



# St. Joseph Health Center

OWNED AND OPERATED BY THE SISTERS OF ST. MARY

May 6, 1987

U. S. Nuclear Regulatory Commission  
Regional Licensing Section  
799 Roosevelt Road  
Glen Ellen, IL 60137

Gentlemen:

Re: License Number 24-15159-01

St. Joseph Health Center, 300 First Capitol Drive, St. Charles, Missouri received a license amendment on January 28, 1987. The cover letter on this license amendment indicated that Dr. Richard Koch was not added as an authorized user on our license.

The letter from the Nuclear Regulatory Commission indicated two items needed completing prior to approval. The first item related to Item 5 of NRC Form 313M. We have completed this item. The completed Supplement A for Dr. Koch is attached.

The second item related to the number of clinical hours Dr. Koch obtained in his residency program for clinical radioisotope training. At least 500 hours of time was spent by Dr. Koch in clinical radioisotope training during his residency program at the University of Texas.

Since the request to have Dr. Koch added to our license was included in a previous request, we have not enclosed a \$120 amendment fee check. We wish to have the request for Dr. Koch included under the original license amendment fee.

If you have any further questions concerning our request to have Dr. Koch listed as an authorized user on our license, please do not hesitate to call.

Sincerely,

Sidney D. Machefsky, M.D.  
Radiation Safety Officer

SDM/lw

RECEIVED BY LRMS  
5/11/87  
LCS May-17-1987  
By Messis  
CONTROL NO. 83542

FEE NOT REQUIRED

RECEIVED

MAY 11 1987

REGION III

MAY 11 1987



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
799 ROOSEVELT ROAD  
GLEN ELLYN, ILLINOIS 60137

JAN 28 1987

St. Joseph Health Center  
Department of Nuclear Medicine  
ATTN: Mr. Bruce D. Wolters  
Associate Executive Director  
and Chief Operating Officer  
300 First Capitol Drive  
St. Charles, MO 63301

Gentlemen:

Enclosed is Amendment No. 18 to your NRC License No. 24-15159-01 in accordance with your request.

Please note that Dr. Richard Koch has not been added as a user on your license. In order to add Dr. Koch, please submit the information requested in Item 5 of NRC Form-313M Supplement A to describe Dr. Koch's experience actually handling radioactive material. This experience may have been obtained in conjunction with Dr. Edeiken's clinical training, but should be described separately to differentiate this part from patient examination, image interpretation, etc. Also, please confirm that Dr. Koch received at least 500 hours clinical radioisotope training during his 4 months of clinical training (as described in Item 3, Supplement B of NRC Form 313M).

Please note also that Condition 17. has been added to address possession, use, transfer, and import of up to 999 kilograms of depleted uranium to be utilized as shielding for molybdenum-99/technetium-99m generators.

Please review the enclosed document carefully and be sure that you understand all conditions. You must conduct your program involving radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Possess radioactive material only in the quantity and form indicated in your license.
3. Use radioactive material only for the purpose(s) indicated in your license.
4. Notify NRC in writing of any change in mailing address.

CONTROL NO. 83542

TRAINING AND EXPERIENCE  
AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER		2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE Missouri
3. CERTIFICATION		
SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C
Diagnostic Radiology		June 1, 1984

## 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	Univ of Texas Medical School at Houston 7/1/80 to 6/30/81	100 hrs	
b. RADIATION PROTECTION		30 hrs	
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY		20 hrs	20 hrs
d. RADIATION BIOLOGY		20 hrs	
e. RADIOPHARMACEUTICAL CHEMISTRY		30 hrs	

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

ISOTYPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Tc 99m	1.5 Ci	Univ of Texas Medical School at Houston	7-1-80 to 6-30-84	Clinical
Ir 192	5 mCi			
Co 60	5 mCi			
Ir 137	100 mCi			
Ir 192	1 mCi			
Ir 192	10 mCi			
Ir 137	50 mCi			



## 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

## FULL NAME

Richard Alan Koch, M.D.

## STREET ADDRESS

Radiologic Imaging Consultants

6 Jungerman Circle, Suite L4

CITY STATE ZIP CODE

St Peters

MO 63376

## KEY TO COLUMN C

## PERSONAL PARTICIPATION SHOULD CONSIST OF:

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.

## 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	50	30 with I <sup>125</sup>
	DETERMINATION OF BLOOD AND BLOOD PLASMA VOLUME		
	LIVER FUNCTION STUDIES		
	FAT ABSORPTION STUDIES		
	KIDNEY FUNCTION STUDIES	100	
	IN VITRO STUDIES		
OTHER			
I-125	DETECTION OF THROMBOSIS	15	
I-131	THYROID IMAGING	20	
P-32	EYE TUMOR LOCALIZATION		
Se-75	PANCREAS IMAGING		
Yb-169	CISTERNOGRAPHY	25	41 In DTPA
Xe-133	BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES	30	
OTHER			
Tc-99m	BRAIN IMAGING	20	
	CARDIAC IMAGING	20	
	THYROID IMAGING	40	
	SALIVARY GLAND IMAGING		
	BLOOD POOL IMAGING	10	
	PLACENTA LOCALIZATION		
	LIVER AND SPLEEN IMAGING	60	
	LUNG IMAGING	45	
	BONE IMAGING	75	
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 (Soluble)	TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA, AND BONE METASTASES		
P-32 (Colloidal)	INTRACAVITARY TREATMENT		
I-131	TREATMENT OF THYROID CARCINOMA	5	
	TREATMENT OF HYPERTHYROIDISM	15	
Au-198	INTRACAVITARY TREATMENT		
Co-60 or Cs-137	INTERSTITIAL TREATMENT		
	INTRACAVITARY TREATMENT		
I-125 or Ir-192	INTERSTITIAL TREATMENT		
	TELE THERAPY TREATMENT		
Sr-90	TREATMENT OF EYE DISEASE		
	RADIOPHARMACEUTICAL PREPARATION		
Mo-99/ Tc-99m	GENERATOR	10 x	
Sn-113/ In-113m	GENERATOR		
Tc-99m	REAGENT KITS	20 x	
Other			

## 3. DATES AND TOTAL NUMBER OF HOURS RECEIVED IN CLINICAL RADIOISOTOPE TRAINING

4 months total from 7/1/80 to 6/30/84

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

a. NAME OF SUPERVISOR

Beth S. Edeiken, M.D.

b. NAME OF INSTITUTION

The University of Texas - Houston

c. MAILING ADDRESS

6431 Fannin, 2.130 MSMB

d. CITY

Houston, TX 77030

e. MATERIALS LICENSE NUMBER(S)

## 5. PRECEPTOR'S SIGNATURE

Beth S. Edeiken, M.D.

## 7. PRECEPTOR'S NAME (Please type or print)

Beth S. Edeiken, M.D.

## 8. DATE

December 9, 1985