

J. POTTER  
RSS



## St. Francis Hospital

Conducted by the Sisters of St. Joseph  
333 Laidley Street  
P. O. Box 471  
Charleston, West Virginia 25322  
Telephone (304) 348-8500

85 JUL 9 10:19

July 2, 1985

U.S. N.R.C.  
FEE RECEIVED

85 JUL 15 11:01

RECEIVED

United States Nuclear Regulatory Commission  
Region II  
101 Marietta Street, N.W., Suite 2900  
Atlanta, Georgia 30323

Re: NRC License No. 47-17745-01

Gentlemen:

Please amend the above referenced license to include Doctor D. Abramowitz as an authorized user. Dr. Abramowitz is presently licensed in the State of Texas under License No. 6-573. He is authorized for Groups I, II and III, as well as I-131 treatment for thyroid hyperthyroidism and carcinoma. Documentation of licensure for Dr. Abramowitz is enclosed.

This facility, in previous amendment request, wished to change the Radiation Safety Officer from Dr. Martin S. Wershba to Dr. Carl R. Duncan. Training and experience for Dr. Duncan is currently on file under this license. We also attached a revised facility diagram indicating a new location for the decay room. The previous decay room will be used as a stress lab. Upon contacting your office, it is understood that the amendment request was not received, therefore, please include this request in addition to Dr. Abramowitz.

Enclosed is a check for \$120.00 to cover amendment fees. If you have any questions please contact the undersigned.

Sincerely,

*Wilfred Wright*  
Wilfred Wright  
President

8508130421 850730  
REG2 LIC30  
47-17745-01 PDR

WW:ro'c

July 2 - II

Applicant	060 764
Check No.	060 764
Amount, Fee Category	\$120.00 (70)
Type of Fee	Amend
Date Check Rec'd.	7/15/85
Received By	Jacques

#50648  
Rec'd 7/9/85

Official Copy

TEXAS DEPARTMENT OF HEALTH  
RADIOACTIVE MATERIAL LICENSE

Pursuant to the Texas Radiation Control Act and Texas Department of Health regulations on radiation, 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 radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the Texas Department of Health now or hereafter in effect and to any conditions specified below.

LICENSEE			This license issued pursuant to and in accordance with	
1. Name St. Joseph Hospital ATTN: E. A. Elmendorf, M.D. 2. Address 2801 Franciscan Drive Bryan, Texas 77801			<input type="checkbox"/> APPLICATION <input checked="" type="checkbox"/> LETTER <input type="checkbox"/>	
			Dated: May 18, 1979	
			Signed By: E. Elmendorf	
			3. License Number 6-573	Amendment Number 19
			PREVIOUS AMENDMENTS ARE VOID	
			4. Expiration Date June 30, 1982	
RADIOACTIVE MATERIAL AUTHORIZED				
5. Radioisotope A. Any radioactive material listed in Groups I and II of Schedule 41-C, Texas Regulations for Control of Radiation (TRCR)	6. Form of Material A. Any pharmaceutical listed in Groups I and II of Schedule 41-C, TRCR.	7. Maximum Activity* A. As needed for diagnostic purposes.	8. Authorized Use A. For any diagnostic use as specified in Groups I and II, Schedule 41-C, TRCR.	

☒ CONTINUED ON PAGE 2, IF CHECKED.

## CONDITIONS

9. Radioactive material shall be used only at the licensed address as shown in Item 2 above.
10. The licensee shall comply with the provisions of Parts 11, 21, 22, 23 and 41 of the Texas Regulations for Control of Radiation
11. Radioactive material shall be used by Ernest A. Elmendorf, M.D., Gene F. Brossmann, M.D. is authorized all usages of radioactive material authorized by this license except for the therapeutic use of Iodine 131 and Phosphorus 32. Clarence S. Kemp, M.D. is also authorized to use the ~~therapeutic~~ Strontium-90 medical applicator.

\* Ci-Curies      mCi-Millicuries       $\mu$  Ci-MicrocuriesCONDITIONS CONTINUED ON PAGE 2



TEXAS DEPARTMENT OF HEALTH  
RADIOACTIVE MATERIAL LICENSE

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Supplementary Sheet

LICENSE NUMBER	AMENDMENT NUMBER
6-573	19

5. Radio-isotope	6. Form of Material	7. Maximum Activity	8. Authorized Use
B. Any radioactive material listed in Group III of Schedule 41-C, TRCR.	B. Any form listed in Group III of Schedule 41-C, TRCR.	B. Total of all generator activities not to exceed 500 mCi.	B. For preparation and use of radiopharmaceuticals for any diagnostic use specified in Group III of Schedule 41-C, TRCR.
C. I-131	C. Iodide	C. 100 mCi.	C. Treatment of hyperthyroidism and thyroid cancer.
D. P-32	D. Soluble Phosphate	D. 15 mCi.	D. Treatment of polycythemia vera Treatment of leukemia and bone metastases.
E. P-32	E. Colloidal Chromic Phosphate	E. 10 mCi.	E. Intracavitary treatment of malignant effusions, Interstitial treatment of cancer
F. Ra-226	F. Sealed Sources	F. 100 mCi.	F. Treatment of cancer.
G. Sr-90	G. Medical Applicator	G. 100 mCi.	G. Treatment of superficial eye conditions.

CONDITIONS CONTINUED:

12. The individual designated to perform the functions of Radiation Safety Officer for activities covered by this license is Earnest A. Elmendorf, M.D.
13. Sealed sources containing radioactive material shall not be opened.



TEXAS DEPARTMENT OF HEALTH  
RADIOACTIVE MATERIAL LICENSE

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Supplementary Sheet

LICENSE NUMBER	AMENDMENT NUMBER
6-573	19

CONDITIONS CONTINUED:

4. Sealed sources of radioactive material, Nickel 63 foil, and/or plated alpha emitting sources shall be tested for leakage and/or contamination in accordance with the provision of Section 11.7(c) of the Texas Regulations for Control of Radiation.
5. Unless otherwise specified in this license, radiopharmaceuticals to be administered to humans shall be obtained from a licensed nuclear pharmacy or from a supplier who distributes the radiopharmaceuticals under New Drug Applications (NDA's) approved by the U.S. Food and Drug Administration.
6. The licensee shall use a properly calibrated dose calibrator to assay all radiopharmaceuticals that are received by the licensee in multidose quantities or prepared by the licensee from kits and generators.
7. The licensee shall report any irregularities to the Agency associated with identification, labeling, quality or assay of any radiopharmaceutical received under the authority of this license.
8. Patients containing Radium implants shall remain hospitalized until the implants are removed.
9. Patients containing Iodine 131 for the treatment of thyroid carcinoma shall remain hospitalized until the residual activity is 30 millicuries or less.
10. No physician named as an authorized user of radioactive material on this license shall participate in clinical trials under a "Notice of Claimed Investigational Exemption for a New Drug" (IND) unless he has filed a USFDA Form 1573 with the firm sponsoring the studies and has been accepted in writing by the U.S. Food and Drug Administration as a participant in the clinical trials. The participating physicians shall obtain "informed consent" statements from all patients who are administered such IND drugs.
11. Except as specifically provided otherwise by this license, the licensee shall possess and use the radioactive material authorized by this license in accordance with statements, representations, and procedures contained in application dated September 24, 1979, letter dated October 26, 1979 and all correspondence amending the application which results in an amendment to the license.

FOR THE TEXAS DEPARTMENT OF HEALTH

DEC 11 1979

Date \_\_\_\_\_

*Joseph E. Howell*  
Chief Licensing  
Radiation Control Branch



TEXAS DEPARTMENT OF HEALTH  
RADIOACTIVE MATERIAL LICENSE

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Supplementary Sheet

LICENSE NUMBER	AMENDMENT NUMBER
6-573	20

St. Joseph Hospital  
ATTN: E. A. Elmendorf, M.D.  
2801 Franciscan Drive  
Bryan, Texas 77801

In accordance with letter of February 26, 1980, signed by E. A. Elmendorf,  
License No. 6-573 is hereby amended as follows:

To add Part H to Items 5, 6, 7 and 8 to read:

5. Radio- isotope	6. Form of Material	7. Maximum Activity	8. Authorized Use
H. Au-198	H. Seeds	H. 50 mCi.	H. Interstitial treatment of cancer.

To change Condition 19 to read:

19. Patients containing Iodine 131 for the treatment of thyroid carcinoma and patients containing therapeutic quantities of Gold 198 shall remain hospitalized until the residual activity is 30 millicuries or less.

FOR THE TEXAS DEPARTMENT OF HEALTH

MAY 11 1980

Date \_\_\_\_\_

*[Signature]*  
Chief of Licensing  
Radiation Control Branch





# Texas Department of Health

Robert Bernstein, M.D., F.A.C.P.  
Commissioner

A. M. Donnell, Jr., M.D., M.P.H., F.A.C.P.  
Deputy Commissioner

1100 West 49th Street  
Austin, Texas 78756  
(512) 468-7111

## Members of the Board:

Robert D. Moreton, Chairman  
William F. Foran, Vice Chairman  
Rodene M. Bell, Secretary  
Johnnie M. Benson  
H. Eugene Brown  
Sister Bernard Marie Borgmeyer  
Ramiro Casco  
Charles Max Cole  
Francis A. Conley  
Ben M. Durr  
William J. Edwards  
Raymond G. Garrett  
Bob D. Glaze  
Blanchard I. Hollins  
Laurance N. Nickey  
Joe N. Pyle  
Richard W. Kagsdale  
Isadore Roosth

May 11 1980

E. A. Elmendorf, M.D.  
St. Joseph Hospital  
2801 Franciscan Drive  
Bryan, Texas 77801

Dear Dr. Elmendorf:

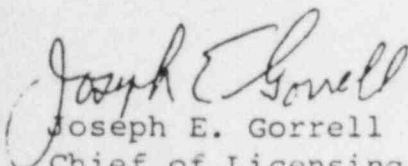
We transmit herewith Radioactive Material License No. 6-573, Am. 20 in response to your application initiated on February 6, 1980.

We request that you carefully read and note the conditions of your license and applicable sections of the Texas Regulations for Control of Radiation. You are expected to comply with the conditions of your license and the Regulations.

We call your attention specifically to Section 21.403 of the Regulations. This section sets forth requirements for telephone and telegraph notification to the Agency in the event of a radiation accident or incident.

If we may be of assistance to you in your radiation safety program, please let us know. For licensing information a member of the licensing staff should be contacted. For information concerning inspection of your facility or for the reporting of accidents or incidents, a member of the compliance staff should be contacted.

Sincerely,

  
Joseph E. Gorrell

Chief of Licensing and Registration  
Radiation Control Branch  
Division of Occupational Health  
and Radiation Control



TEXAS DEPARTMENT OF HEALTH  
RADIOACTIVE MATERIAL LICENSE

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Supplementary Sheet

LICENSE NUMBER	AMENDMENT NUMBER
6-573	21

St. Joseph Hospital  
Attn: E. A. Elmendorf, M.D.  
2801 Franciscan Drive  
Bryan, Texas 77801

In accordance with letter of June 30, 1980, signed by E. Elmendorf, License No. 6-573 is hereby amended as follows:

To change Part H of Items 5, 6, 7 and 8 to read:

5. Radio- isotope	6. Form of Material	7. Maximum Activity	8. Authorized Use
H. Au-198	H. Seeds	H. 200 mCi	H. Interstitial treatment of cancer.

FOR THE TEXAS DEPARTMENT OF HEALTH

Date AUG 14 1980

*[Signature]*  
\_\_\_\_\_  
Chief of Licensing  
Regulatory Control Branch

TEXAS DEPARTMENT OF HEALTH  
RADIOACTIVE MATERIAL LICENSEPage 1 of 1 Pages

Supplementary Sheet

LICENSE NUMBER	AMENDMENT NUMBER
6-573	22

St. Joseph Hospital  
ATTN: E.A. Elmendorf, M.D.  
2801 Franciscan Drive  
Bryan, Texas 77801

In accordance with letter dated March 22, 1982, signed by E.A. Elmendorf, M. D., License No. 6-573 is hereby amended as follows:

To extend the expiration date, Item 4, from June 30, 1982 to June 30, 1987.

To add Condition 22 to read:

22. Radiation survey instruments shall be calibrated at intervals not to exceed 12 months by persons licensed by the Agency, another Agreement State, or by U.S. Nuclear Regulatory Commission.

RS:dcw

FOR THE TEXAS DEPARTMENT OF HEALTH

Date March 29, 1982

A handwritten signature in cursive script, appearing to read "J. R. Shroyer", written over a horizontal line.



TEXAS DEPARTMENT OF HEALTH  
RADIOACTIVE MATERIAL LICENSEPage 1 of 1 Page

Supplementary Sheet

LICENSE NUMBER	AMENDMENT NUMBER
6-573	22

St. Joseph Hospital  
ATTN: E.A. Elmendorf, M.D.  
2801 Franciscan Drive  
Bryan, Texas 77801

In accordance with letter dated June 15, 1982, signed by E.A. Elmendorf, M.D., License No. 6-573 is hereby amended as follows:

To add Parts I, J and K to Items 5, 6, 7 and 8 to read:

5. Radio-isotope	6. Form of Material	7. Maximum Activity	8. Authorized Use
I. Co-57	I. Sealed source	I. 5 mCi	I. Check source.
J. Co-60	J. Sealed source	J. 50 $\mu$ Ci	J. Check source.
K. Cs-137	K. Sealed source	K. 200 $\mu$ Ci	K. Check source.

RS:dcw

FOR THE TEXAS DEPARTMENT OF HEALTH

Date June 22, 1982

A handwritten signature in cursive script, reading "Joseph E. Howell".



TEXAS DEPARTMENT OF HEALTH  
RADIOACTIVE MATERIAL LICENSE

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Supplementary Sheet

LICENSE NUMBER	AMENDMENT NUMBER
6-573	25

Saint Joseph Hospital  
ATTN: E. A. Elmendorf, M.D.  
2801 Franciscan Drive  
Bryan, Texas 77801

In accordance with letters dated December 12, 1984 and January 11, 1985, signed by Sister Gretchen Kunz, Administrator, and letters dated January 23, 1985 and February 5, 1985, signed by Carol J. McDermid, License No. 6-573 is hereby amended as follows:

To change Condition 11 to read:

11. Radioactive material may only be used by the physicians listed below for the uses specified.

- |    |   |  |
|----|---|--|
| A. | E. A. Elmendorf, M.D.<br>G. F. Brossman, M.D. | - All diagnostic and therapeutic uses authorized by the license.                                 |
| B. | C. S. Kemp, M.D.                              | - Strontium 90 medical application for therapy.  |
| C. | D. Abramowitz, M.D.                           | - All diagnostic uses authorized by the license; therapy for hyperthyroidism and thyroid cancer. |
| D. | D. L. Harp, M.D.                              | - All diagnostic uses authorized by the license.   |

JRS:mrh

Date February 28, 1985

FOR THE TEXAS DEPARTMENT OF HEALTH

*Joseph E. Gonnell*

Administrator, Medical and Academic Branch

The back of this page must be signed by the physician's nuclear medicine preceptor.

Name And Address of Applicant Physician	Inclusive Dates Training Received
DAVID AGRAMOWITZ, M.D. 2722 OSLER BLVD. BRYAN TEXAS	MARCH 1983 APRIL - May 1984

### Clinical Training And Experience Of Physician Who Will Use Radioactive Material

[illegible]

### Therapy Procedures

[illegible]

FEB 20 PM

LIB. REGIST. 2.3

Isotope	Type Of Study Or Therapy	Number of Cases Observed *	Number Of Cases Involving Active Participation **
Imaging And Tumor Localization Studies			
Tc-MDP	BONE SCAN	120	80
Tc-HAM	LUNG PERFUSION SCAN	50	40
Tc-HAM	VENOGRAM	40	30
Tc- <del>Pentachetate</del>	BRAIN SCAN	40	30
Tc- <del>Pentachetate</del>	THYROID SCAN	70	50
IN-111-OTPA	CEREBROSPINAL FLUID IMAGING	5	3
Tc-SC	LIVER-SPLEEN	180	100
Tc- <del>DMSA</del> & <del>CH</del>	RENAL MORPHOLOGY IMAGING	15	10
Tc-Pyrophosphate	MYOCARDIAL INFARCTION IMAGING	25	20
Tl-201	CARDIAC SCAN	50	30
I-131-HPPURAN	RENAL	200	70
X-133	VENTILATION SCAN	50	40
Tc-RBC's	MUGA	80	50
Tc-RBC's	BLEEDING LOCALIZATION	10	7
I-131	THYROID SCAN	50	40
I-123	THYROID SCAN	10	6
Tc-OTPA	RENAL	200	70
Ga-67	TUMOR & ABSCESS LOCALIZATION	25	15

\* Observation should consist of observing radioisotope administration techniques and discussion with preceptor of case histories.

\*\* Active participation should include (a) examination of the patient, (b) recommendation of dosage, (c) collaboration in the calibration and administration of the dose, and (d) followup of patient through treatment period.

TOTAL NUMBER OF HOURS OF PARTICIPATION IN CLINICAL TRAINING: 600 HOURS.  
 TOTAL NUMBER OF HOURS OF CLASSROOM AND LABORATORY TRAINING: 250 HOURS.

I CERTIFY THE ABOVE NAMED PHYSICIAN SUCCESSFULLY COMPLETED THE TRAINING AS SPECIFIED ABOVE.

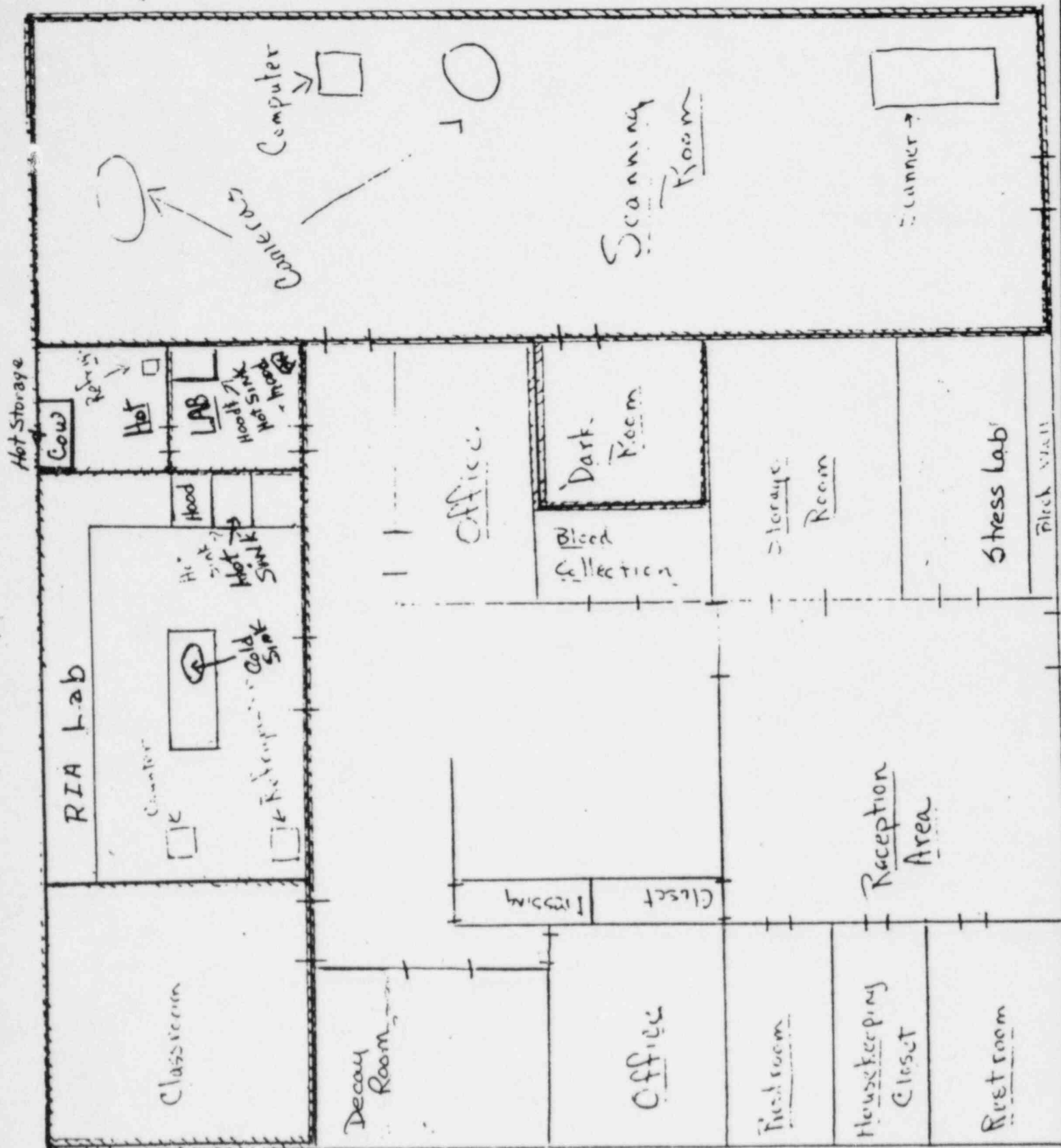
E. Edmund Kim, M.D., AT Univ. of Texas Medical School

Name of physician (preceptor)

Institution

E. Edmund Kim, M.D.

Signature



77H, 1