



Certification Board of Nuclear Cardiology

A Division of the Council for Certification in CardioVascular Imaging

EXPERT IMAGERS • QUALITY CARE

BOARD OF DIRECTORS

President

Thomas A. Holly, MD

Vice President

Raymond R. Russell, MD, PhD

Secretary

Mary L. Zasadil, MD

Representing the American Society of Nuclear Cardiology

Jeffrey A. Rosenblatt, MD

Edwin Wu, MD

Mary L. Zasadil, MD

Representing the American College of Cardiology

Aseem Vashist, MBBS

At Large Directors

Lance T. Hall, MD

Thomas A. Holly, MD

Diwakar Jain, MD

Richard A. Key, PharmD

Edward J. Miller, MD, PhD

Raymond R. Russell, MD, PhD

Representatives of the CCCVI

James A. Arrighi, MD

Robert J. Gropler, MD

Howard C. Lewin, MD

Chief Executive Officer

Dawn M. Edgerton, MA

February 2015

Hrak Chemchirian, MD

Eligibility ID: NC18425

Dear Dr. Chemchirian:

We are pleased to inform you that the Certification Board of Nuclear Cardiology (CBNC) has determined that your score on the certification examination of December 2014 meets the standards the Board has established for certification in nuclear cardiology. Congratulations on your achievement!

The passing score of 109 questions correct was determined by an independent panel of peers, representing the disciplines involved in the practice of nuclear cardiology, drawn from both private practice and academia.

The number of questions you answered correctly was 133. The enclosed diagnostic report shows the number of questions for which you provided the correct response in each content area.

As of now, you have "Testamur" status with CBNC. Please be aware that this status has no real standing; however, once we receive documentation from you that you have passed your Cardiology, Nuclear Medicine or Radiology boards and evidence of a current, unrestricted medical license, we will change your status to Diplomate. To do this, you can fax a copy of your Cardiology, Nuclear Medicine or Radiology passing score letter, your certificate or a printout from the certification board website, with a copy of your current, unrestricted license to FAX 240-631-8152. We will then mail your certificate and at that time you will be listed as a Diplomate on the CBNC website. Please note that you must provide CBNC with documentation of your successful primary board certification within 6 years of passing the CBNC examination, and that your certification period will date from January 2014.

As you may recall, on your application for the exam you were asked to identify the name you wanted to appear on your certificate if you passed. Please review the name below to be certain it is correct. If you see an error, please inform us immediately.

Certificate Name: Hrak Chemchirian, MD

It is important for future communications that you keep CBNC informed of any address and/or email changes. You can update contact information by login to your online CBNC account or by creating yourself an online CBNC account at www.cccvi.org/cbnc or send a signed request by fax to 240-631-8152.

On behalf of the Certification Board of Nuclear Cardiology, I wish to thank you for your participation in the CBNC examination. Again, congratulations on your success.

Sincerely,

Thomas A. Holly, M.D.
President

Enclosure

PERSONAL INFORMATION WAS REMOVED
BY NRC. NO COPY OF THIS INFORMATION
WAS RETAINED BY THE NRC.

101 Lakeforest Boulevard • Suite 401 • Gaithersburg, Maryland 20877

Tel: 240.631.8151 • Fax: 240.631.8152 • administration@cbnc.org • www.cccvi.org/cbnc



QUILLEN
ETSU PHYSICIANS
Department of Internal Medicine
Division of Cardiology
329 North State of Franklin Road
Johnson City, TN 37604
(423) 979-4100, Fax: (423) 979-4134

CLICK TO PRINT Must Print On One Side

Certification Board of Nuclear Cardiology
101 Lakeforest Boulevard, Suite 401
Gaithersburg MD 20877

Dr. **Hrak Chemchirian** 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 2008* within an accredited fellowship ☒ program.

Dr. **Chemchirian** completed Level 2 nuclear cardiology training between the dates of **07/02/2012** and **09/08/2014** (use mm/dd/yyyy).

I attest that Dr. **Chemchirian** 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 (RAM) License (if applicable).

Sincerely,

Vijay Ramu

(Signature Required)

Name of Preceptor: Dr Vijay Ramu

Title/Relationship to Applicant: Program Director and Preceptor Authorized User

☒ A statement regarding COCATS Level 2 Training in Nuclear Cardiology at our institution as well as my status as preceptor or nuclear cardiology program director is on file at the CBNC Office. The training of the above-named applicant complies with all components of the statement on file.



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
 DIVISION OF RADIOLOGICAL HEALTH
 WILLIAM R. SNODGRASS TENNESSEE TOWER, 15TH FLOOR
 312 ROSA L. PARKS AVENUE, NASHVILLE, TENNESSEE 37243

RADIOACTIVE MATERIAL LICENSE

Amendment 15

Pursuant to Tennessee Department of Environment and Conservation Regulations, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess and transfer radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules and regulations of the Tennessee Department of Environment and Conservation and orders of the Division of Radiological Health, now or hereafter in effect and to any conditions specified below.

LICENSEE

1. Name: ETSU Heart

2. Address: 329 North State of Franklin Road
 Johnson City, Tennessee 37604

3. License No.:

R-90045-H15
 Amended In Entirety

4. Expiration date:

August 31, 2015

5. File No.:

R-90045

6. Radioactive Material
 (Element and Mass Number)

8. Chemical and/or Physical Form

9. Maximum Radioactivity and/or quantity
 of material which licensee may possess at
 any one time.

SEE SUPPLEMENTARY SHEETS

10. Authorized Use

SEE SUPPLEMENTARY SHEETS

CONDITIONS

11. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.

SEE SUPPLEMENTARY SHEETS

For the Commissioner
 Tennessee Department of Environment and Conservation

By:

Division of Radiological Health
 Gerald W. Bacon
 Health Physicist

Date of Issuance: August 6, 2013

Page 1 of 4 Pages



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF RADIOLOGICAL HEALTH
WILLIAM R. SNODGRASS TENNESSEE, TOWER, 15TH FLOOR
ROSA L. PARKS AVENUE, NASHVILLE, TENNESSEE 37243

RADIOACTIVE MATERIAL LICENSE

Amendment 15

SUPPLEMENTARY SHEET

Page 2 of 4 Pages

License Number R-90045-III15

6. Radioactive Material
(Element and
Mass Number)

8. Chemical
and/or
Physical Form

9. Maximum Radioactivity
and/or Quantity of Material
Which Licensee May
Possess at Any One Time

A. Any radioactive material
as permitted in Rule
0400-20-07-.38 of
"State Regulations for
Protection Against
Radiation."

A. Any

A. As necessary for the
uses authorized in
Item 10.A.

B. Any radioactive material
as permitted in Rule
0400-20-07-.40 of
"State Regulations for
Protection Against
Radiation."

B. Any, except generators

B. As necessary for the
uses authorized in
Item 10.B.

C. Any radioactive material

C. As specified in "State
Regulations for Protec-
tion Against Radiation"
0400-20-07-.31.

C. As specified in "State
Regulations for Protec-
tion Against Radiation"
0400-20-07-.31.

10. Authorized Use

A. Uptake, dilution, excretion studies for which a written directive is not required.
(Rule 0400-20-07-.38 of "State Regulations for Protection Against Radiation)."

B. Imaging and localization studies for which a written directive is not required.
(Rule 0400-20-07-.40 of "State Regulations for Protection Against Radiation)."

C. Calibration, reference, or transmission sources.
(Rule 0400-20-07-.31 of "State Regulations for Protection Against Radiation.")



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF RADIOLOGICAL HEALTH
WILLIAM R. SNODGRASS TENNESSEE, TOWER, 15TH FLOOR
ROSA L. PARKS AVENUE, NASHVILLE, TENNESSEE 37243

RADIOACTIVE MATERIAL LICENSE

Amendment 15

SUPPLEMENTARY SHEET

Page 3 of 4 Pages

License Number R-90045-H15

Conditions (continued)

12. The licensee shall comply with applicable provisions of 0400-20-04, 0400-20-05, 0400-20-07, and 0400-20-10 of "State Regulations for Protection Against Radiation."
13. The Radiation Safety Officer for this license is Janice Lyles.
14. Licensed material is only authorized for use by, or under the supervision of:
 - A. Individuals permitted to work as authorized users in accordance with "State Regulations for Protection Against Radiation" 0400-20-07-.13 and 0400-20-07-.14.
 - B. The following authorized users for the material and medical uses as specified:

All radioactive material authorized by this license:

Kais Adli AlBalbissi, M.D.	Vijay Ramu, M.D.
Christopher J. Downs, M.D.	Steven M. Smith, M.D.
Timir K. Paul, M.D.	
15.
 - A. Sealed sources authorized by this license shall be tested for leakage and/or contamination in accordance with "State Regulations for Protection Against Radiation" 0400-20-07-.32.
 - B. Records of leak tests shall be retained in accordance with "State Regulations for Protection Against Radiation" 0400-20-07-.111.
 - C. Tests for leakage and/or contamination shall be performed by persons authorized by this Department, the U.S. Nuclear Regulatory Commission, or another Agreement State to perform such services.
16. The licensee shall not open sealed sources containing radioactive material.
17. The licensee is authorized to hold radioactive material with a physical half-life of 120 days or less for decay-in-storage before disposal in ordinary trash provided:



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF RADIOLOGICAL HEALTH
WILLIAM R. SNODGRASS TENNESSEE, TOWER, 15TH FLOOR
ROSA L. PARKS AVENUE, NASHVILLE, TENNESSEE 37243

RADIOACTIVE MATERIAL LICENSE

Amendment 15

SUPPLEMENTARY SHEET

Page 4 of 4 Pages

License Number R-90045-H15

- A. Before disposal as ordinary trash, radioactive waste shall be surveyed at the container surface with the appropriate survey instrument set on its most sensitive scale with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
- B. A record of each disposal made under this condition shall be retained for three years. The record must include the date of disposal, the date on which the radioactive material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.
18. The licensee may use a shield device for performing linearity tests of his dose calibrator provided he or she follows the manufacturer's procedures for its use. These procedures shall be maintained for inspection by the Department.
19. No provision of this license relieves the licensee from compliance with other Federal, State, and local laws, ordinances, and regulations applicable to the licensee's activities.
20. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 8, and 9 of this license in accordance with statements, representations, and procedures contained in the following:
- Application and letter dated July 1, 2005, with attachments
 - Facsimiles received April 15, 2009 and April 30, 2009
 - Letters dated August 2, 2005, with attachments, February 16, 2006, September 17, 2006, with attachments, November 5, 2007, March 26, 2008, with attachments, April 7, 2009, July 10, 2009, with attachment, September 12, 2011, December 14, 2011, with attachments, June 18, 2012, August 1, 2012, with attachments, and **July 10, 2013, with attachments.**