

To, Paul Guinn



Bluefield Community Hospital

500 Cherry St. • Bluefield, West Virginia 24701 • (304) 327-2511

May 7, 1985

U. S. Nuclear Regulatory Commission
Region II
Materials Radiation Protection Section
Division of Emergency Preparedness and
Material Safety Programs
101 Marietta Street, N.W.
Atlanta, Georgia 30303

To Whom It May Concern:

We hereby request an amendment to our NRC Nuclear
Medicine By-Product Materials license, to add one
authorized user.

We request that Dr. Michael E. Shahan be authorized
to use Groups I-III and Xe-133, based on his training
and experience, as documented on the attached NRC 313M
Supplements A and B.

In addition, we request that the names of
Kerry W. McCluney, M.D., and Bahram Chubineh, M.D.
be deleted from the license.

Enclosed is a check for \$120 as the appropriate
amendment fee in accordance with 10 CFR 170.31 7.C.

Thank you for your attention to this request.

Sincerely,

Eugene P. Pawlowski
Administrator

RECEIVED BY LEADS	
Date...	5/20/84
Leg...	May 24
By...	Brom
Orig. To...	
Action Compl...	5/22/84

ac

Enclosure

Applicant...	50964
Check No...	120/70
Amount, Fee Category...	Amendment
Date of Fee...	5/20/85
Checked By...	Brown

8508140127 850722
REG2 LIC30
47-19142-01 PDR

50594
Received 5/14/85
PB Reg 4

05 MAY 14 43:05



DEPARTMENT OF THE AIR FORCE
WILFORD HALL USAF MEDICAL CENTER (AFSC)
LACKLAND AIR FORCE BASE, TEXAS 78236

REPLY TO:
ATTN OF: SCHQRI

1 June 1983


SUBJECT: Radioisotope Training and Experience

TO: WHOM IT MAY CONCERN


The following supplementary information is provided relative to items 4 and 5 of NRC-313M Supplement A, Radioisotope Training and Experience, received by Dr. Michael E. Shahan during his three year residency in Diagnostic Radiology at Wilford Hall USAF Medical Center.

a. His training in basic radioisotope handling techniques covered all of the elements of training given in paragraph 4 of NRC-313M Supplement A as part of a three year diagnostic radiology residency. This residency was fully accredited by the Accreditation Council for Graduate Medical Education of the American Medical Association and included three months of rotation through the Nuclear Medicine Service.

b. During his three month rotation through Nuclear Medicine, he obtained over 500 hours of experience with radiation, including personal participation in radioisotope generator elution, radiopharmaceutical reagent kit preparation, radioisotope package monitoring, radiation protection surveys, survey for removable contamination, quality control of dose calibrator, and calculation, preparation and calibration of patient doses.


PAUL R. ROSEN, Colonel, USAF, MC
Chief, Nuclear Medicine Service

protection surveys, survey for contamination, calibration of
of dose calibrator and calculation, operation and calibration of
patient doses.


PAUL P. ROSEN, Colonel, USAF, MC
Chief, Nuclear Medicine Service

FORM NRC-313M SUPPLEMENT A (B-7B)		U.S. NUCLEAR REGULATORY COMMISSION		
TRAINING AND EXPERIENCE AUTHORIZED USER OR RADIATION SAFETY OFFICER				
1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER Michael E. Shahan		2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE		
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	See attached sheet			
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 or Equivalent Experience)				
ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
		See attached sheet		

5. EXPERIENCE WITH RADIATION (For use by those with direct or equivalent experience)

FORM NRC-313M SUPPLEMENT B WHERE EXPERIENCE WAS GAINED U. S. NUCLEAR REGULATORY COMMISSION
(6-78)

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

Michael E. Shahan

STREET ADDRESS

Wilford Hall USAF Medical Center

CITY

STATE

ZIP CODE

Lackland AFB,

TX

78236

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-123 or I-125	DIAGNOSIS OF THYROID FUNCTION	13	
	DETERMINATION OF BLOOD AND BLOOD PLASMA VOLUME	2	
	LIVER FUNCTION STUDIES	0	
	FAT ABSORPTION STUDIES	0	
	KIDNEY FUNCTION STUDIES	0	
	IN VITRO STUDIES	0	
OTHER		0	
I-125	DETECTION OF THROMBOSIS	1	
I-123	THYROID IMAGING	13	
F-18	EYE TUMOR LOCALIZATION	0	
Sr-75	PANCREAS IMAGING	0	
Yb-169	CISTERNOGRAPHY	0	
Ke-133	BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES	15	
Ga-67	Whole Body Imaging	63	
Tc-99m	BRAIN IMAGING	8	
	CARDIAC IMAGING	2	
	THYROID IMAGING	3	
	SALIVARY GLAND IMAGING	4	
	BLOOD POOL IMAGING	35	
	PLACENTA LOCALIZATION	0	
	LIVER AND SPLEEN IMAGING	80	
	LUNG IMAGING	20	
	BONE IMAGING	149	
Tl-201	Cardiac Imaging	56	

Apr 83

Total of 520 hours

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

A. NAME OF SUPERVISOR

PAUL R. ROSEN, Col., USAF, MC

Chief, Nuclear Medicine Service

Wilford Hall USAF Medical Center

C. MAILING ADDRESS

Lackland AFB

d. CITY

San Antonio, Texas 78236

5. MATERIALS LICENSE NUMBER(S)

42-02682-01

6. PRECEPTOR'S SIGNATURE

Paul R. Rosen

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

Paul R. Rosen

8. DATE

1 June 1983

Wilford Hall USAF Medical PRECEPTOR STATEMENT (Continued)			
2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN (Continued)			
CITY	CONDITIONS DIAGNOSED OR TREATED	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheets.)
A	B	C	D
San Antonio, Texas 78236			
Isotope			
42-02682-01			
S-7P-32 (Sodium)	TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA, AND BONE METASTASES	3	
P-32 (Colloid)	INTRACAVITARY TREATMENT	0	
I-131	TREATMENT OF THYROID CARCINOMA	3	
	TREATMENT OF HYPERTHYROIDISM	10	
Au-198	INTRACAVITARY TREATMENT	0	
Co-60 or Cs-137	INTERSTITIAL TREATMENT	0	
	INTRACAVITARY TREATMENT	0	
I-125 or Ir-192 Co-60 or Cs-137	INTERSTITIAL TREATMENT	0	
	TELETHERAPY TREATMENT	0	
Sr-90	TREATMENT OF EYE DISEASE	0	
	RADIOPHARMACEUTICAL PREPARATION		
Mo-99/ Tc-99m	GENERATOR	5	
Sn-113/ In-113m	GENERATOR	0	
Tc-99m	REAGENT KITS	10	
Other		0	

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

Oct 81

Nov 81

Apr 83

Total of 520 hours

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

A. NAME OF SUPERVISOR

PAUL R. ROSEN, Col., USAF, MC

Chief, Nuclear Medicine Service

Wilford Hall USAF Medical Center

C. MAILING ADDRESS

Lackland AFB

d. CITY

San Antonio, Texas 78236

5. MATERIALS LICENSE NUMBER(S)

42-02682-01

6. PRECEPTOR'S SIGNATURE

Paul R. Rosen

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

Paul R. Rosen

8. DATE

1 June 1983

FORM NRC-313M-SUPPLEMENT B
(8-78)