT

James R. Patterson
SECRETARY-TREASURER

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Veronique Sherwood

Donald C. Sherson

Beverly Woo

Karen K. Wm

NUMBER 141533

2002

0007979 FP **PRSR T1 0 1364 06877

ROBERT R. SAVINO DO

Dear Licensed/Certified Professional,
Attached you will find your validated license/certification for the coming year. Should you have any questions about your license/certificate renewal, please do not hesitate to write or call:

Department of Public Health

(860) 509-7603

P.O. Box 340308

or

M.S.#12MQA

(860) 509-7596

Hartford, CT 06134-0308

Sincerely,

J Robert Galvin M.D., M.P.H.

J. ROBERT GALVIN, MD, MPH, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.

4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

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ROBERT R. SAVINO DO

LICENSE NO.
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CURRENT THROUGH
12/31/06
VALIDATION NO.
03-270899

SIGNATURE

J Robert Galvin M.D., M.P.H.
COMMISSIONER

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**STATE OF CONNECTICUT
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NAME

ROBERT R. SAVINO DO

VALIDATION NO.

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CURRENT THROUGH

03-270899

000429

12/31/06

PROFESSION

PHYSICIAN/SURGEON

SIGNATURE

J Robert Galvin M.D., M.P.H.
COMMISSIONER

WALLET CARD

**STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH**

NAME

ROBERT R. SAVINO DO

VALIDATION NO.

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CURRENT THROUGH

03-270899

000429

12/31/06

PROFESSION

PHYSICIAN/SURGEON

SIGNATURE

J Robert Galvin M.D., M.P.H.
COMMISSIONER

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**MEDICAL USE TRAINING AND EXPERIENCE
AND PRECEPTOR ATTESTATION**APPROVED BY OMB: NO. 3150-0120
EXPIRES: 10/31/2008**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)**

*Susan Mari, MD 10 CFR 35.100 / 35.200
Authorized User - Nuclear Cardiology Diagnostic Imaging*

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

*(CT), NY - Medical License (no prior NRC License)***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.) *Board Certified - American Society of Nuclear Cardiology*
- 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	<i>Board Certified Nuclear Cardiology</i>		
Radiation Protection			
Mathematics Pertaining to the Use and Measurement of Radioactivity			
Radiation Biology			
Chemistry of Byproduct Material for Medical Use			
OTHER			

Susan Marie, MD

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
<i>Board Certified</i>			

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

Susan Mani, M.D.
Danbury Office of Physician Services, P.C.
Department of Cardiology.
The Regional Heart & Vascular Center at Danbury Hospital
24 Hospital Avenue
Danbury, CT 06810
(203) 797-7155

TRAINING

06/2001 — 6/2005 Fellowship in Cardiology, Division of Cardiology
New York Presbyterian Hospital, New York NY
Level II Echocardiography Eligible
Nuclear License Eligible *certified 9/05* 
2002--2003 Assistant Chief of Service, Osler Medical Service J
Johns Hopkins Hospital, Baltimore MD
1998--2001 Internship and Residency in Internal Medicine
Johns Hopkins Hospital, Baltimore MD

EDUCATION

1994--1998 Doctor of Medicine, May 1998
Johns Hopkins University School of Medicine
1991-- 1994 Bachelor of Science in Pre-Medicine, May 1994 Pennsylvania
State University

HONORS

2004 Society of Geriatric Cardiology 10th Annual Scientific Session
Awarded in Poster Competition Physician-in-Training Category
2004 Annual Southworth Research Competition
Honorable Mention

ABSTRACTS/PUBLICATIONS

Mani S, Maurer MS, Wajahat R, El-Khoury Rumbarger L. Impact of blood volume and its components on ventricular remodeling in patients with heart failure and normal ejection fraction.
Heart Failure Society of America, 2004

Mani S, Maurer MS, Wajahat R, El-I:houry Rumbarger, King D, Burkhoff D. Anemia in patients with heart failure and preserved ejection fraction.

Susan Mani, M.D.
Danbury Office of Physician Services, P.C.
Department of Cardiology.
The Regional Heart & Vascular Center at Danbury Hospital
24 Hospital Avenue
Danbury, CT 06810
(203) 797-7155

Society of Geriatric Cardiology, 2004

Nilsson K, Mani S. Cases from the Osler Medical Service at Johns Hopkins University. *Am J Med* 2004; 116(1): 54-6

Dharmadhikari A, Sukkar A, Mani S. Cases from the Osler Medical Service at Johns Hopkins University *Am J Med* 2003; 114(9): 765-7.

Thompson Ferguson T, Mani S. Cases from the Osler Medical Service at Johns Hopkins University. *Am J Med* 2003; 114(4): 336-8.

Mani S, Becker L, Blumenthal R, Yook R, Becker D. Exaggerated blood pressure response to exercise in a normotensive, asymptomatic population is associated with premature vascular disease. *American Heart Association, 2000*

BOARD CERTIFICATION

2001-2001 Diplomate, American Board of Internal Medicine

LICENSE

2001-Present New York State License # 22980

ACADEMIC APPOINTMENTS

2001-2003 Assistant in Clinical Medicine , Columbia University, New York NY

2002-2003 Instructor in Clinical Medicine, Johns Hopkins Hospital

HOSPITAL APPOINTMENTS

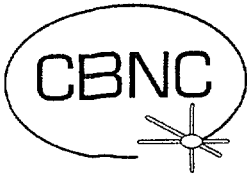
2001-Present Post-Doctoral Clinical Fellow
New York Presbyterian Hospital, New York, NY

PROFESSIONAL SOCIETIES

American Heart Association
American College of Cardiology

REFERENCES

Provided upon request



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 • Website: www.cbnc.org

December 6, 2005

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Dawn M. Edgerton
Executive Director

Susan Mani MD

Dear Dr. Mani:

We are pleased to inform you that the Board of Directors of the Certification Board of Nuclear Cardiology (CBNC) has determined that your score on the written examination of October 23, 2005 meets the standards the Board has established for certification in nuclear cardiology. Congratulations on your achievement!

A passing score of 125 questions correct was determined by an independent panel of peers, representing the disciplines involved in the practice of nuclear cardiology, drawn from both private practice and academia.

The number of questions you answered correctly was 138. The attached chart shows the number of correct answers you had for each of the content areas. Also enclosed is a press release which you may wish to use to announce your successful completion of the 2005 exam.

As you may recall, the application form that you completed carried the wording "List name as you wish it to appear on certificate if you successfully pass the exam." Therefore, we will honor your request. We anticipate that the hand calligraphed certificates will be mailed by February 1, 2006.

It is important for future mailings that you keep the CBNC headquarters office informed of any address changes and so that the information in our online verification database is correct. The names of the successful 2005 examinees will be posted on CBNC's Website by January 1, 2006.

On behalf of the Board of Directors, I wish to thank you for your participation in the CBNC examination.

Sincerely,

Manuel D. Cerqueira, M.D.
President

Enclosures

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

ID No. 2005768



January 3, 2006

Candidate Number: 209654

Dr. Susan Mani
[REDACTED]

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Philadelphia, PA
19106-3699

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Tel: 800-441-2246
Fax: 215-446-3470
E-mail: request@abim.org
www.abim.org

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A Member Board of the
American Board of
Medical Specialties (ABMS)

Dear Dr. Mani:

Congratulations! The Board is pleased to inform you that you passed the Fall 2005 Certification Examination in Cardiovascular Disease and are now certified as a Diplomate in Cardiovascular Disease. Your certification will remain valid through the year 2015.

The following information regarding your certification is attached:

- Score Report
- Description of the Score Report
- Form to order your Certificate(s)

The Board's Web site <www.abim.org> includes a page to verify certification status and information about the ABIM and its activities. In 10 days, the ABIM verification of certification web page will be updated to indicate that you are certified.

To ensure that you receive timely information from the Board about maintaining your certification, please notify us of any changes in contact information, including an e-mail address. You can update contact information online through the ABIM Web site.

Your name will be provided to the American Board of Medical Specialties for listing in *The Official ABMS Directory of Board Certified Medical Specialists*. You will receive a form from the ABMS, the publisher of the directory, soliciting the information to appear in your listing.

To maintain your certification beyond its 10-year limit you must complete the ABIM Maintenance of Certification program, Continuous Professional Development (CPD). Details about the CPD program can be found on the ABIM website, and the Board will inform you by mail about your CPD status annually.

The Board wishes you continued success.

Most sincerely,

F. Daniel Duffy, M.D.

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BY NRC. NO COPY OF THIS INFORMATION
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The Johns Hopkins University

Upon the recommendation of the Faculty of

THIS IS TRUE AND EXACT COPY OF THE
DIPLOMA AWARDED TO SUSAN MANI ON
MAY 21, 1998.

The School of Medicine

has conferred upon

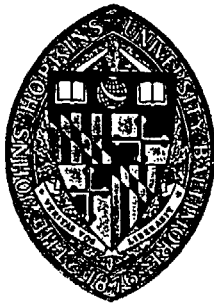
Susan Mani

the degree of

Doctor of Medicine

with all the rights, honors and privileges appertaining thereto.

*Given under the seal of the University at Baltimore, Maryland
on May twenty-first, nineteen hundred and ninety-eight.*



Stuart D. Miller Jr.

Dean

William R. Brody

President

Arthur W. Lehman

Chairman of the Board of Trustees



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

April 1, 2005

Susan Mani M.D.

Dear Licensee:

I am pleased to inform you that you have met all requirements for licensure as a **Physician/Surgeon** in Connecticut. Your license number is **043275** and is effective as of the date of this letter. Your formal license will be mailed to you in the near future. Your name will appear on your license as shown above unless you notify us otherwise.

It is your responsibility to notify the Department of Public Health, Office of Practitioner Licensing and Certification, in writing, of any changes of name, residence address or business address, either within or outside Connecticut. Such notification to the Department of Public Health is required by law; failure to provide same may jeopardize the status of your license.

Please note that your license must be renewed annually during your month of birth. Renewal will be required in the first birth month which immediately follows the issuance of licensure. Failure to renew your license within ninety (90) days of the due date will result in your license becoming void. In that event, re-licensure would require a new application to the department and a review of all credentials to determine whether you satisfy current licensing requirements.

Should you have any questions or concerns regarding the renewal of your license, please contact the renewal staff at (860) 509-7603.

Respectfully,

Stephen B. Carragher
Health Program Supervisor
Office of Practitioner Licensing and Certification

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SBC:MM



Phone: (860) 509-7603

Telephone Device for the Deaf (860) 509-7191

410 Capitol Avenue - MS # 12MQA

P.O. Box 340308 Hartford, CT 06134

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Website for licensure verification <http://www.ct-clc.com>



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Health Care or Environmental Health Professional's License Status

This site is part of **CT-clic.com**, the **Connecticut Licensing Info Center**, that links to all YOUR State licensing and registration needs.

Note: Requests for copies of documents related to past disciplinary action for professions other than physicians may be emailed as such documents are not currently available via this web site. Please include your name and telephone number on any request.

License Type: Physicians & Surgeons

License Number: 043275

Name: MANI, SUSAN

Expiration Date: 9/30/2006

Granted Date: 4/1/2005

License Name: Susan Mani M.D.

License Status: Current

Disciplinary None

Action:

Questions ? ?

E-mail webmaster.dph@po.state.ct.us or call (860) 509-7603

[Return to DPH Licensure/Renewal Page](#)

For Business Registry Questions? Contact **Smart State** or call 1-800-392-2122.

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The University of the State of New York
Education Department
Office of the Professions
REGISTRATION CERTIFICATE
Do not accept a copy of this certificate

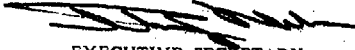
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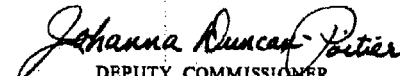
MANI SUSAN
[REDACTED]

is registered to practice in New York State through 08/31/2007 as a(n)
PHYSICIAN

LICENSEE/REGISTRANT


EXECUTIVE SECRETARY


COMMISSIONER OF EDUCATION


DEPUTY COMMISSIONER
OFFICE OF THE PROFESSIONS

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

2/2/2006, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Amend. 06-08544-01
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** 138427.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.