



# Milford-Whitinsville Regional Hospital

MILFORD, MASS.

030-09457

An Affiliate of **HCA** Hospital Corporation of America

A Subsidiary of **MWRH** Corporation

December 20, 1988

Josephine M. Piccone, Ph.D.  
Division of Radiation Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Region 1 Office  
631 Park Avenue  
King of Prussia, PA. 19406

Dear Ms. Piccone,

In compliance with N.R.C. Regulations, please amend our license as follows:

License # 2015613-01  
Docket # 030-09457

- Item #1: Change in Radiation Safety Officer:  
Peter D. Gross, M.D. will now take over the duties of R.S.O.
- Item #2: Under individual users add Brian Lee Coolbaugh, M.D.  
Attached is a copy of the license under which he is currently approved for authorized use and supervision of radioactive materials.
- Item #3: Under individual users add Eugenio L. Suran, M.D.  
Attached are the necessary completed application forms (Supplements A & B) for N.R.C. authorization for use and supervision of radioactive materials.

I trust this information is complete. Please advise if anything further.

Sincerely,  
*Francis Saba*  
Francis Saba  
Vice President

ECS/al  
Enclosures

900209033B B90224  
REG1 LIC30 PDR  
20-15613-01

Log here - is	900-1
Remitter	
Check No.	16970
Amount	120
Fee Category	TC
Type of Fee	AMD
Date Check Rec'd.	2/6/89
Date Completed	2/4/89
By:	A. Esposito

110102

OFFICIAL RECORD COPY ML 10

JAN 06 1989

TRAINING AND EXPERIENCE  
AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER Eugenio L. Suran, M.D.	2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE MA 40728
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3. CERTIFICATION

SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C
Diagnostic Radiology		June, 1980

4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES

FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	TYPE AND LENGTH OF TRAINING	
		LECTURE/ LABORATORY COURSES (Hours) C	SUPERVISED LABORATORY EXPERIENCE (Hours) D
a. RADIATION PHYSICS AND INSTRUMENTATION		20	-
b. RADIATION PROTECTION		5	-
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY		5	-
d. RADIATION BIOLOGY		5	-
e. RADIOPHARMACEUTICAL CHEMISTRY		2	-

5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Tc-99m	25 mCi	BCH	3 to 6 months	Medical Diagnostic
I-131	100 mCi	"	"	"
I-123	1 mCi	"	"	"
In-111	500 uCi	"	"	"

PRECEPTOR STATEMENT

Supplement B must be completed by the applicant physician's preceptor. If more than one preceptor is necessary to document experience, obtain a separate statement from each.

1. APPLICANT PHYSICIAN'S NAME AND ADDRESS			<b>KEY TO COLUMN C</b> <b>PERSONAL PARTICIPATION SHOULD CONSIST OF:</b> 1-Supervised examination of patients to determine the suitability for radioisotope diagnosis and/or treatment and recommendation for prescribed dosage. 2-Collaboration in dose calibration and actual administration of dose to the patient including calculation of the radiation dose, related measurements and plotting of data. 3-Adequate period of training to enable physician to manage radioactive patients and follow patients through diagnosis and/or course of treatment.
FULL NAME			
Eugenio L. Suran, M.D.			
STREET ADDRESS			
30 Dartmouth Drive			
CITY	STATE	ZIP CODE	
Framingham	MA	01701	

2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN

ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheets.) D
I-131 or I-125	DIAGNOSIS OF THYROID FUNCTION	200	
	DETERMINATION OF BLOOD AND BLOOD PLASMA VOLUME	0	
	LIVER FUNCTION STUDIES	0	
	FAT ABSORPTION STUDIES	0	
	KIDNEY FUNCTION STUDIES	0	
	IN VITRO STUDIES	0	
OTHER			
I-125	DETECTION OF THROMBOSIS	5	
I-131	THYROID IMAGING	5	
P-32	EYE TUMOR LOCALIZATION	-	
Sr-75	PANCREAS IMAGING	-	
Yb-169	CISTERNOGRAPHY	5	
Xe-133	BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES	10	
OTHER			
Tc-99m	BRAIN IMAGING	50	
	CARDIAC IMAGING	100	
	THYROID IMAGING	200	
	SALIVARY GLAND IMAGING	10	
	BLOOD POOL IMAGING	150	
	PLACENTA LOCALIZATION	0	
	LIVER AND SPLEEN IMAGING	200	
	LUNG IMAGING	250	
BONE IMAGING	400		
OTHER			



**PRECEPTOR STATEMENT (Continued)**

**2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN (Continued)**

ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheets.) D
P-32 (Sodium)	TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA, AND BONE METASTASES	0	
P-32 (Colloid)	INTRACAVITARY TREATMENT	0	
I-131	TREATMENT OF THYROID CARCINOMA	3	
	TREATMENT OF HYPERTHYROIDISM	15	
Au-198	INTRACAVITARY TREATMENT	0	
Co-60 or Cs-137	INTERSTITIAL TREATMENT	0	
	INTRACAVITARY TREATMENT	0	
I-125 or Ir-192	INTERSTITIAL TREATMENT	0	
	TELE THERAPY TREATMENT	0	
Sr-90	TREATMENT OF EYE DISEASE	0	
	RADIOPHARMACEUTICAL PREPARATION	0	
Mo-99/ Tc-99m	GENERATOR	3	
Sn-113/ In-113m	GENERATOR	0	
Tc-99m	REAGENT KITS	20	
Other			

**3. DATES AND TOTAL NUMBER OF HOURS RECEIVED IN CLINICAL RADIOISOTOPE TRAINING**  
 7/1/76 to 6/30/79 ~ 3 months in Clinical Radioisotope Training

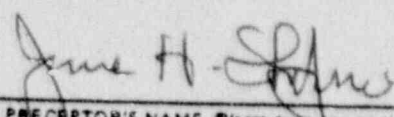
**4. THE TRAINING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF:**

a. NAME OF SUPERVISOR  
Victor W. Lee, M.D.

b. NAME OF INSTITUTION  
Boston City Hospital

c. MAILING ADDRESS  
818 Harrison Avenue

d. CITY  
Boston, MA 02118

**6. PRECEPTOR'S SIGNATURE**  


**7. PRECEPTOR'S NAME (Please type or print)**  
 Jerome H. Shapiro, M.D.

**8. DATE**  
 October 31, 1988

**5. MATERIALS LICENSE NUMBER(S)**  
 20-00275-08

**MATERIALS LICENSE**

**Amendment No. 16**

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, 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. Sturdy Memorial Hospital  
Radioisotope Service
2. 211 Park Street  
Attleboro, Massachusetts 02703

In accordance with application dated July 7, 1987,  
3. License number 20-09021-03 is amended in its entirety to read as follows:

4. Expiration date April 30, 1990

5. Docket or Reference No. 030-01905

6. Byproduct, source, and/or special nuclear material

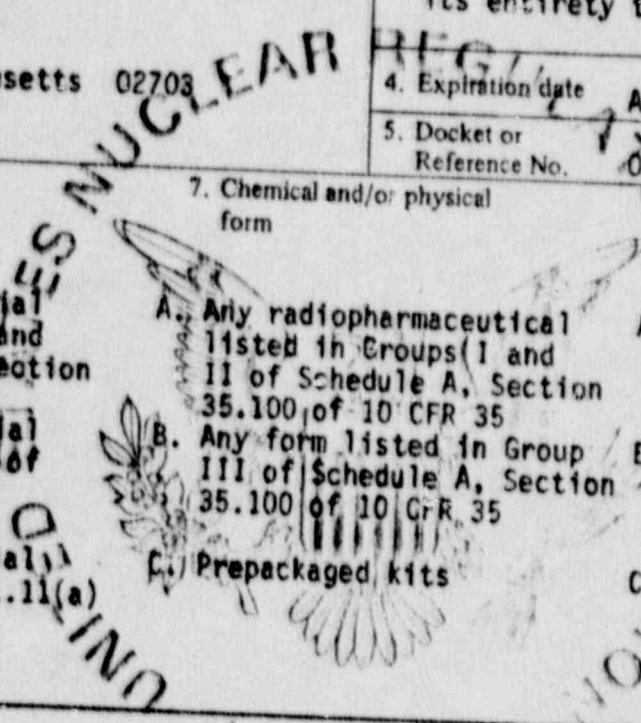
7. Chemical and/or physical form

8. Maximum amount that licensee may possess at any one time under this license

- A. Any byproduct material listed in Groups I and II of Schedule A, Section 35.100 of 10 CFR 35
- B. Any byproduct material listed in Group III of Schedule A, Section 35.100 of 10 CFR 35
- C. Any byproduct material listed in Section 31.11(a) of 10 CFR 31

- A. Any radiopharmaceutical listed in Groups I and II of Schedule A, Section 35.100 of 10 CFR 35
- B. Any form listed in Group III of Schedule A, Section 35.100 of 10 CFR 35
- C. Prepackaged kits

- A. As necessary for uses authorized in Subitem 9.A.
- B. 2 curies of each byproduct material authorized in Subitem 6.B.
- C. 3 millicuries of each byproduct material authorized in Subitem 6.C.



9. Authorized use

- A. Any diagnostic procedure listed in Groups I and II of Schedule A, Section 35.100, Title 10, Code of Federal Regulations.
- B. Preparation and use of radiopharmaceuticals for any diagnostic procedure listed in Group III of Schedule A, Section 35.100 of Title 10, Code of Federal Regulations.
- C. In vitro studies.

**CONDITIONS**

10. Licensed material shall be used only at Sturdy Memorial Hospital, 211 Park Street, Attleboro, Massachusetts.
11. Licensed material listed in Item 6 above is authorized for use by, or under the supervision of, the following individual(s) for the materials and uses indicated:

D. Alan Chastanet, M.D.

Groups I, II and III  
In vitro studies

*Handwritten signature and initials:*  
Alan Chastanet, M.D.  
08/08/88

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

PAGE	OF	PAGES
License number	20-09021-03	
Docket or Reference number	030-01905	
Amendment No. 16		

(11. continued)

CONDITIONS

- |                           |  |
|---------------------------|--|
| Christian Khung, M.D.     | Groups I, II and III<br><u>In vitro</u> studies  |
| George Lauro, M.D.        | Groups I, II and III<br><u>In vitro</u> studies  |
| Malcolm Labell, M.D.      | Groups I, II and III<br><u>In vitro</u> studies  |
| Joseph L. DiCola, M.D.    | Technetium 99m radiopharmaceuticals<br>in Groups II and III for cardiac<br>imaging and diagnosis of cardiac function |
| Ronald H. Cohen, M.D.     | Groups I, II and III<br><u>In vitro</u> studies  |
| Brian Lee Coolbaugh, M.D. | Groups I, II and III<br><u>In vitro</u> studies  |
12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders or detector cells by the licensee.
13. The licensee is authorized to hold radioactive material with a physical half-life of less than 65 days for decay-in-storage before disposal in ordinary trash provided:
- A. Radioactive waste to be disposed of in this manner shall be held for decay a minimum of 10 half-lives.
  - B. Before disposal as normal waste, radioactive waste shall be surveyed to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
  - C. Generator columns shall be segregated so that they may be monitored separately to ensure decay to background levels prior to disposal.
14. For a period not to exceed 60 days in any calendar year, a visiting physician is authorized to use licensed material for human use under the terms of this license, provided the visiting physician:
- A. Has the prior written permission of the hospital's Administrator and Radiation Safety Committee, and
  - B. Is specifically named as a user on a Nuclear Regulatory Commission license authorizing human use, and
  - C. Performs only those procedures which the physician is specifically authorized to perform pursuant to a license issued by the Nuclear Regulatory Commission.



MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number

20-09021-03

Docket or Reference number

030-01905

Amendment No. 16

(14. continued)

CONDITIONS

The licensee shall maintain for inspection by the Commission copies of the written permission specified in A. above and of the license(s) specified in B. and C. above for a period of 5 years from the date permission is granted under A. above.

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. The 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 January 26, 1979
- B. Application dated October 23, 1984
- C. Letter dated March 14, 1985
- D. Letter dated March 27, 1985



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06 JAN 1989

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For the U.S. Nuclear Regulatory Commission

05 AUG 1987

By Thomas K. Thompson  
 Nuclear Materials Safety and  
 Safeguards Branch, Region I  
 King of Prussia, Pennsylvania 19406

MS-10  
1-14-89

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: 19910228  
: FEE COMMENTS: .....  
:.....

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: MILFORD-WHITINSVILLE REGIONAL HOSP.  
RECEIVED DATE: 890106  
DOCKET NO: 3009457  
CONTROL NO.: 110102  
LICENSE NO.: 20-15613-01  
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: \$120.00  
CHECK NO.: 16710

3. COMMENTS

SIGNED EMW  
DATE 1-14-89

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 1/11)

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

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

AMENDMENT ✓  
RENEWAL \_\_\_\_\_  
LICENSE \_\_\_\_\_

3. OTHER \_\_\_\_\_

SIGNED A. Kimberley  
DATE 1/14/89

PA 1/19