



3300 Gallows Road  
Falls Church, Virginia 22042-3300

Tel 703 776-4001

August 8, 2008

Br. 1

U. S. Nuclear Regulatory Commission  
Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415

03012235

Reference: NRC license # 45-17128-01

Inova Fairfax Hospital requests that their Materials License be amended as follows:

1. Inova Fairfax Hospital requests to add the following persons to their license:
  - a. Cardiology Nuclear Medicine User
    - i. Kambeez Berenji, M.D.
      1. Medical use described in 10 CFR 35.200 Imaging and Localization Studies.
      2. NRC form 313A (AUD) "Training and Experience", (attachment).
      3. Preceptor Letter (dated 9/10/07).
      4. Board Certification Nuclear Cardiology, (dated 4/21/06).
      5. University of Texas Training (dated 5/14/04).

If you have any questions concerning this request, please contact Michael Taylor, Radiation Safety Officer, at (703) 776-3705 or email: [michael.taylor@inova.org](mailto:michael.taylor@inova.org).

*Colleen Cohen*

Colleen Cohen  
Assistant Vice President  
Professional Services

2008 AUG 18 PM 12:49  
RECEIVED  
REGION I



142719  
NMSS/RGNI MATERIALS-002

**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  
Kambee Berenji, MD

State or Territory Where Licensed  
Virginia

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			

**Total Hours of Experience:**

Supervising Individual \_\_\_\_\_ License/Permit Number listing supervising individual as an authorized user \_\_\_\_\_

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)**

**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	University of Texas- San Antonio Division of Cardiology San Antonio, Texas	40	May 16, 2004
Radiation protection	University of Texas- San Antonio Division of Cardiology San Antonio, Texas	30	May 16, 2004
Mathematics pertaining to the use and measurement of radioactivity	University of Texas- San Antonio Division of Cardiology San Antonio, Texas	20	May 16, 2004
Chemistry of byproduct material for medical use (not required for 35.590)	University of Texas- San Antonio Division of Cardiology San Antonio, Texas	30	May 16, 2004
Radiation biology	University of Texas- San Antonio Division of Cardiology San Antonio, Texas	20	May 16, 2004
<b>Total Hours of Training:</b>		200	

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.)

Supervised Work Experience		Total Hours of Experience:	
Description of Experience Must Include:	Location of Experience/License or Permit Number of Facility	Confirm	Dates of Experience*
Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters		<input type="checkbox"/> Yes <input type="checkbox"/> No	

**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 Must Include:	Location of Experience/License or Permit Number of Facility	Confirm	Dates of Experience*
Calculating, measuring, and safely preparing patient or human research subject dosages		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Using administrative controls to prevent a medical event involving the use of unsealed byproduct material		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Using procedures to contain spilled byproduct material safely and using proper decontamination procedures		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Administering dosages of radioactive drugs to patients or human research subjects		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Supervising Individual

License/Permit Number listing supervising individual as an authorized user

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.**

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

**PART II - PRECEPTOR ATTESTATION**

Note: This part must be completed by the individual's preceptor. The preceptor does not have to be the supervising individual as long as the preceptor provides, directs, or verifies training and experience required. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each. (Not required to meet training requirements in 35.590)

**First Section**

Check one of the following for each use requested:

For 35.190

Board Certification

I attest that \_\_\_\_\_ has satisfactorily completed the requirements in

Name of Proposed Authorized User

10 CFR 35.190(a)(1) and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100.

OR

Training and Experience

I attest that \_\_\_\_\_ has satisfactorily completed the 60 hours of training and

Name of Proposed Authorized User

experience, including a minimum of 8 hours of classroom and laboratory training, required by 10 CFR 35.190(c)(1), and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100.

For 35.290

Board Certification

I attest that Kambee Berenji, MD has satisfactorily completed the requirements in

Name of Proposed Authorized User

10 CFR 35.290(a)(1) and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100 and 35.200.

OR

Training and Experience

I attest that \_\_\_\_\_ has satisfactorily completed the 700 hours of training

Name of Proposed Authorized User

and experience, including a minimum of 80 hours of classroom and laboratory training, required by 10 CFR 35.290(c)(1), and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100 and 35.200.

**Second Section**

Complete the following for preceptor attestation and signature:

I meet the requirements below, or equivalent Agreement State requirements, as an authorized user for:

- 35.190
- 35.290
- 35.390
- 35.390 + generator experience

Name of Preceptor James M Atkins, MD	Signature <i>James M Atkins</i>	Telephone Number 214-645-7500	Date 5/23/2008
License/Permit Number/Facility Name Texas # L00384/ University of Texas Southwestern Medical Center, Dallas, Texas			

THE UNIVERSITY OF TEXAS  
SOUTHWESTERN MEDICAL CENTER  
AT DALLAS

James M. Atkins, M.D.  
Professor

Department of Internal Medicine  
Division of Cardiology  
Emergency Medicine Education

9/10/07

Certification Board of Nuclear Cardiology  
19562 Club House Road  
Montgomery Village MD 20886-3002

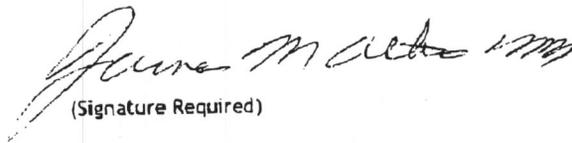
Dr. **Kambeez Berenji** has completed a nuclear cardiology training program that meets the requirements for Level 2 as outlined in the *ACCF/ASNC COCATS Guidelines for Training in Nuclear Cardiology, revised 2006* within an accredited program.

Dr. **Kambeez Berenji** completed Level 2 nuclear cardiology training between the dates of **11/1/2002** and **6/30/2005**.

I attest that Dr. **Kambeez Berenji** is competent to independently function as an authorized user under NRC 10 CFR 35.200 uses.

- The above-named applicant completed a minimum of 80 hours of classroom and laboratory training that meets the Nuclear Regulatory Commission (NRC) requirements as an INTEGRAL part of his/her fellowship/residency program.
- The above-named applicant completed a minimum of 80 hours of classroom and laboratory training that meets the NRC requirements external to his/her fellowship program.
- The above-named applicant is an Authorized User listed on a current Radioactive Materials Licence (RAM).

Sincerely,



(Signature Required)

Name of Preceptor: James M. Atkins MD

Title/Relationship to Applicant: Director of Nuclear Cardiology

NRC/Agreement State License Number (on RAM License): Texas # L00384

THE UNIVERSITY OF TEXAS  
SOUTHWESTERN MEDICAL CENTER  
AT DALLAS

James M. Atkins, M.D.  
Professor

Department of Internal Medicine  
Division of Cardiology  
Emergency Medicine Education

April 10, 2006

Hospital Credentialing Authority

Re: Kambeez Berenji, MD.

To Whom It May Concern:

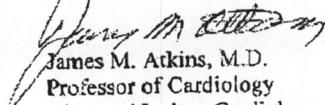
This is to certify that Dr. Kambeez Berenji has been under my supervision and training in the performance of imaging and localizing techniques as related to the field of nuclear cardiology. He has completed a training program in nuclear cardiology that meets the requirements for Level 2 training as outlined in the ACC/ASNC COCATS Guidelines [revised 2006].

This training included more than 300 nuclear SPECT scans. These studies included evaluation of ejection fraction and wall motion. These were mostly dual isotope with thallium and technetium isotopes. Ten percent were two-day technetium studies. Catheterization correlation was performed in greater than 10% of the cases. More than 20 viability studies were performed using thallium. In addition more than 50 gated blood pool studies including first pass and gated left ventricular studies (MUGA) for volume and ejection fraction were performed. This training also includes the required basic science courses.

The training includes hand on experience in terms of properly handling the isotopes with careful selection of the patients for study. This includes clinical conditions, appropriate dose calculation, administration of the radionuclide, and thereafter scanning the patient using SPECT (single photon emission computerized tomography) and planar imaging.

In my judgment, Dr. Berenji is competent to independently function as an authorized user under NRC 10 CFR 35.290 uses.

Sincerely,

  
James M. Atkins, M.D.  
Professor of Cardiology  
Director Nuclear Cardiology  
UT Southwestern Medical Center

  
James de Lemos, M.D.  
Director, Cardiology Fellowship  
UT Southwestern Medical Center

Texas Department of Health Services  
Radioactive Materials License L00384

Southwestern Medical School 5323 Harry Hines Blvd., HA9.133 / Dallas, Texas 75390-9047 / (214) 645-7500 Telefax (214) 645-7501

THE UNIVERSITY OF TEXAS  
SOUTHWESTERN MEDICAL CENTER  
AT DALLAS

James M. Atkins, M.D.  
Professor

Department of Internal Medicine  
Division of Cardiology  
Emergency Medicine Education

April 21, 2006

Certification Board of Nuclear Cardiology  
19562 Club House Road  
Montgomery Village, MD 20882-3002 USA  
Tel: 240.631.8151

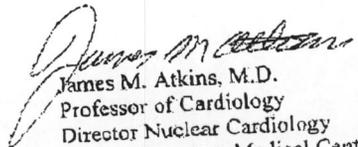
Re: Kambeez Berenji, MD.

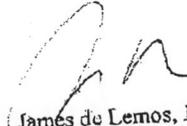
To Whom It May Concern,

Dr. Berenji has completed a training program in nuclear cardiology that meets the requirements for Level 2 training as outlined in the ACC/ASNC COCATS Guidelines [revised 2006].

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

Sincerely,

  
James M. Atkins, M.D.  
Professor of Cardiology  
Director Nuclear Cardiology  
UT Southwestern Medical Center

  
James de Lemos, M.D.  
Director, Cardiology Fellowship  
UT Southwestern Medical Center

Texas Department of Health Services  
Radioactive Materials License L00384

Southwestern Medical School 5323 Harry Hines Blvd. H1A9.133 / Dallas, Texas 75390-9047 / (214) 645-7300 Telefax (214) 645-7501

# University of Texas - San Antonio

## Division of Cardiology

Hereby certifies that

*Zambeez Berenji*

has successfully completed the 200 hours of didactic training  
in Basic Radioisotope Handling conducted  
in accordance with the requirements of Title 25 TAC 289.252 (W)(5)(B),  
Title 10 CFR 35.920 and agreement state regulations for localization and imaging studies.

### PROGRAM OUTLINE

Radiation Physics and Instrumentation - 100 hours  
Mathematics pertaining to the use and measurement of radioactivity - 20 hours  
Radiopharmaceutical Chemistry - 30 hours  
Radiation Biology - 20 hours  
Radiation Protection - 30 hours

*John M. Erikson, M.D.*

John M. Erikson, M.D., Ph.D.  
Director,  
Cardiology Fellowship

May 16, 2004

*Scott Benjamin*

Scott Benjamin  
Course Coordinator

# Certification Board of Nuclear Cardiology

Incorporated 1996

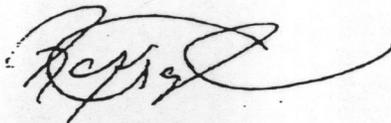
Certifies that

## Kambee Berenji, MD

HAVING MET THE REQUIREMENTS PRESCRIBED BY THIS BOARD  
FOR PHYSICIANS TRAINED IN THE UNITED STATES  
AND HAVING SATISFACTORILY PASSED THE REQUIRED EXAMINATION,  
IS HEREBY DESIGNATED

A DIPLOMATE CERTIFIED IN THE SUBSPECIALTY OF  
**NUCLEAR CARDIOLOGY**

**FOR THE PERIOD 2007 - 2017**



President



Secretary



CERTIFICATE NUMBER: 5586

BNC: Verification and Status

source: [www.CBNC.org](http://www.CBNC.org) website on May 23, 2008

ertification by the CBNC recognizes those physicians who have demonstrated knowledge skills in the field of Nuclear ardiology by successfully passing a comprehensive written examination administered by the CBNC. To date, there re 5,447 physicians certified by the CBNC.

you passed the exam and were testamur status, you need to provide documentation that you have passed your ardiology, Nuclear Medicine or Radiology examination before your certificate will be mailed and your name listed in e roster of Diplomates.

ll Diplomates certified in 1996 have indefinite certification. Beginning in 1997, certification is for a ten-year period ith re-certification required by December 31, ten years following initial certification for those wishing to maintain iplomate status with the CBNC.

The following records match your search criteria:

Name / Location	Info
<b>Dr. Kambeez Berenji</b> Tulsa, OK USA	Certificate Number: 5586 Certified in Nuclear Cardiology on 12/08/2007 Dr. Berenji's certification is valid until 12/31/2017.

SEARCH AGAIN

NOTE: For questions or further clarification, call the CBNC office at: 240.631.8151.

CERTIFICATION BOARD OF NUCLEAR CARDIOLOGY  
 101 Lakelands Boulevard, Suite 401, Gaithersburg MD 20877 - (T): 240.631.8151 - (F): 240.631.8152

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

8/8/08, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment (45-17128-01)  
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** 142719.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.