

MATERIALS LICENSE

Amendment No. 20

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

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Licensee

In accordance with the letter dated

July 22, 1996,

3. License Number 20-13486-01 is amended in its entirety to read as follows:

1. Deaconess Waltham Hospital

2. Hope Avenue
Waltham, Massachusetts 02154

4. Expiration Date June 30, 2002

5. Docket or
Reference No. 030-019656. Byproduct, Source, and/or
Special Nuclear Material7. Chemical and/or Physical
Form8. Maximum Amount that Licensee
May Possess at Any One Time
Under This LicenseA. Any byproduct material
identified in 10 CFR
35.100A. Any radiopharmaceutical
identified in 10 CFR
35.100

A. As needed

B. Any byproduct material
identified in 10 CFR
35.200B. Any radiopharmaceutical
identified in 10 CFR
35.200

B. As needed

C. Strontium 89

C. As identified in 10 CFR
35.300

C. 300 millicuries

D. Any byproduct material
identified in 10 CFR 31.11

D. Prepackaged Kits

D. 5 millicuries

9. Authorized use

A. Any uptake, dilution and excretion procedure approved in 10 CFR 35.100.

B. Any imaging and localization procedure approved in 10 CFR 35.200.

C. Any radiopharmaceutical procedure approved in 10 CFR 35.300.

D. In vitro studies.

CONDITIONS

10. Licensed material may be used only at the licensee's facilities located at Hope Avenue, Waltham, Massachusetts.

11. The Radiation Safety Officer for this license is Eric J. Sax, M.D.

12. Licensed material listed in Item 6 above is only authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated:

Authorized UsersMaterial and Use

Thomas A. LaMattina, M.D.

35.200 for cardiovascular clinical procedures

James J. Daly, M.D.

In vitro studies

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

20-13486-01

Docket or Reference Number

030-01965

Amendment No. 20

Stuart Berman, M.D.	35.100; 35.200 Strontium 89 for radiopharmaceutical procedures approved in 35.300.
Linda Salzman, M.D.	35.200
Susan Peltz, M.D.	35.100; 35.200 <u>In vitro</u> studies
Rifat Dweik, M.D.	35.200 for cardiovascular clinical procedures
Eric J. Sax, M.D.	35.100; 35.200 <u>In vitro</u> studies

13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material so that at no time is a quantity of radioactive material possessed in excess of a quantity which requires decommissioning funding in accordance with 10 CFR 30.35(d), 10 CFR 40.36(b), or 10 CFR 70.25(d).
14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. 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 June 27, 1991
 - B. Letter dated March 3, 1992
 - C. Letter dated June 8, 1992
 - D. Letter dated July 22, 1996

For the U.S. Nuclear Regulatory Commission

Date SEP 26 1996

ORIGINAL SIGNED BY:
JO ANN V. STAMBAUGH

By _____
Nuclear Materials Safety Branch
Region I
King of Prussia, Pennsylvania 19406

SEP 26 1996

Ms. Jeanette Clough
President & Chief Executive Office
Waltham-Weston Hospital & Medical Center
Hope Avenue
Waltham, MA 02154

Dear Ms. Clough:

This refers to your license amendment request. Enclosed with this letter is the amended license. Please note that as part of this amendment, in accordance with 10 CFR 30.36, effective February 15, 1996, the expiration date of your license has been extended by a period of five years. Your new expiration date is stated in Item 4 of the license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5093 or 5239, so that we can provide appropriate corrections and answers.

Thank you for your cooperation.

Sincerely,

Original Signed By:

JoAnn V. Stambaugh
Division of Nuclear Materials Safety

License No. 20-13486-01
Docket No. 030-01965
Control No. 123499

Enclosure:
Amendment No. 20

DOCUMENT NAME: R:\WPS\MLTR\L2013486.01

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	N	DNMS/RI				
NAME	Stambaugh/jvs <i>gvs</i>						
DATE	09/26/96 <i>9/26/96</i>	09/	/96	09/	/96	09/	/96

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Deaconess Waltham Hospital

Hope Avenue
Waltham, Massachusetts
02254-9116

Telephone
617.647.6000

Telefax
617.647.6007

030-01965

July 22, 1996

License Number 20-13486-01
Docket Number 030-01965

Ms. JoAnn V. Stambaugh
Division of Nuclear Materials Safety
U. S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

Dear Ms. Stambaugh:

Deaconess Waltham Hospital hereby requests amendment to license number 20-13486-01 to reflect the change in corporate structure due to its recent merger with Deaconess Hospital in Boston and to reflect changes in personnel due to resignation and/or death of named users.

This amendment has been submitted along with the Deaconess Waltham Hospital correspondence related to license 20-13486-02 regarding ownership and change of name of the corporation. Please refer to the correspondence regarding material license 20-13486-02, items 1 (a), (b), (c), (d) for clarification of these issues. All day-to-day activities involving the use of radioactive material remain unchanged, including the hot lab, equipment, technical personnel, and consulting arrangements. Hence this change in corporate structure/affiliation has no significant impact on the way in which this licensed program is conducted.

The first personnel change involves the chairman of the Committee, Robert R. Duhamel who recently passed away. He has been replaced as chairman of the Committee by Linda Salzman, MD, who is currently listed as an authorized user on the license. The second personnel change involves Denton E. MacCarty who has recently resigned as radiation safety officer. He will be replaced by Eric J. Sax, MD, a recent addition to our staff, who has recently completed his radiology/nuclear medicine training at Boston City Hospital and passed his Diagnostic Radiology/Special Nuclear Radiology Competency Boards in November, 1995. A training and experience form is included for Dr. Sax and we request that he be authorized for 35.100, 35.200 and In vitro studies.

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JUL 29 1996

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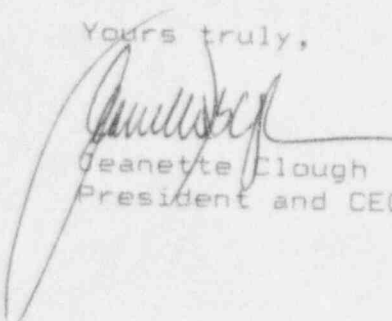
Ms. JoAnn V. Stambaugh
July 22, 1996

In addition, we request the addition of Stuart Berman, MD, who is currently listed on NRC license number 20-05695-02 for 35.100, 35.200, 35.300 and 35.400 to be an authorized user for 35.100, 35.200, and 35.300 on this license. We also request the addition of Thomas A. LaMattina, MD, who is currently listed on NRC license number 20-13864-01 as a user for 35.200 cardiovascular clinical procedures for similar coverage on this license.

Deletions from the user list on this license should be Denton E. MacCarty, MD, Robert R. Duchamel, MD, Robin Schwenenthaler, MD, and George Katsas, MD.

Enclosed is a check for \$440 covering this amendment fee under category 7C of 10CFR Part 170. Please contact F.X. Masse at 617-253-9217 if further information is required.

Yours truly,



Jeanette Clough
President and CEO

SUPPLEMENT		U.S. NUCLEAR REGULATORY COMMISSION	
TRAINING AND EXPERIENCE AUTHORIZED USER OR RADIATION SAFETY OFFICER			
1. NAME OF PROPOSED AUTHORIZED USER OR RADIATION SAFETY OFFICER Eric J. Sax, M.D.		2. FOR PHYSICIANS, STATE OR TERRITORY WHERE LICENSED MA	
3. CERTIFICATION			
SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C	
Diagnostic Radiology with special competency in Nuclear Radiology		6/94 11/95	
4. TRAINING RECEIVED IN BASIC RADIONUCLIDE HANDLING TECHNIQUES			
FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	TYPE AND LENGTH OF TRAINING	
		CLOCK HOURS IN LECTURE OR LABORATORY	CLOCK HOURS OF SUPERVISED ON-THE-JOB EXPERIENCE
1. RADIATION PHYSICS AND INSTRUMENTATION	Boston City Hospital 1990-1994 Hahneman University 1983-1984	62 48	1000 0
2. RADIATION PROTECTION	" "	" "	" "
3. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	" "	" "	" "
4. RADIATION BIOLOGY	" "	" "	" "
5. RADIOPHARMACEUTICAL CHEMISTRY	" "	" "	" "
5. EXPERIENCE WITH RADIATION. (Actual use of Radionuclides or Equivalent Experience)			
ISOTOPE	ACTIVITY USED AT ONE TIME	LOCATION	CLOCK HOURS
I-131	100	University Hospital & Boston City Hospital, Boston, MA	Diagnostic and Therapeutic
Tl-201	9		
Tc-99m	6		
Tl-201	30		
I-131	500uci	Deaconess Waltham Hospital, Waltham, MA	
Xe-133	300uci		
Mo-99	10mci		

SUPPLEMENT A
APPLICATION FOR RADIOACTIVE MATERIAL LICENSE
DEPARTMENT OF PUBLIC HEALTH, RADIATION CONTROL PROGRAM

TRAINING AND EXPERIENCE AUTHORIZED USER OR RADIATION SAFETY OFFICER				
1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER: Eric J. Sax, M. D.			2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE: MA	
3. CERTIFICATION				
SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C		
Diagnostic Radiology with Special Competency in Nuclear Radiology		6/94 11/95		
4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES				
FIELD OF TRAINING A	LOCATION AND DATES OF TRAINING B	TYPE AND LENGTH OF TRAINING		
		LECTURE/ LABORATORY COURSES (HRS) C	SUPERVISED LABORATORY EXPERIENCE (HRS) D	
a. RADIATION PHYSICS AND INSTRUMENTATION	Boston City Hospital 1990-1994 Hahneman University 1983-1984	62 48	1000 0	
b. RADIATION PROTECTION	"	"	"	
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	"	"	"	
d. RADIATION BIOLOGY	"	"	"	
e. RADIOPHARMACEUTICAL CHEMISTRY	"	"	"	
5. EXPERIENCE WITH RADIATION (Actual use of Radioisotopes)				
ISOTOPE	mCi USED AT ONE TIME	LOCATION	CLOCK HOURS	TYPE OF USE
I131 Ga67 Tl201 Tc99m In111 I123 Xe133 Mo99	100 8 6 30 500uci 300uci 10mCi	University Hospital & Boston City Hospital, Boston, MA Deaconess Waltham Hospital, Waltham, MA		Diagnostic and Therapeutic

BETWEEN:

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: PROGRAM CODE: 02120
: STATUS CODE: 0
: FEE CATEGORY: 7C
: EXP. DATE: 20020630
: FEE COMMENTS: -----
: DECOM FIN ASSUR REQD: N

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A. REGION

Log _____
 Identifier SEACONASS - WARRHAM HUSP. TAR
 Check No. 251384
 Amount \$440
 Fee Category 7C
 Type of Fee AMTD
 Date Check Rec'd 8/6/96
 Date Completed _____
 F. BB