

VOID SHEET

Dec 17
RC
111748

TO: License Fee Management Branch
FROM: REGION I
SUBJECT: VOIDED APPLICATION

Control Number: 111748
Applicant: METROPOLITAN HOSPITAL
Date Voided: 27 DEC 1989
Reason for Void: RSC DID NOT REVIEW THE INDIVIDUALS
CREDENTIALS. (SEE ATTACHED
TELEPHONE CONVERSATION).

Emw
Signature

12-27-89
Date

Attachment:
Official Record Copy of
Voided Action

FOR LFMB USE ONLY

Final Review of VOID Completed:
 Refund Authorized and processed
 No Refund Due
 Fee Exempt or Fee Not Required

Comments: After Review

Log completed
Processed by: [Signature]

12/19/89

TELEPHONE OR VERBAL CONVERSATION RECORD

11:00

INCOMING CALL

OUTGOING CALL

VISIT

PERSON CALLING

J. Stambaugh

OFFICE/ADDRESS

NRC Region I

PHONE NUMBER

EXTENSION

PERSON CALLED

Dr. Shapiro

OFFICE/ADDRESS

RSO - Metro Hosp

PHONE NUMBER

EXTENSION

(215) 456-2500

CONVERSATION

SUBJECT

License Amendment

SUMMARY

1). Add user
 4). Cardiologist
 requested precceptor + found that
 the RSC had not reviewed the
 individuals credentials
 therefore, the request is withdraw.

REFERRED TO:

ADVISE ME OF ACTION TAKEN.

ACTION REQUESTED

Void the request

INITIALS

DATE

12/19/89

ACTION TAKEN

INITIALS

DATE

030-03043



**METROPOLITAN HOSPITAL
Central Division**

201 North Eighth Street
Philadelphia, Pennsylvania 19106
(215) 238-2000

Monday, December 4, 1989

Mohammed Shanbakey
475 Allendale Road
King of Prussia, PA 19046

Dear Mr. Shanbakey,

Metropolitan Hospital-Central Division would like to add Dr. Howard Rosner to our current license. Enclosed is documentation of his credentials for Nuclear Medicine.

The hospital's current license number is 37-04871-01. Enclosed is a check for \$120.00. If there are any questions, please contact me at (215)238-2170.

Log	Dec 17
Remitter	
Check No.	004159
Amount	\$120
Fee Category	7C
Type of Fee	AMD
Date Check Rec'd.	12/21/89
Date Cont. Rec'd.	12/27/89
By:	act

Sincerely,
Jeanne Doucette
Jeanne Doucette
Associate Executive Director

JD/rm

Enclosures

111748

OFFICIAL RECORD COPY *ML10*

DEC 08 1989

APPLICATION FOR MATERIAL LICENSE

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.

APPLICATIONS FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, 8888
WASHINGTON, DC 20545

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:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIALS SAFETY SECTION 8
475 ALLENDALE ROAD
EMIG OF PRUSSIA, PA 19388

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION 2
NUCLEAR MATERIALS SAFETY SECTION
101 MANNETTA STREET, SUITE 200
ATLANTA, GA 30321

IF YOU ARE LOCATED IN:

ILLINOIS, IOWA, KANSAS, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
780 ROOSEVELT ROAD
OLEN ELLY, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
611 RYAN PLAZA DRIVE, SUITE 1800
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
NUCLEAR MATERIALS SAFETY SECTION
1460 MARSA LANE, SUITE 270
WALNUT CREEK, CA 94698

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 JURISDICTION.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- A. NEW LICENSE
 B. AMENDMENT TO LICENSE NUMBER _____
 C. RENEWAL OF LICENSE NUMBER _____

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code)

Internal Medicine Specialties, PC
201 N. 8th Street, # 202
Philadelphia, PA 19106

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED.

_____ same as above _____

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Howard M. Rosner, MD

TELEPHONE NUMBER

238-2311

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 AND 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 170.201 Section 170.31)

AMOUNT ENCLOSED \$ 580.00

13. CERTIFICATION (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE SHOWN 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 20, 32, 33, 34, 26, 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 28, 1948, 62 STAT. 748 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.

SIGNATURE - CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE

Howard M. Rosner

Howard M. Rosner

Owner/Applicant

8/23/89

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	COMMENTS	APPROVED BY
AMOUNT RECEIVED	CHECK NUMBER			DATE

AUG 29 1989

APPLICATION FOR MATERIAL LICENSE

DOCUMENTATION OF ATTACHMENTS TO THIS APPLICATION

Attachment Section	Description Of The Attachment Enclosed
A.	Description Of The Scope Of The Operation
B.	Radioactive Materials Requested In This Application
C.	Training And Experience Of Authorized User And Radiation Safety Officer
D.	Personnel Qualifications And Training
E.	Facilities And Related Equipment
F.	Radiation Detection Instrumentation
G.	Calibration Of The Survey Instrument
H.	Calibration Of The Dose Calibrator
I.	Quality Control Of The Gamma Camera
J.	Personnel External Monitoring Program Radiation Safety Committee ALARA Program
K.	Leak Testing Of Sealed Sources
L.	Rules For The Safe Use Of Radiopharmaceuticals
M.	Procedure For Spills
N.	Procedure For Ordering Radioactive Materials
O.	Procedure For Opening Packages
P.	Radiopharmaceutical Records
Q.	Procedure For Area Surveys
R.	Radioisotope Waste Disposal Procedure

The above documents will be found in this order in the following pages.

DESCRIPTION OF THE SCOPE OF THE OPERATION

This license application is for nuclear cardiology procedures only. The procedures will be implemented in a private practice facility. The materials used will be obtained from a radiopharmacy. The applicant will not obtain a $^{99m}\text{Tc}/^{99}\text{Mo}$ generator. There is no intent to purchase any materials in "bulk" form, and all sources will be obtained in unidose form from the radiopharmacy.

All radioactive wastes that came from the radiopharmacy, ie spoiled unidoses or used syringes that contain residual activity, will be returned to the radiopharmacy for disposal and records of this transfer will be maintained by the applicant. Other wastes, ie wipes and contaminated materials will be stored by the applicant for decay in storage (DIS).

If the scope of the operation needs to be changed to meet the medical needs of the applicant-physician the application will be amended prior to those changes.

RADIOACTIVE MATERIALS REQUESTED IN THIS APPLICATION

Radiopharmaceuticals

The applicant wishes to receive a license for only nuclear cardiology procedures. These procedures, to be performed in an out-patient facility, will be limited to:

<u>Radioisotope</u>	<u>Form</u>	<u>Amount, mCi Of Each Form</u>	<u>Item 6. Purpose Of Use</u>
99m Tc*	Pertechnetate	80.00	Human Use
	HSA	40.00	Human Use
	PYP	40.00	Human Use
201 Tl*	Chloride	60.00	Human Use

99m Tc*	Pertechnetate	5.00	Quality Control & Calibration
201 Tl*	Chloride	1.00	Quality Control & Calibration

Sealed Sources for Quality Control and Calibration as described on the next page.

* Note: The sources of 99m Tc and 201 Tl will be obtained from the radiopharmaceutical supplier in unidose or multidose form. The applicant will not obtain a generator for 99m Tc or make "kits" using the radiopharmaceuticals listed in this application. (The "supplier" includes the radiopharmacy)

All unused sources and contaminated syringes etc that are obtained from the radiopharmacy will be returned to the radiopharmacy for disposal. Only those materials originating in the facility, ie wipes etc will be kept in the facility for decay in storage (DIS).

It is recognized that the 201 Tl and 57 Co are licensed by the "State" including Agreement States.

Sealed Sources

The sealed sources will be obtained from Atomic Products Corporation, P.O. Box R, Shirley, New York 11967

The Sources used for the dose calibrator are:

<u>Element and Mass Number</u>	<u>Form</u>	<u>Max., mCi</u>	<u>Catalogue Number</u>
Ba 133	sealed	0.250	063-562
Cs 137	sealed	0.200	101-356
Co 57	sealed	5.000	063-261

The Sources used for the gamma camera are:

<u>Element and Mass Number</u>	<u>Form</u>	<u>Max., mCi</u>	<u>Catalogue Number</u>
Co 57	sealed	5.000	062-295

A description of the sources, as provided by the supplier, are given in the information below.

Isotope Calibrator Reference Sources

- For checking calibrator accuracy, performance and consistency.

Good practice dictates, and regulatory agencies recommend, that isotope calibrators used for measuring diagnostic and therapeutic doses of radio-pharmaceuticals be checked regularly over the calibrator's range of measurements. Calibrator performance is easily monitored by using the following calibrated standards to verify the accuracy of its assays:

- A long-lived source, such as ^{137}Cs ($T_{1/2} = 30$ yrs.), to avoid the tedium of constant decay corrections.
- A ^{57}Co source ($T_{1/2} = 270$ days) that simulates $^{99\text{m}}\text{Tc}$, the most common radioisotope in nuclear medicine.

By keeping a daily log of the values obtained on selected ranges with both standards, the user develops a performance record that detects calibrator error or failure before a mistake is made in a patient's dose.

Both sources are supplied in 20ml epoxy in a 27ml plastic vial, 85 mm H x 30 mm D. Calibrated to $\pm 5\%$.

- 063-562 Calibrated Barium 133 Source, 250uCi
 101-356 Calibrated ^{137}Cs Source 200uCi
 063-261 Calibrated Simulated $^{99\text{m}}\text{Tc}$ Source (Cobalt-57), 5mCi



Cobalt-57 Flood Sources

Intended Uses:

- Daily intrinsic uniformity checks
- Extrinsic collimator checks
- Linearity and resolution checks with bar phantom
- As transmission sources
- Quality control for accreditation and regulatory requirements



The Sources contain Cobalt-57, uniformly dispersed in a plastic disc, which is completely encased in an attractive aluminum cover. Each source is supplied in a lead-shielded wooden carrying case. The shielding reduces the exposure rate at the front surface to approximately 1.4mR/hr.

Emission non-uniformity (distribution) less than 1%. Available in three sizes.

Flood Source:

062-295 14" diameter, 5mCi

TRAINING AND EXPERIENCE OF AUTHORIZED USER AND RADIATION SAFETY OFFICER

The attached documents document the training and experience of the physician applicant. The documents show the Basics of Radioisotope Handling training as 200+ hours and Preceptored Clinical Experience. There is additional Clinical Experience but additional documentation should not be required of the applicant.

A description of the training program provided by the Institute For Nuclear Medical Education is on file with your agency. This training program has been reviewed by all NRC Regions and by most Agreement States and has also been reviewed by the State of Colorado, Radiological Health Section, Charles Mattson. The program has been submitted by several agencies including the State of Colorado, for inclusion in the NRC list of Service and Training Programs. If additional information of this program is required, please contact:

Institute For Nuclear Medical Education
Att: Charles H. Rose, MA, MSPH, D(ABSNM)
Program Director
Suite 305 A
1800 30th Street
Boulder, Colorado 80301

Telephone: 1-800-548-4024 or
303-442-7358

LOG OF SUPERVISOR PROCEDURES DISEASE TRAINEES

Nuclear Cardiology

Trainee's Name: _____

Patient Unit No.	Date	Procedure	Patient Unit No.	Date	Procedure
JAMES WICKS	3/28/88	EST-201TL + Rest 201TL	E. Adair	1/5/87	EST-201TL + Rest 201TL
JEANETTE ZABEL	3/29/88	EST-201TL + Rest 201TL	R. S. Wick	1/25/86	Diner 201TL + Rest 201TL
PETER LESKIN	3/29/88	EST-201TL + Rest 201TL	G. B. Berman	1/27/86	EST- RP 30A + Rest RP 30A
JAMES CLARK	3/29/88	EST-201TL + Rest 201TL	S. K. Straub	1/27/86	EST-201TL + Rest 201TL
LULA RUSHIELDS	3/29/88	EST-201TL + Rest 201TL	J. S. Klifton	1/27/86	EST-201TL + Rest 201TL
STAN SOKOLOWSKI	3/29/88	EST-201TL + Rest 201TL	A. H. D. D. D.	1/27/86	EST-201TL + Rest 201TL
GEORGE BYRUSH	3/29/88	EST-201TL + Rest 201TL	D. H. H. H.	4/9/86	EST-201TL + Rest 201TL
GERD GONZALEZ	3/29/88	EST-201TL + Rest 201TL	D. H. H. H.	1/27/86	EST-201TL + Rest 201TL
MARY GATTI	3/29/88	EST-201TL + Rest 201TL	J. S. Klifton	1/27/86	EST-201TL + Rest 201TL
MALCOLM DORWAN	3/29/88	EST-201TL + Rest 201TL	F. G. G.	1/27/86	EST-201TL + Rest 201TL
STANLEY SOKOLOWSKI	3/29/88	EST- RP 30A + Rest RP 30A	B. J. J.	1/27/86	EST- RP 30A + Rest RP 30A
HARRY GOLDEN	3/29/88	EST-201TL + Rest 201TL	D. H. H. H.	1/27/86	EST-201TL + Rest 201TL
DELLYAR WOLF	3/29/88	EST-201TL + Rest 201TL	B. J. J.	1/27/86	EST-201TL + Rest 201TL
STANLEY CHAMMAN	3/29/88	EST-201TL + Rest 201TL	D. H. H. H.	1/27/86	EST-201TL + Rest 201TL
ANNA FILIPANO	3/29/88	EST-99 TL + Rest 99 TL	D. H. H. H.	1/27/86	EST-99 TL + Rest 99 TL
Joseph Scheller	3/30/88	EST-201TL + Rest 201TL	D. H. H. H.	1/27/86	EST-201TL + Rest 201TL
ERNEST SCHEIFFER	3/30/88	EST-201TL + Rest 201TL	D. H. H. H.	1/27/86	EST-201TL + Rest 201TL
FARIL MONTAGUE	3/30/88	EST-201TL + Rest 201TL	D. H. H. H.	1/27/86	EST-201TL + Rest 201TL
MARY GATTI	3/30/88	EST- RP 30A + Rest RP 30A	D. H. H. H.	1/27/86	EST- RP 30A + Rest RP 30A
FRED WILLIAMS	3/30/88	EST-201TL + Rest 201TL	D. H. H. H.	1/27/86	EST-201TL + Rest 201TL
GEORGE BRENNER	3/30/88	EST-101TL + Rest 101TL	D. H. H. H.	1/27/86	EST-101TL + Rest 101TL

LOG OF SUPERVISED PROCEDURES
FOR
CARDIOVASCULAR DISEASE TRAINEES

Trainee's Name: Howard Rosner Nuclear Cardiology

Patient Unit No.	Date	Procedure	Patient Unit No.	Date	Procedure
Charles Hickley	4/5/88	Stress 201Tl + Rest 201Tl	John McGowan	4/7/88	Stress Tl 201 + Rest 201Tl
Howard Sandhoff		Stress 201Tl + Rest 201Tl	Marion Koryas		Dipyrid. Tl + Rest 201Tl
Sydney Jordan		Stress Tl + Rest 201Tl	Michael Belman		Stress 201Tl + Rest 201Tl
Richard Erbeich		Dipyrid. mobile 201Tl + Rest 201Tl	Robert Fenberg		Stress 201Tl + Rest 201Tl
William Gallagher		Stress 201Tl + Rest 201Tl	Vincent Vende		RP 201A Stress + Rest Rf 201A
Howard Melman		Stress 201Tl + Rest 201Tl	John Farley		Stress 201Tl + Rest 201Tl
Vincent Vende		Stress 201Tl + Rest 201Tl	Alice Copeland	4/8/88	1st pass Tc 99 RUA
Dorcas Manda	4/6/88	Stress 201Tl + Rest 201Tl	Margaret Miller		1st pass Tc 99 A
Rockworth McNeil		Stress 201Tl + Rest 201Tl	Leslie Wang		1st pass Tc 99 RUA
Dorsey Smith		Stress 201Tl + Rest 201Tl	Janis Yarker		1st pass Tc 99 RUA
Brian Markel		Stress 201Tl + Rest 201Tl	John Farley		1st pass Tc 99 RUA
Genevieve Mayce		Stress 201Tl + Rest 201Tl	Paul Robinson		1st pass Tc 99 RUA
Stephen Kay		Stress 201Tl + Rest 201Tl	Coriea Davis		1st pass Tc 99 RUA
Nelene Forlman		Stress 201Tl + Rest 201Tl	Belle		1st pass Tc 99 RUA
Delphine Debra		Stress 201Tl + Rest 201Tl	Mirella Foster		Stress 201Tl + Rest 201Tl
John Cavanaugh		Rest Tc 99, pas	North Shaver		Stress 201Tl + Rest 201Tl
Albert Balkins		Rest 99Tc 99 pas	Noel Perloff		Stress 201Tl + Rest 201Tl
Johanne Pratt		Rest 99Tc 99 pas	Morton Shedd		Stress 201Tl + Rest 201Tl
Yvonne Montgomery		Rest Tc 99, pas	William Temple		Stress 201Tl + Rest 201Tl
Myford McNew	4/7/88	Rest Tc 99, pas	Stanford Engel		Stress 201Tl + Rest 201Tl

LOG OF SUPERVISED PROCEDURES
FOR
CARDIOVASCULAR DISEASE TRAINEES

Trainee's Name:

Howard Rosner Nuclear Cardiology

Patient Unit No.	Date	Procedure	Patient Unit No.	Date	Procedure
Henry Steelman	4/11/88	Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Catherine Locke	4/13/88	Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Bruce Wexler		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Edmund Haffner		Stress RP 30-A + Rest RP 30-A
Peter Ballarino		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Mary Gatti		Rest ⁹⁹ Tc FP
Herbert Keller		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Kathryn Telbay		Rest ⁹⁹ Tc FP
Donald Hines		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Delores Gibson		Rest ⁹⁹ Tc FP
Robert Butler	4/12/88	Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	James Farris	4/14/88	Technetium RPP scan
Richard Uhl		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Miriam Willey		Tc ⁹⁹ VEST 3 HOUR imbs. EF
Edna Adler		Dipy. ²⁰¹ Tl + Rest ²⁰¹ Tl	Edward Hamilton		⁹⁹ Tc Rest FP
Gertrude Mann		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Thomas Wilber	4/17/88	⁹⁹ Tc Rest FP
James Burke		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Harry Soskin	4/17/88	Dipy. ²⁰¹ Tl + Rest ²⁰¹ Tl
Howard Dorvin		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Lucina Bernstein		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Charles Albertello		Rest Tc ⁹⁹ FP	Janice Stith		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Albert Garner		Rest ⁹⁹ Tc FP	Bryce Carter		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Edmund Haffner		Rest ⁹⁹ Tc FP	Vincent Kerner		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
James Nolan	4/13/88	Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Catherine Locke		Stress RP 30-A + Rest RP 30-A
Earline Hawkins		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Doris Carpenter		Dipy. ²⁰¹ Tl + Rest ²⁰¹ Tl
Erna Mann		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Joseph Gentry	4/15/88	Dipy. ²⁰¹ Tl + Rest ²⁰¹ Tl
Richard Coffee		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Alma Simpson		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Cassie Bennett		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	William Klein		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Howard Milman		Stress RP 30-A + Rest RP 30-A	Justine Simpson		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl

LOG OF SUPERVISED PROCEDURES FOR CARDIOVASCULAR DISEASE TRAINEES

Trainee's Name: Harriet Rosen Nuclear Cardiology

Patient Unit No.	Date	Procedure	Patient Unit No.	Date	Procedure
William Anderson	4/15/88	Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Martin Brown	4/20/88	Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Atkins, Max		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Frank Callo		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Allen, Bill	4/18/88	Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Markus Kussner		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Rocky V. Stelen		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Michael Freeman		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Zabelle Messall		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Galen Sebecker		MUGA ⁹⁹ Tc Rest
Janis Robinson		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Differa Johnson		Rest ⁹⁹ Tc FP
Carino Tagliaro		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Howard Kaman	4/24/88	Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Donald Davis Lynch		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	William Owens		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Barney Fann		FP RNA Tc99	Joseph Kussner		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Doris Carpenter		VEST MUGA ⁹⁹ Tc	Archie Benedict		Dipyrindole ¹¹¹ In + Rest ²⁰¹ Tl
Edna Holland	4/19/88	MUGA Tc99	Ida Stein		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Harvey Friedman		Rest RNA ⁹⁹ Tc	Thomas Kates		VEST 30 ⁹⁹ Tc Study
Chloe Chason		MUGA Tc99	Stephanie Jackson		MUGA ⁹⁹ Tc
William Wiley		VEST MUGA Tc99	Gold Falcone		RNA ⁹⁹ Tc Rest
Horizon Toms		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Robert Kuntell	4/22/88	Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Anthony Pizzo		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Carman Martos		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Edmond Lagone		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Marlene Feuerstein		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Jeffrey Mandery		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Jan Cecchelletti		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Donald Weinstein		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl	Edward Robinson		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl
Stephane Jackson	4/20/88	Dipyr. ¹¹¹ In + Rest ²⁰¹ Tl	Mary Dence		Stress ²⁰¹ Tl + Rest ²⁰¹ Tl

LOG OF SUPERVISED PROCEDURES
FOR
CARDIOVASCULAR DISEASE TRAINEES

Trainee's Name: *Howard Roemer Nuclear Cardiology*

Patient Unit No.	Date	Procedure	Patient Unit No.	Date	Procedure
<i>Edward Claman</i>	<i>4/24/88</i>	<i>MUGA 97Tc</i>	<i>Charlotte Felder</i>	<i>4/26/88</i>	<i>Stress 201Tl + Rest 201Tl</i>
<i>Anna Devenobbi</i>		<i>VEST 97Tc</i>	<i>Maxine Brown</i>		<i>RNAFP 97Tc</i>
<i>Mitchell Johnson</i>		<i>105 FP 97Tc</i>	<i>Everett Jones</i>		<i>RNAFP 97Tc</i>
<i>John Farley</i>		<i>105 FP 97Tc</i>	<i>Keya Limber</i>	<i>4/27/88</i>	<i>Stress 201Tl + Rest 201Tl</i>
<i>Benjamin Winkle</i>	<i>4/25/88</i>	<i>MUGA 97Tc</i>	<i>Lowthly Hughes</i>		<i>Stress 201Tl + Rest 201Tl</i>
<i>Annie Blair</i>		<i>VEST 97Tc</i>	<i>Alpert D'Antonio</i>		<i>Stress 201Tl + Rest 201Tl</i>
<i>Elizabeth Brett</i>		<i>MUGA 97Tc</i>	<i>David Williams</i>		<i>Stress 201Tl + Rest 201Tl</i>
<i>Richard Eames</i>		<i>RNAFP 97Tc FP</i>	<i>Bernard Lee</i>		<i>Stress 201Tl + Rest 201Tl</i>
<i>Joseph Wagner</i>		<i>Stress 201Tl + Rest 201Tl</i>	<i>Joseph Pines</i>		<i>Stress 201Tl + Rest 201Tl</i>
<i>Edward Lombardi</i>		<i>Stress 201Tl + Rest 201Tl</i>	<i>Charlotte Felder</i>		<i>Stress 201Tl + Rest 201Tl</i>
<i>Richard Eames</i>		<i>Dipyrid 201Tl + Rest 201Tl</i>	<i>Head Douglas</i>		<i>Stress 201Tl + Rest 201Tl</i>
<i>John Cecheletti</i>		<i>RP30A: Stress + Rest RP</i>	<i>John Baul</i>		<i>MUGA 97Tc</i>
<i>Alma Wolf</i>		<i>Stress 201Tl + Rest 201Tl</i>	<i>Sol Novack</i>		<i>MUGA VEST 97Tc</i>
<i>Carrie White</i>		<i>Stress 201Tl + Rest 201Tl</i>	<i>James Vankar</i>		<i>Rest 97Tc FP</i>
<i>Kathleen Taylor</i>		<i>Bike 201Tl + Rest 201Tl</i>	<i>Ignacia Gilgore</i>		<i>Rest 97Tc FP</i>
<i>Mary Deak</i>		<i>Rest RP30A + Stress RP30A</i>	<i>Marlyn Bay</i>	<i>4/28/88</i>	<i>MUGA 97Tc</i>
<i>Daphnie Davis</i>	<i>4/26/88</i>	<i>Stress 201Tl + Rest 201Tl</i>	<i>Lowthly Hughes</i>		<i>Stress 201Tl + Rest 201Tl</i>
<i>Wayne Harding</i>		<i>Stress 201Tl + Rest 201Tl</i>	<i>George Lane</i>		<i>Stress 201Tl + Rest 201Tl</i>
<i>Alex Hartell</i>		<i>Stress 201Tl + Rest 201Tl</i>	<i>Joseph Logkinis</i>		<i>Stress 201Tl + Rest 201Tl</i>
<i>Marion Ewing</i>		<i>Stress 201Tl + Rest 201Tl</i>	<i>William Hollins</i>		<i>Stress 201Tl + Rest 201Tl</i>

LOG OF SUPERVISED PROCEDURES FOR CARDIOVASCULAR DISEASE TRAINEES

Trainee's Name: David S. Green Nuclear Cardiology

Patient Unit No.	Date	Procedure	Patient Unit No.	Date	Procedure
Esteban Eschaghi	4/2/88	MUGA Tc 99 VEST	Frank Karva	2/19/88	APRA 201 Tc + heart 201 Tc
Jules Mena		Rest Tc 99 Tc	Joseph Lohr		APRA 201 Tc + heart 201 Tc
Thomas Kater		Rest Tc 99 Tc	K. A. Jander		APRA 201 Tc + heart 201 Tc
Shel Claver		MUGA Tc 99	John Hochstetler		APRA 201 Tc + heart 201 Tc
Leslie Swanson		MUGA Tc 99	Theresa Smith		R. S. EP 99 Tc
Harsh Bakh	4/27/88	APRA 201 Tc + heart 201 Tc	Debra Johnson		R. S. EP 99 Tc
Estere Lewis		Dipyrid 201 Tc + heart 201 Tc	Debra L. Hill		Vis. T. 201 Tc
Harry Karandis		Dipyrid 201 Tc + heart 201 Tc	David Hagedorn		Rest + 99 Tc
Phyllis Thompson		APRA 201 Tc + heart 201 Tc	Nancy Anderson		R. S. EP 99 Tc
Dave Nagel		APRA 201 Tc + heart 201 Tc	Nancy Anderson	5/11/88	APRA 201 Tc + heart 201 Tc
Paul Adams		Rest Tc 99 Tc	James Lawrence		APRA 201 Tc + heart 201 Tc
Michael Soble		Rest Tc 99 Tc	James Muelch		APRA 201 Tc + heart 201 Tc
Paul Mueck		Rest Tc 99 Tc	William Brown		APRA 201 Tc + heart 201 Tc
Michael P. Davis		Rest Tc 99 Tc	Forrest Johnson		APRA 201 Tc + heart 201 Tc
Robert Soble		Rest Tc 99 Tc	Pauline White		APRA 201 Tc + heart 201 Tc
William Smith		Rest Tc 99 Tc	William Seibert		APRA 201 Tc + heart 201 Tc
William Brown		Rest Tc 99 Tc	James Lawrence		Rest + 99 Tc
Alan Lane	5/1/88	APRA 201 Tc + heart 201 Tc	John P. Johnson		Rest + 99 Tc
George Gutierrez		APRA 201 Tc + heart 201 Tc	George Johnson	5/11/88	APRA 201 Tc + heart 201 Tc
May Johnson		APRA 201 Tc + heart 201 Tc	William Seibert		APRA 201 Tc + heart 201 Tc

LOG OF SUPERVISED PROCEDURES
FOR
CARDIOVASCULAR DISEASE TRAINEES

Trainee's Name: *Richard V. E.*

Patient Unit No.	Date	Procedure	Patient Unit No.	Date	Procedure
1001	5/14/88	Stress test + Rest	1001	5/14/88	Stress test + Rest
1002		Stress test + Rest	1002		Stress test + Rest
1003		Stress test + Rest	1003		Stress test + Rest
1004		Stress test + Rest	1004		Stress test + Rest
1005		Stress test + Rest	1005		Stress test + Rest
1006		Stress test + Rest	1006		Stress test + Rest
1007		Stress test + Rest	1007		Stress test + Rest
1008		Stress test + Rest	1008		Stress test + Rest
1009		Stress test + Rest	1009		Stress test + Rest
1010		Stress test + Rest	1010		Stress test + Rest
1011		Stress test + Rest	1011		Stress test + Rest
1012		Stress test + Rest	1012		Stress test + Rest
1013		Stress test + Rest	1013		Stress test + Rest
1014		Stress test + Rest	1014		Stress test + Rest
1015		Stress test + Rest	1015		Stress test + Rest
1016		Stress test + Rest	1016		Stress test + Rest
1017		Stress test + Rest	1017		Stress test + Rest
1018		Stress test + Rest	1018		Stress test + Rest
1019		Stress test + Rest	1019		Stress test + Rest
1020		Stress test + Rest	1020		Stress test + Rest

Richard V. E.
10/1/88

None recorded

CURRICULUM VITAE

HOWARD M. ROGNER, D.O.

HOME ADDRESS: 7403 Hill Road
Philadelphia, PA 19128
(215) 483-7513

OFFICE ADDRESS: 201 N. 8th Street, Suite 202
Philadelphia, PA 19106
(215) 238-2311

BIRTH DATE: December 26, 1958
Philadelphia, PA

SOCIAL SECURITY NUMBER: 194-46-1792

EDUCATION: Lower Merion High School
Ardmore, PA 1973-1976

Franklin & Marshall College
B.A. Degree 1976-1980

MEDICAL EDUCATION: Philadelphia College of Osteopathic Medicine
4150 City Avenue
Philadelphia, PA 19133
Medicine 1980-1984, Doctor of Osteopathy

INTERNSHIP: Metropolitan Hospital, Central Division
201 N. 8th Street
Philadelphia, PA 19106 1984-1985

RESIDENCY: Metropolitan Hospital, Central Division
201 N. 8th Street
Philadelphia, PA 19106
Internal Medicine PGY2, PGY3 1985-1987

FELLOWSHIP: Metropolitan Hospital, Central Division
201 N. 8th Street
Philadelphia, PA 19106
Cardiology PGY4 1987 to 6/30/89

POSITIONS: Chief Intern 1984 Metropolitan/Central

Chief Medical Resident 1986 Metropolitan/Central

ORGANIZATIONS: American Osteopathic Medical Association
Memberships National Honor Society of Social Sciences
American College of Osteopathic Internists
America Association of Cardiovascular Rehabilitation
American College of Chest Physicians/Affiliate
American College of Cardiologist/Affiliate
American Society of Echocardiography
Charter Member of Metropolitan Alumni Association

ARTICLES:

Rosner, L. & Rosner, H.M.: The Dilemma of Treating the Terminally Ill Patient
Osteopathic Annals, 33:244, 1985

Rosner, H.M. & Rosner, M.L.: Non-Invasive Hemodialysis Fistula, *THE JOURNAL OF VASCULAR TECHNOLOGY*, XI:93, 1987

Rosner, H.M. & Rosner, M.L.: Predictive Value of Duplex Spectral Analysis of Native Vessel Suitability for Hemodialysis access: A CASE REPORT: September, 1987

Rosner, H.M. & Rosner, M.L.: Pericardial Amyloidosis associated with Systemic Lupus Erythematosus, *OSTEOPATHIC MEDICAL NEWS*, September 1988

Rosner, H.M.: M.A.T.H. Study Program; Anti-hypertensive and Metabolic Effects of Nifedipine Gastrointestinal Therapeutic System in Essential Hypertension: *THE AMERICAN SOCIETY OF HYPERTENSION* 1989

HONORS:

William Kephardt Award for Social Sciences - 1980

Osteopathic Manipulative Therapy Honors in Intern Class 1984-85

Honorable Mention Resident Award for Research essay in the American College of Osteopathic Internists 1985-86

Second Place Residents Award for Research Essay in the American College of Osteopathic Internists 1986-87

MAJOR RESEARCH INTEREST:

"MATH" Study - Modern Approach to Hypertension
Pfizer Laboratories - Co-Investigator, 1988

AFFILIATIONS:

St. Agnes Medical Center-1900 S. Broad Street
Metropolitan-Central-201 N. 8th St.,
PCOM-4150 City Avenue,
Graduate Hospital-One Graduate Plaza, Pending
Presbyterian Hospital (PUMPC)39th & Market, Pending
Neumann Medical Center-Frankford Ave.&Palmer St.
Roxborough Memorial-5800 Ridge Ave. - Pending
St. Joseph's Hospital-16th & Girard Ave.-
Northeastern Hospital-Tulip & Allegheny - Pending

111748

OFFICIAL RECORD COPY JULIA

12-8-89

M3-10
12-19-89

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 02120
STATUS CODE: 0
FEE CATEGORY: 7C
EXP. DATE: 19900531
FEE COMMENTS:

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: METROPOLITAN HOSPITAL
RECEIVED DATE: 891208
DOCKET NO: 3003043
CONTROL NO.: 111748
LICENSE NO.: 37-04871-01
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: \$120.00
CHECK NO.: 559189

3. COMMENTS

SIGNED *SMW*
DATE 12-19-89

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 1-1)

1. FEE CATEGORY AND AMOUNT: 7C \$120

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:

AMENDMENT -----
RENEWAL -----
LICENSE -----

3. OTHER -----

SIGNED *ek*
DATE 12/27/89