

TRAINING AND EXPERIENCE  
AUTHORIZED USER OR RADIATION SAFETY OFFICER

1 NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER Richard Henry Crain, M.D.	2 STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE PA
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## 3 CERTIFICATION

SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C
American Board of Radiology	Diagnostic Radiology	December 8, 1972

## 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	Allegheny Gen. Hosp., Pgh, PA July 1969 - January 1973 Mercy Hosp., Pittsburgh, PA Dec. 1971, Jan. 1972 & Apr. 1972	80 10	1 200
b. RADIATION PROTECTION	Allegheny Gen Hosp., Pgh, PA July 1969 - Jan. 1973 Mercy Hosp., Pittsburgh, PA Dec. 1971, Jan. 1972 & Apr. 1972	35 0	0 100
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	Allegheny Gen. Hosp., Pgh., PA July 1969 - Jan. 1973 Mercy Hosp., Pittsburgh, PA Dec. 1971, Jan. 1972 & Apr. 1972	15 10	0 50
d. RADIATION BIOLOGY	Allegheny Gen. Hosp., Pgh., PA July 1969 - Jan. 1973 Mercy Hosp., Pittsburgh, PA Dec. 1971, Jan. 1972 & Apr. 1972	30 0	0 20
e. RADIOPHARMACEUTICAL CHEMISTRY	Allegheny Gen. Hosp., Pgh., PA July 1969 - Jan. 1973 Mercy Hosp., Pittsburgh, PA Dec. 1971, Jan. 1972 & Apr. 1972	25 10	0 50

## 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	20 mCi	Mercy Hosp., Pittsburgh Dec 1971, Jan. 1972, Apr. 1972	3 months	Diagnostic
		Canonsburg Gen. Hosp. Canonsburg, PA Oct. 1978 - Dec. 1979	1 year 3 mos.	Diagnostic
		St. Francis Hospital New Castle, PA June 1981 to present	3 years 10 mos.	Diagnostic

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# Supplement A

## 5. Experience With Radiation

<u>Isotope</u>		<u>Maximum Amount</u>	<u>Where Experience was Gained</u>	<u>Duration of Exp.</u>	<u>Type of Exp.</u>
(Continued)					
I-131	10 mCi		Mercy Hospital	3 mos.	Therapeutic
I-131	350 uCi		Mercy Hospital	3 mos.	Diagnostic
			Canonsburg General Hosp.	1 yr. 3 mos.	Diagnostic
			St. Francis Hospital	3 yrs. 10 mos.	Diagnostic
I-123	300 uCi		St. Francis Hospital	3 yrs. 10 mos.	Diagnostic
I-125	10 uCi		St. Francis Hospital	3 yrs. 10 mos.	Diagnostic
Ga-67	6 mCi		Canonsburg General Hosp.	1 yr. 3 mos.	Diagnostic
			St. Francis Hospital	3 yrs. 10 mos.	Diagnostic
Tl-201	2.5 mCi		St. Francis Hospital	3 yrs. 10 mos.	Diagnostic
Se-75	250 mCi		Canonsburg General Hosp.	1 yr. 3 mos.	Diagnostic
Cr-51	70 uCi		Mercy Hospital	3 mos.	Diagnostic
			Canonsburg General Hosp.	1 yr. 3 mos.	Diagnostic
			St. Francis Hospital	3 yrs. 10 mos.	Diagnostic
Tc-169	1 mCi		Canonsburg General Hosp.	1 yr. 3 mos.	Diagnostic
Co-57	0.5 uCi		Mercy Hospital	3 mos.	Diagnostic
			St. Francis Hospital	3 yrs. 10 mos.	Diagnostic
Co-60	0.5 uCi		Mercy Hospital	3 mos.	Diagnostic
Sr-85	150 uCi		Mercy Hospital	3 mos.	Diagnostic
P-32 (Soluble)	5 mCi		Mercy Hospital	3 mos.	Therapeutic
In-111	2.0 mCi		St. Francis Hospital	3 yrs. 10 mos.	Diagnostic
Xe-133	15 mCi		St. Francis Hospital	3 yrs. 10 mos.	Diagnostic

## Continuing Education in Nuclear Medicine:

<u>Accredited Sponsor</u> <u>or Co-Sponsor</u>	<u>Location</u> <u>City, State</u>	<u>Description of</u> <u>Learning Activity</u>	<u>Dates</u>	<u>Hours of</u> <u>Nuclear</u> <u>Medicine</u>
1. Univ. of Pittsburgh School of Medicine	Pittsburgh, PA	Nuclear Medicine Review	May 18-20, 1972	18
2. Univ. of Cincinnati College of Medicine	Cincinnati, OH	14th Annual Re- freshers Course in Radiology	May 30 - June 3, 1972	4
3. Pennsylvania Radiological Society	Pittsburgh, PA	Pittsburgh Roent- gen Society, Scientific Meetings	5-9-73, 12-10-73, 2-14-76, 10-16-81, 5-11-83, 10-10-84	12

(Continued on Page 3)

## Supplement A

Continuing Education in Nuclear Medicine:

<u>Accredited Sponsor or Co-Sponsor</u> (Continued)	<u>Location City, State</u>	<u>Description of Learning Activity</u>	<u>Dates</u>	<u>Hours of Nuclear Medicine</u>
4. Univ. of Minnesota	Minneapolis, MN	Radiology of the Chest	Sept. 17-21, 1973	6
5. Univ. of Minnesota	Minneapolis, MN	Radiology of the G I Tract	Sept. 9-13, 1974	5
6. Univ. of Minnesota	Minneapolis, MN	Radiology of the Urinary Tract	Sept. 8-12, 1975	5
7. Univ. of Pittsburgh School of Medicine	Sewickley, PA	Modern Diagnostic Studies	Nov. 23, 1977	1
8. Univ. of Pittsburgh School of Medicine	Monaca, PA	Thyroid Disease	Feb. 15, 1978	1
9. Univ. of California San Francisco	San Francisco, CA	Diagnostic Radiology	Mar. 6-10, 1978	1
10. Society of Nuclear Medicine	Pittsburgh, PA	Bone Imaging: A Clinical Practicum	Dec. 9, 1978	5
11. Univ. of California San Francisco	San Francisco, CA	Computed Tomography Ultrasound & X-Ray	Jan. 28 - Feb. 1, 1980	4
12. Western Pennsylvania Hospital	Pittsburgh, PA	Cardiology 1981	Mar. 22 & 29, 1981	2
13. Duke Univ. Medical Center	Atlantic Beach, North Carolina	Radiology Post-Graduate Course	July 27 - Aug. 1, 1981	7
14. Duke Univ. Medical Center	Atlantic Beach, North Carolina	Radiology Post-Graduate Course	July 26-30, 1982	5
15. Univ. of Pittsburgh School of Medicine	Sewickley, PA	New Frontiers in Medicine	Oct. 27, 1982	1
16. Duke Univ. Medical Center	Atlantic Beach, North Carolina	Radiology Post-Graduate Course	July 25 - 29, 1983	5
17. Duke Univ. Medical Center	Atlantic Beach, North Carolina	Radiology Post-Graduate Course	July 30 - Aug. 3, 1984	5

(Continued on Page 4)

## Supplement A

## 5. Experience with Radiation

Continuing Education in Radiation Protection:

<u>Organization</u>	<u>Location City, State</u>	<u>Description of Learning Activity</u>	<u>Dates</u>	<u>Hours of Radiation Protection</u>
1. National Council on Radiation Pro- tection & Measure- ments	Washington, DC	National Council on Radiation Pro- tection & Measure- ments Sixteenth Annual Meeting	Apr. 2-3, 1980	8
2. Gulf Oil Corp.	Orange, TX	Radiation Safety Officer Training Course	May 20 & 21, 1980	16
3. Gulf Oil Corp.	Marietta, OH	Radiation Protection Survey of Marietta Chemical Plant	June 5, 1980	8
4. Oak Ridge Associated Universities	Oak Ridge, TN	Medical Planning & Care in Radiation Accidents REAC/TS	Nov. 10-14, 1980	40
5. Western Pennsylvania Health Physics Society	Monroeville, PA	Radiation Emergency Management Symposium	Mar. 6-7, 1981	8
6. The Pittsburgh Section of the American Nuclear Society & the Western Pennsylvania Section, Health Physics Society	Penn Hills, PA	Radiation Safety Safety Symposium	March 5-6, 1982	10

## 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 HENRY CRAIN, M.D.

STREET ADDRESS

307 Meadow Lane, EDGEWORTH

CITY

STATE

ZIP CODE

SEWICKLEY, PA.

15143

## 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	90	
	DETERMINATION OF BLOOD AND BLOOD PLASMA VOLUME	30	
	LIVER FUNCTION STUDIES		
	FAT ABSORPTION STUDIES	1	
	KIDNEY FUNCTION STUDIES		
	IN VITRO STUDIES		
OTHER			
I-125	DETECTION OF THROMBOSIS		
I-131	THYROID IMAGING	90	
P-32	EYE TUMOR LOCALIZATION		
Se-75	PANCREAS IMAGING		
Yb-169	CISTERNOGRAPHY		
Xe-133	BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES		
OTHER	Co-57, Co-60 Schilling	9	
Tc-99m	BRAIN IMAGING	175	
	CARDIAC IMAGING	4	
	THYROID IMAGING		
	SALIVARY GLAND IMAGING		
	BLOOD POOL IMAGING		
	PLACENTA LOCALIZATION		
	LIVER AND SPLEEN IMAGING	90	
	LUNG IMAGING	45	
	BONE IMAGING		
OTHER	Cr-51 Survival	1	



# 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	1	
P-32 (Colloidal)	INTRACAVITARY TREATMENT		
I-131	TREATMENT OF THYROID CARCINOMA		
	TREATMENT OF HYPERTHYROIDISM	1	
Au-198	INTRACAVITARY TREATMENT		
Co-60 or Cs-137	INTERSTITIAL TREATMENT		
	INTRACAVITARY TREATMENT		
I-125 or Ir-192	INTERSTITIAL TREATMENT		
Co-60 or Cs-137	TELE THERAPY TREATMENT		
Sr-90	TREATMENT OF EYE DISEASE		
	RADIOPHARMACEUTICAL PREPARATION		
Mo-99/ Tc-99m	GENERATOR	5	
Sn-113/ In-113m	GENERATOR		
Tc-99m	REAGENT KITS	5	
Other			
Sr-85	Bone Imaging	14	
Cr-51	Red Mass	1	

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

December 1871  
January 1972 --- 500 Hours  
April 1972

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

### a. NAME OF SUPERVISOR

Edward J. Pavsek, M.D.

### b. NAME OF INSTITUTION

Mercy Hospital

### c. MAILING ADDRESS

Pride & Locust Streets

### d. CITY

Pittsburgh, PA 15219

## 5. MATERIALS LICENSE NUMBER(S)

37-01321-02

## 6. PRECEPTOR'S SIGNATURE

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

Edward J. Pavsek, M.D.

## 8. DATE

February 5, 1985

BETWEEN: William O. 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: St. Francis Hospital of New Castle

Application Dated: 5/22/85

Control No.: 03858

License No.: 37-07739-01

2. FEE ATTACHED

Amount: \$ 120.00

Check No.: 909214

3. COMMENTS

Signed Brenda Pilatchek

Date 5/28/85

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: 7C \$120 7/87

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

Amendment ✓

Renewal \_\_\_\_\_

License \_\_\_\_\_

Signed Frances Brown

Date 6/6/85 6/6/85

DEC 1 1982

License No. 37-07739-01  
Docket No. 030-03096  
Control No. 12560

St. Francis Hospital of New Castle  
ATTN: Joseph S. Noviello  
President  
1000 South Mercer Street  
New Castle, Pennsylvania 16101

Gentlemen:

Enclosed is Amendment No. 34 to License No. 37-07739-01. You should review this amendment for correctness and to assure that any changes in procedures required by the conditions are implemented.

We wish you continued success with your nuclear medicine service.

Sincerely,

Original Signed By  
John E. Glenn, Ph.D.

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

Enclosures:

1. Amendment No. 34
2. Form NRC-313M
3. Form NRC-3

OFFICE ▶	RI:DETP					
SURNAME ▶	Glenn/ln					
DATE ▶	12/1/82					