

3249 South Oak Park Avenue
Berwyn, Illinois 60402
Telephone (312) 795-9100
July 1, 1981

RECEIVED BY LFMB	
Date...	7/21/81
Log...	JULY 21 14 III
By...	Brown
Orig. To...	
Action Compl.	7/23/81

Applicant...	8091/
Check No...	40/7B
Amount/Fee Category	Amendment
Type of Fee	
Date Check Rec'd...	7/21/81
Received By	BROWN

Bruce Mallett, PhD
Licensing Section
USNRC
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Dear Dr. Mallett:

We request an amendment to our NRC license 12-09155-01 to include Group VI sources and procedures.

The user of the group VI materials will be Hebe Fortione, M.D. Dr. Fortione is a user of Group VI sources at St. Francis Hospital, Evanston, Illinois on NRC license no. 12-12963-02. Dr. Fortione will be the only user of Group VI sources.

The sources will be obtained from approved supplies only. They will be ordered under the direction of Dr. Fortione.

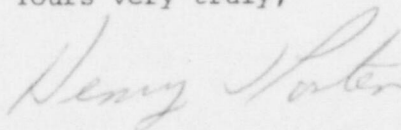
The following procedures and policies will also be in effect:

1. The sources will be placed in adequate and properly shielded location when received. They will be kept secured until use.
2. The sources will then be returned to the supplier or disposed of in a proper manner, e.g., decay method or commercial disposal.
3. Appendix L of the Regulatory Guide 10.8 will be followed.
4. Adequate survey instruments are available.
5. We are currently following the ALARA program as set forth by the NRC on June 18, 1980.

Should you have any questions, please contact Ronald D. Edwards, Health Physicist, Radiation Protection Consultants, 604 North Washington Street, Naperville, Illinois 60540, phone 369-6488.

Thank you for your cooperation.

Yours very truly,



Henry J. Porten

8507120637 850614
REG3 LIC30
12-09155-01 PDR

JUL 7 1981

Member of the Metropolitan Chicago Group
of University of Illinois Affiliated Hospitals

Control No. 05085

Response to questions from Licensing Guide, pages 10.8-10 and 11.

- A-1. Sources will be kept in the "radioactive waste" storage area behind 2" x 4" x 8" lead bricks for decay or return to supplier.
- 2. Storage area is approximately six feet from unrestricted areas.
- B. Sources will be handled with long forceps and behind shielding.

Sources will not be picked up in bare hands. Gloves will also be worn during handling.
- C. Refer to Appendix L.
- D. Personnel involved with handling of the sources will be provided with finger T.L.D.s
- E. Sources will be transported on a large metal cart with proper shielding, warning signs, etc.
- F. Sources will be inventoried when received. We do not intend to store any sources or purchase any of our own. If we do, a usage inventory sheet will be used which will include the date taken, dates used, number of sources and activity, date returned and individual using sources. Quarterly inventories will be conducted. Source accountability after usage will be verified by the Radiation Safety Officer or his designate.
- G. Patient rooms will be surveyed during treatment and upon removal of the sources. The room will also be surveyed at the time the patient is released from the hospital. Another verification of source accountability will be accomplished.

JUL 7 1981

Cont. 1 No. 05085

TRAINING AND EXPERIENCE AUTHORIZED USER OR RADIATION SAFETY OFFICER

12-09155-01
030-01496

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER David Gibson	2. STATE IN WHICH LICENSED TO PRACTICE MEDICINE Illinois
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3. CERTIFICATION	
SPECIALTY BOARD A	CATEGORY B
RADIOLOGY	MONTH AND YEAR CERTIFIED C
Applicant... <i>David & Sharon Gibson</i> Check No... <i>1193</i> Amount/Fee Category... <i>#40 (B)</i> Type of Fee... <i>Amendment</i> Date Check Received... <i>5/1/81</i> Received By... <i>Brown</i>	
Eligible June 1981	

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	SUPERVISOR LABORATORY EXPERIENCE (Hours) D
a. RADIATION PHYSICS AND INSTRUMENTATION	Loyola University Medical Ctr. 7/1/78 to 7/1/81	75	30
b. RADIATION PROTECTION	"	15	15
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	"	5	5
d. RADIATION BIOLOGY	"	0	0
e. RADIOPHARMACEUTICAL CHEMISTRY	"	10	20

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

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Tc-99m	25 mCi	Loyola University Med Ctr	4 months	Bone, Lung, Brain, Liver, Blood Pool & Thyroid
Xe-133	20 mCi	"	"	Lung
I-131	150 uCi	"	"	Thyroid CA Rx, Renal Function
I-125	100 uCi	"	"	Deep Vein Thrombosis
Ia-111	500 uCi	"	"	Cysternography
Tl-201	2 mCi	"	"	Infarct Heart

PRECEPTOR STATEMENT

Supplement E 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		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.
FULL NAME David Gibson, M.D.		
STREET ADDRESS MacNeal Hospital CITY Berwyn, Illinois		
STATE		ZIP CODE

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	DIAGNOSIS OF THYROID FUNCTION	55	
	DETERMINATION OF BLOOD AND BLOOD PLASMA VOLUME	23	
	LIVER FUNCTION STUDIES		
	FAT ABSORPTION STUDIES		
	KIDNEY FUNCTION STUDIES	53	
	IN VITRO STUDIES		
OTHER			
I-125	DETECTION OF THROMBOSIS	1	
I-131	THYROID IMAGING	4	
Co-60	EYE TUMOR LOCALIZATION	0	
Sr-75	PANCREAS IMAGING	0	
In-111	GISTEROGRAPHY	13	
Y-90	BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES	70	
OTHER			
Tc-99m	BRAIN IMAGING	121	
	CARDIAC IMAGING	481 (All Cardiac)	
	THYROID IMAGING	103	
	SALIVARY GLAND IMAGING		
	BLOOD POOL IMAGING		
	PREGNANT LOCALIZATION		
	LIVER AND SPLEEN IMAGING	304	
	LUNG IMAGING	182	
	BONE IMAGING	227	
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	3	
	TREATMENT OF HYPERTHYROIDISM	10	
Au-98	INTRACAVITARY TREATMENT		
Co-60 or Cs-137	INTERSTITIAL TREATMENT		
	INTRACAVITARY TREATMENT		
Ir-192 or Co-60 or Cs-137	INTERSTITIAL TREATMENT		
	TELETHERAPY TREATMENT		
Se-90	TREATMENT OF EYE DISEASE		
*	RADIOPHARMACEUTICAL PREPARATION		
Mu-99/ Tc-99m	GENERATOR		
Sr-90/ Y-90	GENERATOR		
Tc-99m	REAGENT KITS		
Other	*Didactic Training		

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

650 Hours

September 1979
March 1980
August 1980
March 1981

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

a. NAME OF SUPERVISOR

Robert E. Henkin, M.D.

b. NAME OF INSTITUTION

Nuclear Medicine-Loyola Univ. Med. Ctr.

c. MAILING ADDRESS

2160 South First Avenue

d. CITY

Maywood, IL 60153

5. MATERIALS LICENSE NUMBER(S)

NRC 12-11355-04

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

6. PRECEPTOR'S SIGNATURE

Robert E. Henkin

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

Robert E. Henkin, M.D.

8. DATE

3/17/81