



# Warminster General Hospital

September 9, 1985

Jenny M. Johansen, M.S.  
United States Regulatory Commission  
Region I  
631 Park Avenue  
King of Prussia, PA 19406

RE: License #37-18263-01

Dear Ms. Johansen:

We have recently appointed a new member to the Radiology staff of Warminster General Hospital, Charlene Marie Smith, M.D. A copy of Dr. Smith's Curriculum Vitae and NRC 313M forms Supplement A and B are attached for your review in duplicate. Please add Dr. Smith to our license as an authorized user in the Nuclear Medicine Department.

Please delete Robert A. Rosenweig, M.D. from our NRC license as an authorized user, since he is no longer a member of our staff.

A check for \$120.00 is enclosed.

Thank you for your continued assistance.

Sincerely,

Warren Gross, M.D.  
Radiation Safety Officer  
Warminster General Hospital

*Sept 15*

Applicant	
Check No.	322282
Amount/Fee Category	120-70
App. Fee	Amendment
Check Rec'd.	9/26/85
Received By	SLK

Timothy A. Churchill  
Associate Administrator  
Warminster General Hospital

U.S. NRC  
120 FEE NRC LICENSE

SEP 26 10:07 AM '85

RECEIVED

8510280257 851007  
REG1 LIC30  
37-18263-01 PDR

"OFFICIAL RECORD COPY"

ML10 104402

SEP 17 1985

FORM NRC-313M-SUPPLEMENT A

(8-78)

# TRAINING AND EXPERIENCE AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER

Charlene Marie Smith, M.D.

2. STATE OR TERRITORY IN  
WHICH LICENSED TO  
PRACTICE MEDICINE  
Pennsylvania

## 3. CERTIFICATION

SPECIALTY BOARD  
ACATEGORY  
BMONTH AND YEAR CERTIFIED  
C

American Board of Radiology

June, 1985

## 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	Reading Hospital & Medical Center Weekly Conferences 7-1-81 to 6-30-85	65	35
b. RADIATION PROTECTION	same as above	25	5
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	same as above	28	4
d. RADIATION BIOLOGY	same as above	24	
e. RADIOPHARMACEUTICAL CHEMISTRY	same as above	32	

## 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		

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

Charlene Marie Smith, M.D.

STREET ADDRESS

675 East Street Road  
Woodstream Apt. #1701

CITY

Warminster

STATE

PA.

ZIP CODE

18974

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	153	
	DETERMINATION OF BLOOD AND BLOOD PLASMA VOLUME Cr51	7	
	LIVER FUNCTION STUDIES	0	
	FAT ABSORPTION STUDIES	0	
	KIDNEY FUNCTION STUDIES	36	
	IN VITRO STUDIES	0	
OTHER	Gallium Scans	40	
I-125	DETECTION OF THROMBOSIS	0	
I-131	THYROID IMAGING	66	
P-32	EYE TUMOR LOCALIZATION	0	
Se-75	PANCREAS IMAGING	0	
Yb-169	CISTERNOGRAPHY In111	4	
Xe-133	BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES	0	
OTHER	Thallium Scans	94	
Tc-99m	BRAIN IMAGING	154	
	CARDIAC IMAGING	255	
	THYROID IMAGING	56	
	SALIVARY GLAND IMAGING	2	
	BLOOD POOL IMAGING	18	
	PLACENTA LOCALIZATION	0	
	LIVER AND SPLEEN IMAGING	551	
	LUNG IMAGING	349 perfusions 122 aerosols	
	BONE IMAGING	869	
OTHER			

# PRECEPTOR STATEMENT (Continued)

## 2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN (Continued)

ISOTOPE	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
P-32 (Soluble)	TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA, AND BONE METASTASES	3	
P-32 (Colloidal)	INTRACAVITARY TREATMENT	0	
I-131	TREATMENT OF THYROID CARCINOMA	4	
	TREATMENT OF HYPERTHYROIDISM	11	
Au-198	INTRACAVITARY TREATMENT	0	
Co-60 or Cs-137	INTERSTITIAL TREATMENT	0	
	INTRACAVITARY TREATMENT	0	
I-125 or Ir-192	INTERSTITIAL TREATMENT	0	
Co-60 or Cs-137	TELETHERAPY TREATMENT	0	
Sr-90	TREATMENT OF EYE DISEASE	0	
	RADIOPHARMACEUTICAL PREPARATION		
Mo-99/ Tc-99m	GENERATOR	6	
Sn-113/ In-113m	GENERATOR	0	
Tc-99m	REAGENT KITS	7	
Other			

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

5-1-84 to 8-31-84  
and 2-1-85 to 2-28-85  
1000 hours

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

### a. NAME OF SUPERVISOR

Randall S. Winn, M.D.

### b. NAME OF INSTITUTION

Reading Hospital & Medical Center

### c. MAILING ADDRESS

6th & Spruce Sts.

### d. CITY

West Reading, Pa. 19603

## 5. MATERIALS LICENSE NUMBER(S)

37-00485-04

## 6. PRECEPTOR'S SIGNATURE

*Randall S. Winn*  
*Randall S. Winn MD*

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

Randall S. Winn, MD

## 8. DATE

8/2/85

## 5. EXPERIENCE WITH RADIATION:

The following experience with radioisotopes was gained at Reading Hospital and Medical Center from 5/1/84 to 8/31/84 and 2/1/85 to 2/28/85 and also at Warminster General Hospital from 7/1/85 to the present time.

1. Tc<sup>99m</sup> MDP as a bone scanning agent at a dose of 20 MCi.
2. Tc<sup>99m</sup> DTPA as a brain scanning agent at a dose of 20 MCi and also as a renal scanning agent at same dose.
3. Tc<sup>99m</sup> pertechnetate as a heart scanning agent at a dosage of 20 MCi.
4. Tc<sup>99m</sup> Disofenin as a hepatobiliary agent at a maximum dosage of 8 MCi.
5. Tc<sup>99m</sup> sulfur colloid as a liver/spleen scanning agent at a dose of 5 MCi maximum.
6. Tc<sup>99m</sup> MAA in perfusion lung scanning at a 5 MCi maximum dose.
7. Tc<sup>99m</sup> pyrophosphate in myocardial scanning at a maximum dosage of 20 MCi.
8. Chromium<sup>51</sup> for red cell mass determination at a dose of 50 uCi.
9. Indium<sup>111</sup> DTPA for cisternography at a dosage of 1.5 MCi.
10. Gallium<sup>67</sup> citrate for abscess and tumor localization at a dose of 5 MCi.
11. Cobalt<sup>57</sup> in the performance of a Schilling test at a dose of 1 uCi.
12. Thallium<sup>201</sup> chloride for myocardial scanning at a dose of 2.5 MCi.
13. Iodine<sup>123</sup> in thyroid scanning and uptake determinations at a dose of 200 uCi.
14. Iodine<sup>131</sup> for treatment of hyperthyroidism and neoplasia at a calculated dosage depending on the patient and clinical circumstances.
15. Xenon<sup>133</sup> gas used in ventilation scanning at a maximum dosage of 10 MCi.

CURRICULUM VITAE

NAME: Charlene Marie Smith

ADDRESS: (Home) 314-2 Amy Court  
Shillington, Pennsylvania 19607  
TELEPHONE: 1-215-775-1629

(Hospital) Radiology Department  
Reading Hospital and Medical Center  
Sixth and Spruce Streets  
West Reading, Pennsylvania 19603  
TELEPHONE: 1-215-378-6108

CERTIFICATION AND LICENSURE: Diplomate of The National Board of  
Medical Examiners, July 1, 1982  
Pennsylvania Medical License

EDUCATION: Hahnemann Medical College, Philadelphia, Pennsylvania  
Attended September, 1977 to June, 1981  
Doctor of Medicine Degree - June, 1981

Wilkes College, Wilkes-Barre, Pennsylvania  
Attended September, 1975 to August, 1977 and June, 1980  
to June, 1981  
Bachelor of Science Degree - August, 1981

Hazleton High School  
Attended September, 1972 to June, 1975

POSTGRADUATE TRAINING: Residency in Diagnostic Radiology at  
Reading Hospital and Medical Center -  
July, 1981 to Present Time

TEACHING APPOINTMENTS: Active involvement in teaching Basic Sciences  
to Radiologic Technician Students at  
Reading Hospital School of Radiologic  
Technology

## CURRICULUM VITAE

AWARDS AND HONORS: Letter of Commendation in Surgery from  
Hahnemann Medical College  
Summa Cum Laude Graduate of Wilkes College  
High School Honors including:  
National Honor Society  
Society of Outstanding High School Students  
Who's Who Among High School Students

PROFESSIONAL SOCIETY MEMBERSHIPS: Pennsylvania Radiological Society  
American College of Radiology  
Radiological Society of North America

PERSONAL DATA: Date of Birth - August 16, 1957  
Place of Birth - Hazleton, Pennsylvania

PERSONAL AND PROFESSIONAL REFERENCES: Furnished on Request

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: Warminster General Hospital

Application Dated: 9/9/85

Control No.: 104402

License No.: 37-18263-01

2. FEE ATTACHED

Amount: \$ 120.00

Check No.: 322282

3. COMMENTS

LMS 03 ✓ 02120  
5/89

Signed Barbara Plotch

Date 9/19/85

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: 7C (9120)

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

Amendment ✓

Renewal       

License       

Signed [Signature]

Date 10/1/85