



Hospital of  
Saint Raphael  
New Haven, Connecticut 06511

October 24, 1985

RECEIVED

85 NOV -4 P12:16

U.S. N.R.C.  
FEE NIGHT BRANCH

United States Nuclear Regulatory Commission,  
Region 1,  
631 Park Avenue,  
King of Prussia, PA. 19406

Attention: Nuclear Materials Section B  
Division of Engineering and Technical Programs

Gentlemen:

We wish to amend our Byproduct Material License  
(License #06-00200-03, Docket #030-01238) to delete Robert  
Shapiro, M.D. as an authorized user. Also, to replace  
Edward V. Kennelly, M.S. as Radiation Safety Officer with  
Stephen M. Kimball, M.S. (Form NRC-313M-Supplement A and  
curriculum vitae enclosed).

We further wish to amend our license to permit possession  
of 10 mCi. of I-131 MIBG (FDA IND #25,493) and 10 mCi. of I-131  
Iodocholesterol (FDA IND #26,357).

These radiopharmaceuticals will be purchased from The  
University of Michigan, Medical Center, Radiopharmacy.

Enclosed is a fee of \$120.00.

Applicant St Raphael Nov 5  
Check No. 057331  
Amount/Fee Category \$120 (75)  
Type of Fee AMD  
Date Check Rec'd 11/4/85

Very truly yours,

*Diana Ballard*

Diana Ballard,  
Vice-President.

Enclosures SR

60 5 11 82 130 503  
RECEIVED-REGION 1

"OFFICIAL RECORD COPY"

8512190051 851115  
REG1 LIC30  
06-00200-03 PDR

ML10 104548

OCT 28 1985

TRAINING AND EXPERIENCE  
AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER

STEPHEN M. KIMBALL, M.S.

2. STATE OR TERRITORY IN  
WHICH LICENSED TO  
PRACTICE MEDICINE

N/A

3. CERTIFICATION

SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C

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	UNIVERSITY OF LOWELL SEPT. 1981 - JUNE 1982	8 SEMESTER HOURS	
b. RADIATION PROTECTION	UNIVERSITY OF LOWELL JAN. 1983 - JUNE 1983	3 SEMESTER HOURS	
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	UNDERGRADUATE MATHEMATICS	12 SEMESTER HOURS	
d. RADIATION BIOLOGY	BROWN UNIVERSITY SEPT. 1982 - JAN. 1983	3 SEMESTER HOURS	
e. RADIOPHARMACEUTICAL CHEMISTRY			

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

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
RA-226	150 mg.	YALE-NEW HAVEN HOSP.	2½ YEARS	BRACHYTHERAPY
CS-137	60 MRE	RHODE ISLAND HOSP.	4 YEARS	BRACHYTHERAPY
CO-60	5000 Ci	RADIATION ONCOLOGY ASSOC.	1 YEAR	TELETERAPY
I-125	30 mCi	OUR LADY OF LOURDES HOSPITAL	2 YEARS	BRACHYTHERAPY
IR-192	225 mCi			
AU-198	80 mCi			
P-32	15 mCi			

STEPHEN M. KIMBALL

ADDRESS: 2 Maclean Place  
Branford, CT 06405

DATE OF BIRTH: August 19, 1943

EDUCATION: M.S. University of Lowell (Radiological Sciences  
& Protection) 1983  
B.A. Rhode Island College (Natural Sciences) 1980  
Certification of Completion, Medical Radiation  
Dosimetry, Yale University School of Medicine/  
Yale New Haven Hospital

CERTIFICATIONS AND ASSOCIATIONS:

Member, American Association of Physicists in Medicine  
Eligible, American Board of Radiology

POSITIONS HELD: Medical Physicist  
Hospital of St. Raphael  
1450 Chapel Street  
New Haven, CT 06511  
August 1985 - Present

Medical Physicist  
Our Lady of Lourdes Memorial Hospital  
169 Riverside Drive  
Binghamton, New York  
August 1983 - July 1985

Medical Physicist  
Radiation Oncology Associates  
790 North Main Street  
Providence, Rhode Island  
August 1981 - July 1983

Consulting Physicist  
St. Joseph Hospital  
North Providence, Rhode Island  
September 1981 - July 1983

Assistant Physicist  
Rhode Island Hospital  
Department of Radiation Therapy  
Providence, Rhode Island  
Sept. 1977 - August 1981

Jr. Physicist/Dosimetrist  
St. Louis University School of Medicine  
Department of Radiation Therapy  
St. Louis, Missouri  
March 1976 - August 1977

POSITIONS HELD (CONTINUED):

Senior Dosimetrist  
Yale-New Haven Hospital  
Department of Radiation Therapy  
New Haven, CT  
December 1975 - February 1976

Staff Dosimetrist  
Yale-New Haven Hospital  
Department of Radiation Therapy  
New Haven, CT  
March 1974 - December 1976

Staff Dosimetrist  
University of California  
Department of Radiation Therapy  
San Francisco, California  
August 1973 - March 1974

In addition to physics duties, I have written  
FORTRAN programs for DEC PDP 8 and PDP 11 computers  
for mathematical modeling and radiation dosimetry.

PUBLICATIONS AND EXHIBITS:

McLafferty, F.W., Bursey, M.D., Kimball, S.M.:  
Skeletal and Hydrogen Rearrangements in Aryl  
Alkyl Ether Ions. J. Am. Chem. Soc. 88 1966.

Reddi, R.P., Mercado, R., Nalesnik, W.J., Kimball,  
S.M.: Early Carcinoma of the Prostate: Management  
with Interstitial Therapy. ASTR 1977.

Mercado, R., Nalesnik, W.J., Kimball, S.M.:  
Linear Accelerator Workshop: Mevatron 12,  
Mevatron 20. ASTR 1977.

Kimball, S.M.: Temperature Dependence of Rare  
Earth Phosphors Using Diagnostic X-rays.  
M.S. Thesis, 1983.

Shearer, D.R., Kimball, S.M.: The Efficiency of  
Rare Earth Phosphors as a Function of Temperature.  
SPIE Conference on Application of Optical  
Instrumentation in Medicine, XII, Medical Image  
Processing, Display, and Archiving. February 1984.

STEPHEN M. KIMBALL  
PAGE 3

PUBLICATIONS AND EXHIBITS: (CONTINUED)

Shearer, D.R., Kimball, S.M.: The Temperature Sensitivity of X-ray Induced Luminescence from Rare Earth Screens. 27th Annual Meeting, American Association of Physicists in Medicine. Aug. 1985.

BEFORE: William D. Miller, Chief  
License Fee Management Branch  
Office of Administration

John E. Glenn, Chief  
Nuclear Materials Section B  
Division of Engineering and  
Technical Programs

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: Hospital of St. Raphael

Application Dated: 10/24/85

Control No.: 104548

License No.: 06-00200-03

2. FEE ATTACHED

Amount: \$ 120.00

Check No.: 057331

3. COMMENTS

02/20 3/88

Signed Brenda Platchek

Date 10/31/85

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: 70 (#120)

2. Correct Fee Paid. Application may be processed for:

Amendment ✓

Renewal \_\_\_\_\_

License \_\_\_\_\_

Signed G Jackson

Date 11/9/85

"SECTION COPY"



Hospital of  
Saint Raphael  
NEW HAVEN, CONNECTICUT 06511

PAY

\*\*\*120.00

TO THE ORDER OF

U.S. NUCLEAR REGULATORY COMMISSION  
REGION 1  
631 PARK AVE.  
KING OF PRUSSIA, PA.

DATE

10/23/85

CHECK AMOUNT

\*\*\*120.00



UNION TRUST COMPANY, NEW HAVEN, CT

Authorized Signature

⑈005733⑈ ⑆01100106⑆ 30 219 020 6⑈

51-10  
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CHECK NO.

057331