

**FROM THE DESK OF JULIET WENDT, M.D  
ASSISTANT PROFESSOR OF RADIOLOGY AND PEDIATRICS  
BAYLOR COLLEGE OF MEDICINE  
DEPT. OF RADIOLOGY MC-360  
ONE BAYLOR PLAZA  
HOUSTON, TEXAS 77030**

*Ms ib  
J-6*

May 9, 2007

Re: Ranjita Sengupta, M.D.  
Mail Control No.140243

*29-30572-01  
03035398*

Dennis R. Lawyer  
Health Physicist  
Commercial and R&D Branch  
Division of Nuclear Materials Safety  
Nuclear Regulatory Commission – Region 1  
475 Allendale Road  
King of Prussia, PA 19406-1415

Mr. Lawyer,

I have faxed form 313A (AUD) to you today. I want to clarify the training of Ranjita Sengupta, M.D., in nuclear cardiology.

She completed an 80 hour course of didactic and laboratory training in the basic sciences of nuclear imaging as listed on form 313A.

She completed one month of training in nuclear cardiology during calendar month September 2005 at St. Luke's Episcopal Hospital under Warren Moore, M.D., RAM Lic#00581 (Texas). During this month the trainees participate fully in radiopharmacy and quality control activities in order to formally complete the experience elements listed in Parts I(2) and I(3) on form 313A. Dr. Sengupta completed all of the requirements during this rotation. If you need further confirmation of this, you may contact Warren Moore, M.D., at 832 355-3126.

Dr. Sengupta completed the following hours of clinical training in nuclear cardiology at the following institutions, all of which are affiliated with Baylor College of Medicine:

400 hours at The Methodist Hospital, Houston Texas, in July and August 2005  
120 hours at St. Luke's Episcopal Hospital, Houston Texas in September 2005.  
120 hours at Kelsey Seybold Clinics, P.A., Houston Texas, in October 2005  
80 hours at Ben Taub General Hospital, Houston Texas, in November/December 2005.

*140243*

NMSS/RGN1 MATERIALS-002

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Her total training experience is 800 hours: 80 didactic/laboratory hours and 720 clinical hours.

Please contact me if you need any additional information not covered in form 313A (AUD) or this letter.

I will send you a hard copy of this letter on official letterhead

Sincerely,



Juliet Wendt, M.D.  
Program Director, Nuclear Medicine  
Baylor College of Medicine and  
Medical Director, Nuclear Medicine  
Ben Taub General Hospital  
Houston, Texas

[jwendt@bcm.tmc.edu](mailto:jwendt@bcm.tmc.edu)  
office 713 873-3615  
fax 713 873-3629

RAM Lic#01303  
Certification: ABNM 1992 and 2002

**AUTHORIZED USER TRAINING AND EXPERIENCE  
AND PRECEPTOR ATTESTATION**  
(for uses defined under 35.100, 35.200, and 35.500)  
[10 CFR 35.190, 35.290, and 35.590]

APPROVED BY OMB: NO. 3150-0120  
EXPIRES: 10/31/2008

Name of Proposed Authorized User

Ranjita Sengupta

State or Territory Where Licensed

New Jersey

Requested Authorization(s) (check all that apply)

35.100 Uptake, dilution, and excretion studies

35.200 Imaging and localization studies

35.500 Sealed sources for diagnosis (specify device \_\_\_\_\_)

**PART I - TRAINING AND EXPERIENCE**  
(Select one of the three methods below)

\* Training and Experience, including board certification, must have been obtained within the 7 years preceding the date of application or the individual must have obtained related continuing education and experience since the required training and experience was completed. Provide dates, duration, and description of continuing education and experience related to the uses checked above.

**1. Board Certification**

a. Provide a copy of the board certification.

b. If using only 35.500 materials, stop here. If using 35.100 and 35.200 materials, skip to and complete Part II Preceptor Attestation.

**2. Current 35.390 Authorized User Seeking Additional 35.290 Authorization**

a. Authorized user on Materials License \_\_\_\_\_ meeting 10 CFR 35.390 or equivalent Agreement State requirements seeking authorization for 35.290.

b. Supervised Work Experience.  
(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Description of Experience	Location of Experience/License or Permit Number of Facility	Clock Hours	Dates of Experience*
Eluting generator systems appropriate for the preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclidic purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs	St. Luke's Episcopal Hospital Houston, TX RAM License 00581	120 total	Sept. 2005

Total Hours of Experience: 120 hours

Supervising Individual

Warren Moore, M.D.

License/Permit Number listing supervising individual as an authorized user

L00581 (Texas)

Supervisor meets the requirements below, or equivalent Agreement State requirements (check all that apply).

35.290

35.390 + generator experience in 32.290(c)(1)(ii)(G)

**AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**X 3. Training and Experience for Proposed Authorized User**

a. Classroom and Laboratory Training.

Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation			
Radiation protection			
Mathematics pertaining to the use and measurement of radioactivity			
Chemistry of byproduct material for medical use (not required for 35.590)			
Radiation biology			
<b>Total Hours of Training: 80 hours</b>			

See attached form documenting 80 hours of didactic and laboratory course covering all these topics

b. Supervised Work Experience (completion of this table is not required for 35.590).  
(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Description of Experience	Location of Experience/License or Permit Number of Facility	Clock Hours	Dates of Experience*
Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys	St. Luke's Episcopal Hospital Houston, TX RAML 00581	120 total	Sept. 2005
Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters			
Calculating, measuring, and safely preparing patient or human research subject dosages			

**AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**3. Training and Experience for Proposed Authorized User (continued)**

**b. Supervised Work Experience. (continued)**

Description of Experience	Location of Experience/License or Permit Number of Facility	Clock Hours	Dates of Experience*
Using administrative controls to prevent a medical event involving the use of unsealed byproduct material			
Using procedures to contain spilled byproduct material safely and using proper decontamination procedures			
Administering dosages of radioactive drugs to patients or human research subjects			
Eluting generator systems appropriate for the preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclidic purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs			

**Total Hours of Experience:** 120 hours total

Supervising Individual <b>Warren Moore, M.D.</b>	License/Permit Number listing supervising individual as an authorized user <b>L00581 - Texas</b>
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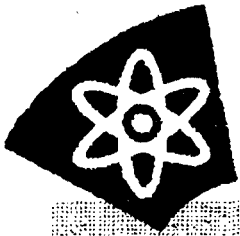
Supervisor meets the requirements below, or equivalent Agreement State requirements (check one).

- 35.190   
  35.290   
  35.390   
  35.390 + generator experience in 35.290(c)(1)(ii)(G)

**c. For 35.590 only, provide documentation of training on use of the device.**

Device	Type of Training	Location and Dates

**d. For 35.500 uses only, stop here. For 35.100 and 35.200 uses, skip to and complete Part II Preceptor Attestation.**



1153 Route 3 North  
Suite 82  
Gambrills, Maryland 21054  
(410) 451-5581  
(410) 451-5584 Fax

## Radiation Protection Services

TO: Ranjita Sengupta, MD and Julie Wendt, MD  
FAX: 713-873-3629, 713-797-1720  
DATE: May 8, 2007  
FROM: Scott Benjamin  
RE: Nuclear Licensure

Dear Dr. Sengupta:

Attached is the hour breakdown of the 80 hour training program that you took through St. Lukes last year. At the completion of the program, you were given a signed preceptor statement from the Cardiology Fellowship Program there. Unfortunately, I do not have a copy of that. That statement showed the completion of the 80 hour program. It appears that the NRC is looking for the breakdown of the hours as illustrated on NRC Form 313A. That has been completed and is attached here. I will call Dennis Lawyer at the NRC and forward this on to him.

If you have not already done so, make sure that you forward him the completed preceptor statement that you received last year.

I will follow up to ensure that you are successfully added to the license as you have completed the necessary didactic training.

Feel free to contact me directly at (410) 808-3228 or email at [scott@signaturecompanies.com](mailto:scott@signaturecompanies.com) if you have any further questions.

Regards,

Scott Benjamin

*Film Badge Services - Radiation Consulting*

NRC FORM 313A (AUG 10-2006) U.S. NUCLEAR REGULATORY COMMISSION  
**AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

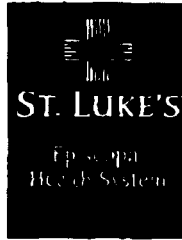
**3. Training and Experience for Proposed Authorized User**

**a. Classroom and Laboratory Training.**

Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation	St. Lukes Episcopal Hospital 6720 Bernier Street Houston, TX 77030	40	March 2006
Radiation protection	St. Lukes Episcopal Hospital	12	April 2006
Mathematics pertaining to the use and measurement of radioactivity	St. Lukes Episcopal Hospital	8	April 2006
Chemistry of byproduct material for medical use (not required for 35.590)	St. Lukes Episcopal Hospital	12	April 2006
Radiation biology	St. Lukes Episcopal Hospital	8	April 2006
<b>Total Hours of Training:</b>		<b>80 hours</b>	

**b. Supervised Work Experience (completion of this table is not required for 35.590).  
 (If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)**

Description of Experience	Location of Experience/License or Permit Number of Facility	Clock Hours	Dates of Experience*
Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys			
Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters			
Calculating, measuring, and safely preparing patient or human research subject dosages			



October 17, 2005

Re: Ranjita Sengupta

To Whom It May Concern:

This letter is to confirm the training and experience of Dr. Ranjita Sengupta. Dr. Sengupta rotated in the Cardiovascular Nuclear Medicine Laboratory of St. Luke's Episcopal Hospital during the month of September 2005. During this time she participated in a number of activities including radiopharmaceutical preparation and administration, quality control, imaging and image processing, as well as study interpretations. She completed 120 hours of training and experience and actively participated in the interpretation of 154 studies including Tc-99m myocardial perfusion (151), Tl-201 myocardial perfusion (2), and gated equilibrium blood pool (1). These activities were documented in appropriate logs.

Sincerely,

A handwritten signature in black ink that reads "W. H. Moore MD".

Warren H. Moore, M.D., FACC, FACNP  
Associate Professor of Radiology (Nuclear Medicine)  
Chief, Nuclear Medicine Service  
St. Luke's Episcopal Hospital/Texas Heart Institute

Texas RAM License L00581