

**Cardiology Associates of Somerset County
Division of Nuclear Medicine
745 Route 202-206 South
Bridgewater, NJ 08807
908-722-8739**

NMSB2

Licensing Assistant Section
Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

03035398

Re: Notification NRC License # 29-30572-01

March 1, 2007

Dear Sir/ Madam:

Please add Ranjita Sengupta M.D. as an authorized user to our NRC radioactive materials license # 29-30572-01. Enclosed for your review are the following:

- 1) Preceptorship papers signed by authorized user, Juliet A. Wendt M.D. from Ben Taub General Hospital, Texas License number L01303.
- 2) Curriculum vitae for Ranjita Sengupta, M.D.

Please contact Elaine Rovazzi, M.S., DABR, Physicist @ 973-322-5118 if you need additional information. Thank you in advance for your assistance.

Sincerely,



Jeff Taylor, M. D.
Management, Radiation Safety Officer

enc Preceptorship papers for Ranjita Sengupta, MD
Curriculum vitae for Ranjita Sengupta, MD

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NMSS/RGN1 MATERIALS-002



NRC
**Harris County
 Hospital District**



We will create a healthier community and be one of America's best community-owned healthcare systems.

P.O. BOX 66769, Houston, TX 77266-6769

www.hcidonline.com

BEN TAUB GENERAL HOSPITAL
 1504 Taub Loop
 Houston, TX 77030

May 1, 2006

Certification Board of Nuclear Cardiology
 19562 Clubhouse Rd.
 Montgomery Village, MD 20886

To Whom It May Concern:

Ranjita Sengupta, M.D., has completed a training program in nuclear cardiology that meets the requirements for Level 2 training as outlined in the ACC/ASNC COCATS Guidelines as revised in 2006.

Dr. Sengupta is competent to independently function as an authorized user under NRC 10 CFR 35.290 uses.

Sincerely,

Juliet A. Wendt, M.D.
 Medical Director, Nuclear Medicine
 Ben Taub General Hospital and
 Assistant Professor of Radiology and Pediatrics
 Baylor College of Medicine

RAM License (Texas) L01303

We improve our community's health by delivering high quality health care to Harris County residents and by training the next generation of health professionals.

PRECEPTOR STATEMENT FOR LICENSE APPLICATION

PREPARED FOR CONSIDERATION TO RAM LICENSE NUMBER: _____

Statement must be completed and signed by the physician preceptor. If new, the new preceptor is necessary to document experience, obtain a separate statement from each. Equivalent forms, including those from other Regulatory Agencies, will be accepted. Print or type.

Applicant's full name and address RANJITA SENGUPTA 7777 GREENBRIAR STREET APT #: 2008 HOUSTON, TX 77030	Dates of training JULY 2005 TO OCTOBER 2005
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Clinical Training and Experience of the Proposed Physician User

Column A Radionuclide	Column B Conditions Diagnosed or Evaluated	Column C Number of Cases Involving Personal Participation*	Column D Comments
1-125	Diagnosis of Thyroid Function		
or	Blood Volume or Blood Plasma Volume		
1-131	Liver Function		
or	Kidney Function Studies		
Co-57	In vitro Studies		
or	Schilling Test		
Co-58	(other)		
1-125	Detection of Thrombosis		
Xe-133	Labelled WBC for Infection Imaging		
	Cisternogram/Spinal Patency Imaging		
	Abscess or Tumor Imaging		
1-123	Pulmonary Ventilation/Blood Flow Imaging		
Tc-99m	Thyroid Imaging/Uptake		
	Cardiac Perfusion Imaging	> 800	
	Cardiac Perfusion, E.F., Gated Wall Motion	> 400	
	Blood Pool Imaging	> 40	
	Bone Imaging		
	Sentinel Node Imaging		
	Breast (Mammoscintigraphy) Imaging		
	Cystography/Ureteral Reflux Imaging		
	Diverticulum Imaging		
	Gastric Emptying and Reflux Imaging		
	GI Bleed Imaging		
	Hepatobiliary Imaging		
	Liver/Spleen and Bone Marrow Imaging		
	Lung Perfusion Imaging		
	Myocardial Infarction Imaging		
Renal Perfusion/HR Imaging			
Thyroid and Salivary Imaging			
Venography/Thrombus Imaging	(other)		
Tc-99m	P.E.T. imaging		
RADIOPHARMACEUTICAL PREPARATION			
2	Generator Elution and Testing		
5	Reagent Kit Preparation and Testing	(other)	

Experienced Physician User:

Column A Radioisotope	Column B Condition Treated	Column C Number of Cases Involving Personnel	Column D Comments
I-131 (NaI)	Hyperthyroidism/Graves/Multinodular Goiters Thyroid Cancer/Metastasis	} Not applicable	
I-131 (MoAb)	Non-Hodgkin's Lymphoma		
Y-90 (MoAb)	Non-Hodgkin's Lymphoma		
P-32 (soluble)	Polycythemia etc.		
P-32 (colloidal)	Intracavitary malignant effusions etc.		
Si-89	Palliative Bone Pain from Bone Metastasis		
Sm-153	Palliative Bone Pain from Bone Metastasis (other e.g., Intraarticular Drugs)		
Sr-90	Superficial eye conditions		
I-125	Eye plaques		
I-125	Interstitial Cancer		
Pd-103	Interstitial Cancer		
Au-198	Interstitial Cancer		
Cs-137	Intracavitary Cancer		
Ir-192	Interstitial Cancer		
Co-60	External Beam Therapy	System	
Ir-192	High Dose Rate After-Loader Therapy	System	
Sr-90, P-32, Ir-192	Intravascular Brachytherapy (other)		

***KEY TO COLUMN "C"**

- 1) Supervise orientation of patients to determine the suitability for radioisotope diagnosis under treatment and recommendation for prescribed dosage.
- 2) Collaborative in dose calibration and actual administration of dose to the patient including calculation of the radiation dose, related measurements and timing of dose.
- 3) Adequate period of training to enable physician to manage radioactive patients and follow patients through diagnosis and/or course of treatment.

SEE IS TAC §289.256(c)

A. TOTAL HOURS OF TRAINING COMBINED CLINICAL AND WORK EXPERIENCE: 716 HOURS WHERE OBTAINED Baylor College of Medicine Affiliated Hospitals

- DIAGNOSTIC PHYSICIAN USER TRAINING MUST HAVE INCLUDED THE FOLLOWING:
 - ORDERING, RECEIVING, UNPACKAGING, SURVEYING
 - CALIBRATING DOSE CALIBRATORS AND DIAGNOSTIC INSTRUMENTS
 - CALIBRATING AND PREPARING PATIENT DOSES
 - USING ADMINISTRATIVE CONTROLS TO PREVENT MISADMINISTRATIONS
 - OBTAINING SPELLS AND PERFORMING DECONTAMINATION
 - ELUTE MFT GENERATORS, TEST ELUATE AND PREPARE MFT
 - REVIEW PATIENT HISTORY; SELECT MEASURE AND ADMINISTER DOSES; COLLABORATIVE REPORTING; FOLLOW-UP
 - PHYSICS AND INSTRUMENTATION, PROTECTION, MATHEMATICS, PHARMACEUTICAL CHEMISTRY, RADIATION BIOLOGY

TOTAL HOURS OF DIDACTIC (CLASSROOM AND LABORATORY) TRAINING: 80 HOURS WHERE ATTENDED Baylor College of Medicine / St. Luke's Episcopal Hospital

B. COMPLETE FULL-SCOPE NUCLEAR MEDICINE TRAINING IN A RESIDENCY ACCREDITED BY ACCME OR COPT-AAA.
 PROGRAM DIRECTOR _____ TOTAL NO. OF MONTHS COMPLETED _____
 [OR] _____ DATE ISSUED _____

C. ACCEPTED BOARD SPECIALTY: _____

I CERTIFY THAT THE ABOVE NAMED PHYSICIAN SUCCESSFULLY COMPLETED THE SPECIFIED TRAINING WITHIN THE INSTITUTIONAL APPROVED TRAINING PROGRAM.

Juliet Wendt MD Ben Taub General Hospital
 NAME OF INSTITUTION PRESIDENT INSTITUTION

1504 Taub Loop
 ADDRESS

Houston, TX 77030
 CITY, STATE, ZIP

713 873-3615
 TELEPHONE NO.

Juliet Wendt
 SIGNATURE

NRC State Agreement State

RANJITA SENGUPTA

Address:

Immigration Status

(Cell)
(Pager)
sengupta@bcm.tmc.edu

Education/ Professional Training

Baylor College of Medicine- Houston TX (Fellowship in Cardiology)

July 2004-Current

- Non-invasive Cardiology with Level III Echo, Level II Nuclear Cardiology, Level II MRI/CT training on completion of fellowship (June 2007)

University of Connecticut, Farmington, CT (PGY-II Internal Medicine Residency)

July 2002- June 2004

- "Best Resident Award" in the graduating Internal Medicine Residency class of 2004, University of Connecticut-Farmington, CT (June 2004)

St. Barnabas Medical Center -Livingston, NJ (PGY-I Internal Medicine Categorical)

July 2001- June 2002

- "Outstanding Intern of the Year" Award.
- Represented program and declared champions in "Medical Jeopardy" - *The National Challenge Bowl Trophy, ACP-ASIM NJ (2002)*.

Coney Island Hospital - Brooklyn, NY (Extern - Research Associate)

July 2000 - June 2001

- Research projects in Cardiology and Pulmonary Critical Care, leading to several publications, presentations at the American College of Chest Physicians (ACCP) Conference and the Cecil Lehman Mayer Research Award.

Nilratan Sircar Medical College - University of Calcutta, India (MBBS)

Oct 1993 - Nov 1999

- Ranked 3rd in Medical Board (University of Calcutta), out of 700 students across 5 medical colleges.

Professional Licenses & Certifications

- Board certified in Internal Medicine
- Licensed to practice Medicine in Texas, USA
- Licensed to practice medicine throughout India.

Honors and Awards

- Best Resident Award in the graduating class of 2004, Internal Medicine Residency Program , University of Connecticut-Farmington, CT (Jun 2004)
- 3rd position in the poster presentation (clinical vignette section) "Refractory Hypoxemia after Right Ventricular Infarction" at the American College of Physicians Annual Meeting, Connecticut chapter- Southington, CT (Oct 2003)
- "Outstanding Intern of the Year Award" at St. Barnabas Medical Center - Livingston, NJ (May 2002).
- "Cecil Lehman Mayer Research Award" at the American College of Chest Physicians Conference - Philadelphia, PA (Nov 2001).
- 1st Class with Honors in Medicine (One of three students to receive honor, out of 700 in Medical Board).
- Gold Medal in Ophthalmology, MBBS degree (1997)-Awarded to the best student in a class of 150
- 2nd Certificate of Honor in Medicine, MBBS degree (1997)-One of two best students in a class of 150
- 1st Certificate of Honor in Community, Forensic and State Medicine during MBBS degree (1996)-one of two best students in a class of 150, in this specialty.

Publications

H. Dokainish, R Sengupta, R. Patel, N. Lakkis. "Usefulness of Right Ventricular Tissue Doppler Imaging to predict Outcome in Left ventricular Heart Failure Independent of Left Ventricular Diastolic Function." *Accepted by American Journal of Cardiology-in press.*

H. Dokainish, R. Gonzalez, W.B. Hartley, A. Caldera, S. Koshy, R. Sengupta, N. Lakkis. "Do BNP levels correlate with left ventricular filling pressures in the morbidly obese? An invasive hemodynamic and echo-Doppler study". Poster presentation at World Congress of Cardiology (European Society of Cardiology), (2006).

R Sengupta, R Patel, H Dokainish. "Right Ventricular Tissue Doppler is an independent predictor of outcome in patients with Left Ventricular Heart Failure". *Journal of the American Society of Echocardiography 2006 May; 19 (5):624.* Moderated poster presentation at American Society of Echocardiography Conference (2006).

R Sengupta, K. Yamaji, J. Lumbley J Buegler. "Severe Hemolysis after mitral valve repair". *Journal of the Methodist DeBakey Heart Center 2006 2(2);27-28*

MM Shenoy, R Sengupta, A Khanna. "Atrial pacing echocardiography: An alternative test for the elderly with chest pain". *American Journal of Geriatric Cardiology 2002 Nov-Dec; 11(6): 404-9*

RT Thachil, R Sengupta, P Krishnan, E Ong. "Do Patients with Left Ventricular Dysfunction require Higher Level of Continuous Positive Airway Pressure", *CHEST 2001 Oct; 120(4): 182S.* Oral presentation at the ACCP Conference (2001). Selected for *The Cecil Lehman Mayer Research Award.*

R Sengupta, RT Thachil, P Krishnan, SR Dhar. "The Predictors of Left Ventricular Dysfunction in Patients with Sleep Apnea". *CHEST 2001 Oct; 120(4): 182S.* Oral presentation at the ACCP Conference (2001).

S Sarkar, R Sengupta, P Krishnan, R Doshi, K Gupta, SR Dhar. "Experience with sarcoidosis in a non-referral community hospital". *CHEST 2001 Oct; 120(4): 270S.* Poster presentation at the ACCP Conference (2001).

S Sarkar, R Sengupta, P Krishnan, R Doshi, K Gupta, SR Dhar. "High incidence of bone metastasis in the absence of clinical and/or serum biomarkers of bone involvement". Poster presentation at the ACCP Conference (2001). *American Journal of Respiratory and Critical Care 2001 April; 163(5): A 71*

S Sarkar, T Nath, R Sengupta, SR Dhar. "Clinical Characteristics of pneumonia compared in elderly in a community hospital". Poster presentation at the ACCP Conference (2001). *American Journal of Respiratory and Critical Care 2001 April; 163(5): A 106.*

Current Research Projects

Etiology of dyspnea in healthy obese adults-a hemodynamic study. Baylor College of Medicine, Houston, TX

Effect of rapid weight loss on cardiac structure and function in healthy obese patients. Baylor College of Medicine, Houston, TX.

Effect of weight loss on quality of life in heart failure patients with systolic dysfunction. Baylor College of Medicine, Houston, TX

Professional Memberships

American College of Cardiology

Educational Committee for Baylor College of Medicine Cardiology

American Medical Association

American College of Physicians

This is to acknowledge the receipt of your letter/application dated

3/16/2007, and to inform you that the initial processing which includes an administrative review has been performed.

Amend. 29-30572-01
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 140243.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.