



**COMMUNITY** Hospital

Radiation Safety Office

November 25, 2009

Materials Licensing Branch  
USNRC Region III  
2443 Warrenville Road  
Lisle, IL 60532-4351

RE: 13-15882-01 License amendment: add AU

Dear Sirs:

Please amend our radioactive material license 13-15882-01 to:

Add M.T. Alahdab, MD, as an authorized user for 10CFR 35.200.

Enclosed as attachments: Certification by the Board of Nuclear Cardiology and 313A (AUD).

If you need additional information, please contact me at 219-836-7368 Voice, 219-852-6487 Fax, or ERZICKGRAF@COMHS.ORG E-mail.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Zickgraf", with the date "11/25/09" written to the right of the signature.

Eric Zickgraf, Ph.D., FACR,  
Radiation Safety Officer

cc: RSC

RECEIVED NOV 30 2009

# Certification Board of Nuclear Cardiology

Incorporated 1996

Certifies that

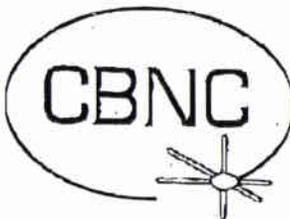
## M. Tarek Alahdab, MD

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



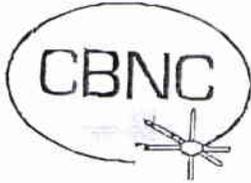
President



Secretary



CERTIFICATE NUMBER: 5846



## CERTIFICATION BOARD OF NUCLEAR CARDIOLOGY

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For Immediate Release  
 February 2008

### MOHAMAD TAREK ALAHDAB MD ACHIEVES BOARD CERTIFICATION IN NUCLEAR CARDIOLOGY

Gaithersburg, Maryland, USA - The Certification Board of Nuclear Cardiology (CBNC), a not-for-profit corporation established to develop and administer practice-related examinations in the field of Nuclear Cardiology, is pleased to announce that Mohamad Tarek Alahdab MD, of Darien, IL USA passed the certification examination in December 2007. Dr. Alahdab is now entitled to designate him/herself as "Diplomate of the Certification Board of Nuclear Cardiology".

<< Diplomate to add his/her biographical information here >>

The purposes of the CBNC Certification Program are to establish the domain of the practice of Nuclear Cardiology for certification; to assess the level of knowledge demonstrated by Nuclear Cardiology specialists in a valid manner; to encourage professional growth in, and enhance the quality of, the practice of Nuclear Cardiology; to recognize formally individuals who meet the requirements set by CBNC; and to serve the public by encouraging quality patient care in the practice of Nuclear Cardiology.

CBNC has been recognized by the Nuclear Regulatory Commission (NRC) as meeting the requirements for the specialty board certification pathway under 10 CFR Part 35, Section 35.290.

#### About CBNC

The Certification Board of Nuclear Cardiology, a not-for-profit corporation established in 1996, is a fully autonomous entity, independent of any other association, society, or academy. This independence allows the CBNC to maintain integrity concerning policy matters related to certification. Since 2003, CBNC has collaborated with the European Council of Nuclear Cardiology (ECNC) to offer the examination in a European venue. ECNC has representation on the CBNC's Examination Committee.

To date, 5,494 physicians have been certified in nuclear cardiology.

For further information contact:

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 Executive Director  
 Certification Board of Nuclear Cardiology  
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 Gaithersburg Maryland 20877 USA  
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[www.cbnc.org](http://www.cbnc.org); [edgerton@cbnc.org](mailto:edgerton@cbnc.org)

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Rami Doukky, MD, FACC  
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 Director of Stress Testing  
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RUSH UNIVERSITY  
 COLLEGE OF NURSING  
 RUSH MEDICAL COLLEGE  
 COLLEGE OF HEALTH SCIENCES  
 THE GRADUATE COLLEGE



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

September 23, 2007

Re: Mohamad Tarek Alahdab, M.D.

Dr. Mohamad Tarek Alahdab 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 cardiology fellowship program at John H. Stroger Jr. Hospital of Cook County and Rush University Medical Center from July 1, 2005 to present date.

Dr. Mohamad Tarek Alahdab has completed Level 2 nuclear cardiology training between the dates of July 01, 2003 and June 30, 2006. I attest that Dr. Mohamad Tarek Alahdab is competent to independently function as an authorized user under NRC 10 CFR 35.200 uscs.

Dr. Mohamad Tarek Alahdab completed a minimum of 80 hours of classroom and laboratory training that meets the NRC requirements external to his fellowship program.

Should you have any questions please feel free to contact me by phone at (312) 563-2534 or email at rami\_doukky@rush.edu.

Sincerely,

Rami Doukky, MD, FACC, FASNC  
 Director of Nuclear Cardiology  
 Director of Stress Testing Laboratories  
 Rush University Medical Center  
 Assistant Professor of Medicine  
 Rush Medical College

Institutional License # IL-01766-01  
 Certified by: CBNC. Certificate # 2005

NRC FORM 313A (AUD) (3-2009)	U.S. NUCLEAR REGULATORY COMMISSION
<b>AUTHORIZED USER TRAINING AND EXPERIENCE                  AND PRECEPTOR ATTESTATION</b> (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: 3/31/2012

Name of Proposed Authorized User <b>Mohamad Tarek Alahdab, MD</b>	State or Territory Where Licensed <b>IL, IN</b>
--	--

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 35.290 )

**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	Rush University Medical Center, Chicago John H. Stroger Hospital, Chicago Corscan Course in St Louis	8-12 daily x 4 weeks per rotation, add 80 hours didactic and nuc facility Corsca	9/2005, 4wks 5/2006, 4wks 10/2006, 4wks 12/2006, 4wks 7/2007, 4wks

**Total Hours of Experience: 400**

Supervising Individual <b>Rami Doukky, MD, FACC</b>	License/Permit Number listing supervising individual as an authorized user
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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)

NRC FORM 313A (AUD) (3-2009) U.S. NUCLEAR REGULATORY COMMISSION  
**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.**

NRC FORM 313A (AUD)  
(3-2009)

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			
Radiation protection			
Mathematics pertaining to the use and measurement of radioactivity			
Chemistry of byproduct material for medical use <i>(not required for 35.590)</i>			
Radiation biology			
<b>Total Hours of Training:</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.)*

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	

NRC FORM 313A (AUD)  
(3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

**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)

By checking the boxes below, the preceptor is attesting that the individual has knowledge to fulfill the duties of the position sought and not attesting to the individual's "general clinical competency."

**First Section**

Check one of the following for each use requested:

For 35.190

Board Certification

I attest that Mohamad Tarek Alahdab 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 Mohamad Tarek Alahdab 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 Rami Doukky, MD, FACC	Signature <i>Rami Doukky</i>	Telephone Number 312-663-2534	Date 11/4/09
--	---------------------------------	----------------------------------	-----------------

License/Permit Number/Facility Name  
Rush University Medical Center, NRC No.

The Community Hospital  
**Medical Physics Department**  
901 MacArthur Blvd.  
Munster, IN 46321

FIRST-CLASS



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NOV 25 2009  
ZIP 46601  
0801 105288

Materials Licensing Branch  
USNRC Region III  
2443 Warrenville Road  
Lisle, IL 60532

