

**Cardiac Testing Center
Division of Nuclear Medicine
29 South Street
New Providence, NJ 07974**

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

Br. 2

03022155

Re: Notification NRC License # 29-20960-01

September 12, 2006

Dear Sirs :

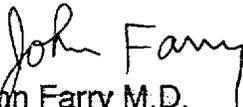
Please add the following physicians to our NRC license as authorized users for 35.200 cardiovascular imaging.

- 1) Roberto R. Roberti, M.D. enclosed for your review are:
 - a) CNCC Nuclear Cardiology Board Certification
 - b) Curriculum vitae for Dr. Roberti
 - c) NRC License # 29-28773-01 listing Roberto Roberti, M.D. as an authorized user for 35.200 cardiovascular imaging.

- 2) Alexander E. Kasatkin, M.D. enclosed for your review are:
 - a) CNCC Nuclear Cardiology Board Certification
 - b) Curriculum vitae for Dr. Kasatkin
 - c) Institute of Nuclear Medical Education certificates
 - d) Preceptorship letter signed by authorized user Andrew Van Tosh, M.D. Beth Israel Medical Center, New York, NY

Thank you in advance for your assistance. Please contact our Physics Consultant, Elaine Rovazzi, M.S. @ (973) 322-5118 for further information.

Sincerely,


John Farry M.D.
Management, Cardiac Testing Center

enc. Curriculum vitae Roberto Roberti, M.D.
CNCC Board Certification of Roberto Roberti, M.D.
NRC License # 29-28770-01 listing Dr. Roberti as an authorized user
Curriculum vitae Alexander E. Kasatkin, M.D.
CNCC Board Certification for Alexander E. Kasatkin, M.D.
Institute of Nuclear Medical Education Certificates for Dr. Kasatkin
Preceptorship letter signed by Andrew Van Tosh, M.D., Beth Israel Medical Center, NY

REC'D IN LAT 9/25/2006

(Ref. 139900)

139452
NMSS/RGNI MATERIALS-002

**CARDIAC TESTING CENTER
29 SOUTH STREET
NEW PROVIDENCE
NEW JERSEY 07974
(908) 665-9500**

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

Re: Notification of NRC License # 29-20960-01

July 25, 2006

Dear Sirs:

Please delete Peter Michael Lenchur, M.D as an authorized user for 35.200 Cardiovascular clinical procedures from our Radioactive Materials License. Dr. Lenchur has permanently discontinued his duties at our facility.

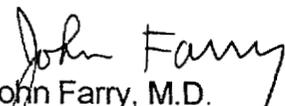
Please make this effective at both our facilities:

29 South Street
New Providence,
New Jersey 07974

33 Overlook Road
Summit,
New Jersey 07901

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

Sincerely,


John Farry, M.D.
Facility Administrator

2006 SEP 25 PM 2:00

RECEIVED
REGION I

THE CERTIFICATION BOARD OF NUCLEAR CARDIOLOGY

Incorporated 1996

CERTIFIES THAT

Alexander E. Kasatkin, M.D.

HAVING MET THE REQUIREMENTS PRESCRIBED BY THIS BOARD FOR PHYSICIANS RESIDING
IN THE UNITED STATES AND HAVING SATISFACTORILY PASSED THE REQUIRED EXAMINATION,

IS HEREBY DESIGNATED

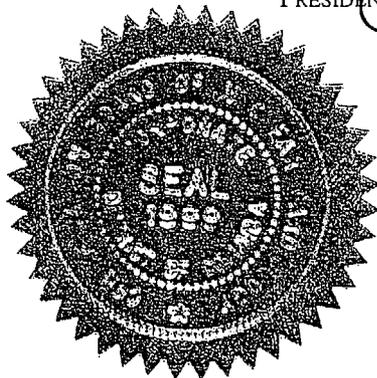
A DIPLOMATE CERTIFIED IN THE SUBSPECIALTY OF

NUCLEAR CARDIOLOGY

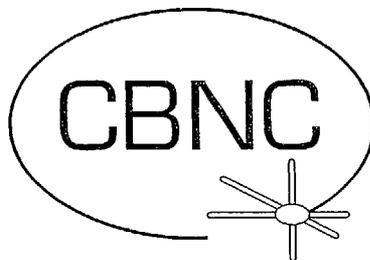
FOR THE PERIOD 2005 THROUGH 2015

Manoel D. Figueira
PRESIDENT

Jon A. Amighi
SECRETARY



CERTIFICATE # 3986



OCTOBER 23, 2005

Date/Time: Sep. 21. 2006 5:21AM

File No.	Mode	Destination	Pg(s)	Result	Page Not Sent
6470	Memory TX	18286679673	P. 3	OK	

Reason for error
 E. 1) Hang up or line fail
 E. 2) Busy
 E. 3) No answer
 E. 4) No facsimile connection
 E. 5) Exceeded max. E-mail size

Echo

CARDIAC TESTING CENTER
 29 SOUTH STREET
 NEW PROVIDENCE, NJ 07914
 (908) 664-9090
 TAX ID# 22-069711

ECHOCARDIOGRAM PROCEDURE SHEET

Patient Name: GARY PARK Date: 9/21/06
 Provider: mich Location: New Providence
 Referring MD: HAKIM Summit
 Insurance: USHC Payment: _____

- ___ 93307 TRANSTHORACIC ECHO (2D) COMPLETE
- ___ 93320 DOPPLER ECHO
- ___ 93325 COLOR FLOW
- ___ 93350 ECHO DURING REST AND STRESS TEST
- ___ 93615 STRESS TEST GLOBAL
- ___ 93308 FOLLOW-UP OR LIMITED STUDY (NOT IN ADDITION TO OTHER ECHO CODES)
- ___ 90784 THERAPEUTIC OR DIAGNOSTIC INJECTION: INTRAVENOUS
- ___ Q9957 Injection: Perfloran Lipid Microspheres, per ml

Code	Diagnosis	Code	Diagnosis
___ 391.8	Rh. Fever mult. Involvement *	___ 785.0	Tachycardia Unspecified
___ 394.0	Rh. Mitral Stenosis *	___ 785.1	Palpitations
___ 394.1	Rh. Mitral Insufficiency *	___ 785.2	Undiagnosed Heart Murmur *
___ 394.2	Rh. MS/MR *	___ 785.3	Other Abnormal Heart Sounds
___ 394.9	Rh. Other Mitral Valve *	___ 786.0	Dyspnea *
___ 395.0	Rh. Aortic Stenosis *	___ 786.05	Shortness of Breath *
___ 395.2	Rh. AS/AI *	___ 786.02	Orthopnea
___ 396.0	Rh. MS/AS *	___ 425.1	Hypertrophic Obstr. Cardiomyopathy *
___ 396.1	Rh. MS/AI *	___ 425.4	General Cardiomyopathy *
___ 396.2	Rh. MS/AS *	___ 425.5	Alcoholic Cardiomyopathy *
___ 396.3	Rh. MR/AI *	___ 428.0	Congestive Heart Failure *
___ 401.0	Hypertension (unspec.)	___ 429.6	Rupture of Pap. Muscle *
___ 411.8	Cerebral Occlusion w/o MI	___ 429.71	Acquired Cuspid Septal Defect *
___ 412	Old Myocardial Infarction *	___ 429.79	Mural Thrombus *
___ 413	Angina Pectoris	___ 427.0	Paroxysmal SVT *
___ 414.0	ASHD	___ 427.31	Atrial Fibrillation *
___ 414.1	Aneurysm of Heart	___ 427.32	Atrial Flutter *
___ 414.9	Chronic ischemic Ht. Disease *	___ 427.69	Premature Beats *
___ 416.0	Primary Pulmonary HTN * >	___ 429.9	Heart Disease Unspec. *
___ 424.0	Mitral Valve Disorders * > non	___ 435.9	T.I.A. *
___ 424.1	Aortic Valve Disorders * > Rheumatic	___ 441.2	Thoracic Aneurysm *
___ 424.2	Tricuspid Valve Disorders *	___ 458.0	Hypotension *
___ 424.3	Pulmonic Valve Disorders * >	___ 518.82	Respiratory Distress *
___ 759.82	Marfan's Syndrome *	___ 780.2	Syncope and Collapse *
___ V43.3	SP Prosthetic Heart Valve	___ 782.3	Edema *

NUCLEAR MEDICAL EDUCATION PROGRAM

Affidavit of Academic Completion & Competency

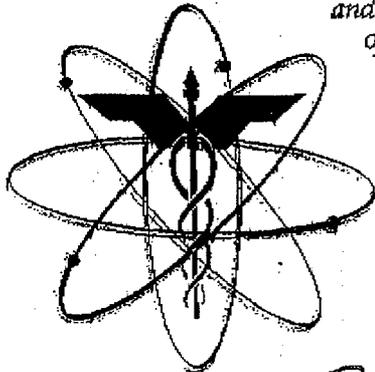
This document is to attest that

Alexander E. Kasatkin, MD

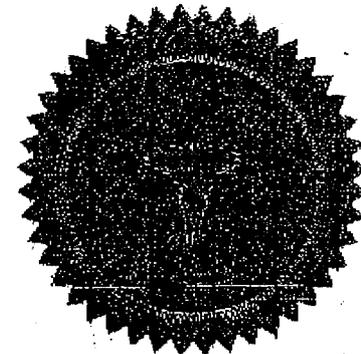
has successfully completed the didactic program

RADIOPHARMACEUTICALS AND CHEMISTRY

and has provided evidence of attendance in this program and evidence of achieving the objectives of this program through examination. This program provides the following levels of accomplishment:



- 5.0 Continuing Education Units (CEU)
- 50 Didactic Instructional Hours (DIH)
In compliance with 10CFR35 / AEA 73-689
- 50 Board Accepted Hours NUSPEX, NMTCB III b,
ABMRSO, CBNC, MRLB
- 3.0 Semester Hours American Council on
Education (ACE), American Association for
Collegiate Registrars




Certifying Official

21 Mar 2004

Date Completed

202126

Certification

Institute for Nuclear Medical Education

Certified, Approved and Regulated by the Division of Private Occupational Schools, Department of Higher Education in Colorado. Validated by the Accrediting Commission of the Accrediting Council for Continuing Education Training, a national accrediting agency listed by the US Secretary of Education. Validated by the American Council on Education, recognized by the American Association for Collegiate Registrars, Council on Post-Secondary Education. Licensed by NRC & Agreement States.

INME 1132-Class IV-Comp&Comp 1/00

NUCLEAR MEDICAL EDUCATION PROGRAM

Affidavit of Academic Completion & Competency

This document is to attest that

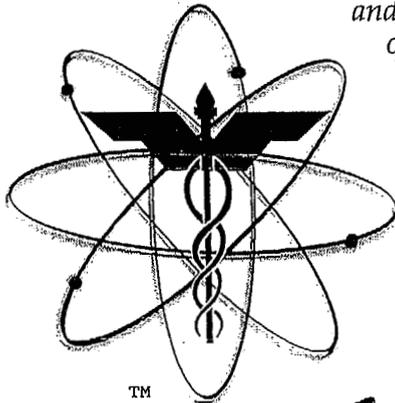
Alexander E. Kasatkin, MD

has successfully completed the didactic program

PRINCIPLES OF RADIATION PHYSICS

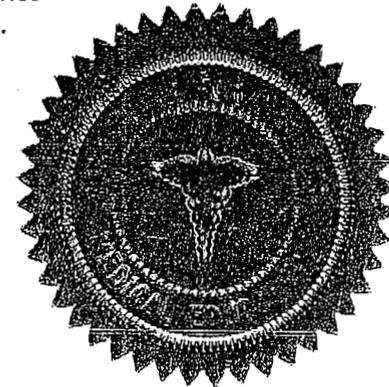
and has provided evidence of attendance in this program and evidence of achieving the objectives of this program through examination.

This program provides the following levels of accomplishment:



TM

- 5.0 Continuing Education Units (CEU)
- 50 Didactic Instructional Hours (DIH)
In compliance with 10CFR35/AEA 73-689
- 50 Board Accepted Hours NUSPEX, NMTCB III b,
ABMRSO, CBNC, MRLB
- 3.0 Semester Hours American Council on
Education (ACE), American Association for
Collegiate Registrars




Certifying Official

30 June 2004

Date Completed

202483

Certification

Institute for Nuclear Medical Education

Certified, Approved and Regulated by the Division of Private Occupational Schools, Department of Higher Education in Colorado. Validated by the Accrediting Commission of the Accrediting Council for Continuing Education Training, a national accrediting agency listed by the US Secretary of Education. Validated by the American Council on Education, recognized by the American Association for Collegiate Registrars, Council on Post-Secondary Education. Licensed by NRC & Agreement States.

INME1132-Class 1-Comp&Comp 1/00

NUCLEAR MEDICAL EDUCATION PROGRAM

Affidavit of Academic Completion & Competency

This document is to attest that

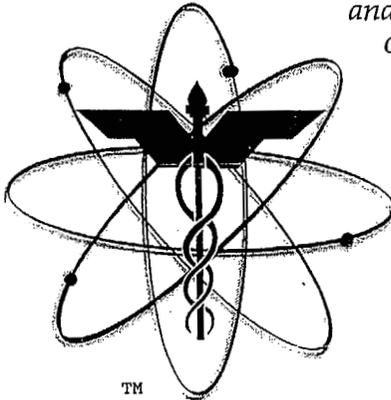
Alexander E. Kasatkin, MD

has successfully completed the didactic program

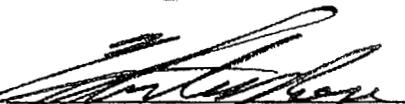
MEDICAL RADIATION INSTRUMENTATION

and has provided evidence of attendance in this program and evidence of achieving the objectives of this program through examination.

This program provides the following levels of accomplishment:



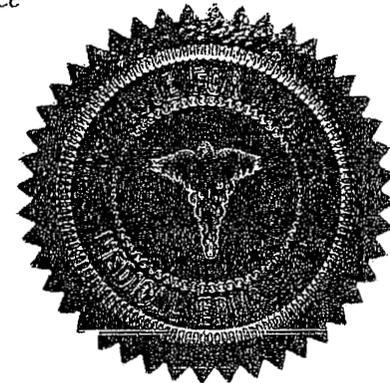
TM


Certifying Official

- 5.0 Continuing Education Units (CEU)
- 50 Didactic Instructional Hours (DIH)
In compliance with 10CFR35/AEA 73-689
- 50 Board Accepted Hours NUSPEX, NMTCB III b,
ABMRSO, CBNC, MRLB
- 3.0 Semester Hours American Council on
Education (ACE), American Association for
Collegiate Registrars

04 July 2004

Date Completed



202464

Certification

Institute for Nuclear Medical Education

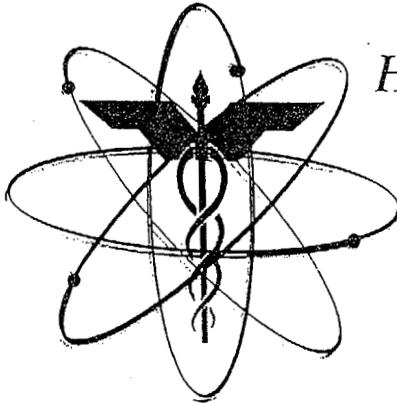
Certified, Approved and Regulated by the Division of Private Occupational Schools, Department of Higher Education in Colorado. Validated by the Accrediting Commission of the Accrediting Council for Continuing Education Training, a national accrediting agency listed by the US Secretary of Education. Validated by the American Council on Education, recognized by the American Association for Collegiate Registrars, Council on Post-Secondary Education. Licensed by NRC & Agreement States.

INME1132-Class II-Compl&Comp 1/00

CERTIFICATE OF COMPLETION
HAZMAT TRAINING - RADIOACTIVE MATERIALS

This document is to certify that

Alexander E. Kasatkin, MD



*Has received training and has been tested
as required by 49CFR 172.704(d). This
training was limited to diagnostic
radioactive materials received or offered
for shipment in approved Type A
Packages, Class 7, UN2915, Yellow II.*

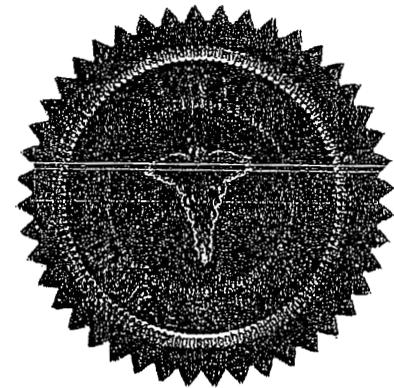
22 April 2004

Date Completed

Instructor/Supervisor

202044

Certification



Training Materials and Records are located at

INME - Institute for Nuclear Medical Education • 5660 Airport Boulevard, Suite 101 • Boulder, Colorado 80301
(303) 541-0044 • (303) 541-0066 FAX • (800) 548-4024 • inme@nuclearcardiology.com • <http://www.nuclearcardiology.com/ncs>

NUCLEAR MEDICAL EDUCATION PROGRAM

Affidavit of Academic Completion & Competency

This document is to attest that

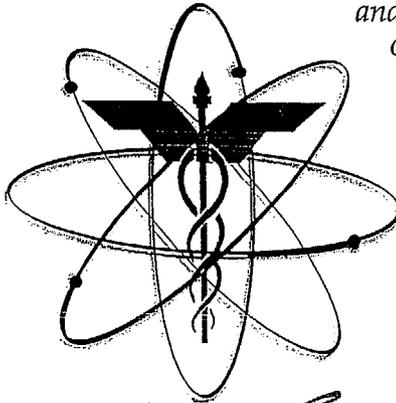
Alexander E. Kasatkin, MD

has successfully completed the didactic program

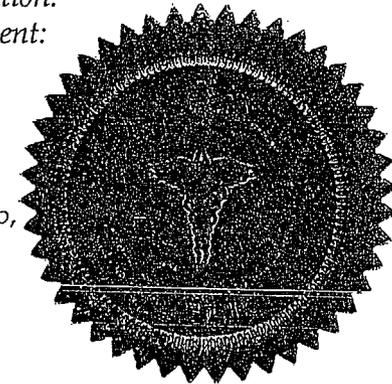
MEDICAL RADIATION PROTECTION

and has provided evidence of attendance in this program and evidence of achieving the objectives of this program through examination.

This program provides the following levels of accomplishment:



- 5.0 Continuing Education Units (CEU)
- 50 Didactic Instructional Hours (DIH)
In compliance with 10CFR35/AEA 73-689
- 50 Board Accepted Hours NUSPEX, NMTCB III b,
ABMRSO, CBNC, MRLB
- 3.0 Semester Hours American Council on
Education (ACE), American Association for
Collegiate Registrars




Certifying Official

21 March 2004

Date Completed

202210

Certification

Institute for Nuclear Medical Education

Certified, Approved and Regulated by the Division of Private Occupational Schools, Department of Higher Education in Colorado. Validated by the Accrediting Commission of the Accrediting Council for Continuing Education Training, a national accrediting agency listed by the US Secretary of Education. Validated by the American Council on Education, recognized by the American Association for Collegiate Registrars, Council on Post-Secondary Education. Licensed by NRC & Agreement States.

INME1132-Class III-Compl&Comp 1/00

ALEXANDER KASATKIN, M.D

[REDACTED]

EDUCATION

07/2003- present

CARDIOLOGY FELLOWSHIP Albert Einstein College of Medicine at Beth Israel Medical Center Program
First Avenue at 16th Street
New York, NY 10003

07/2000- 06/2003

RESIDENCY Internal Medicine Albert Einstein College of Medicine at Beth Israel Medical Center Program
First Avenue at 16th Street
New York, NY 10003

07/1996-07/1997

INTERNSHIP I. Pavlov State Medical University
6/8 Tolstoy Street
St. Petersburg, Russia 197022

09/1990-06/1996

MEDICAL SCHOOL I. Pavlov State Medical University
6/8 Tolstoy Street
St. Petersburg Russia 197022

CLINICAL AND RESEARCH EXPERIENCE

07/1999-06 2000

RESEARCH Research Coordinator Cath Laboratory at Heart Institute Beth Israel Medical Center
First Avenue at 16th Street
New York, NY 10003

09/1997-01/2000

CLINICAL PHYSICIAN American Medical Center
1997 - 1999 10 Serpokhovskaya
St. Petersburg, Russia

EXAMINATIONS and BOARDS

- **AMERICAN BOARD OF INTERNAL MEDICINE** certified in 2003
- **NUCLEAR CARDIOLOGY BOARD** (exam taken 10/2005- pending results)
- **USMLE STEP 3** 2/1999
- **USMLE STEP 2** 8/1996
- **USMLE STEP 1** 9/1995
- **RUSSIAN STATE GOVERNMENT MEDICAL EXAMINATION** 6/1996
- **ECFMG Certificate (permanent)** 1997

AWARDS, HONORS, DISTINCTIONS & MEMBERSHIPS.

- **RUSSIAN FEDERATION PRESIDENTIAL SCHOLARSHIP** 1995-1996
- **ST. PETERSBURG GOVERNOR SCHOLARSHIP** 1994-1995-1996

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

- CHIEF MEDICAL STUDENT 1990-1996
- MEDICAL DIPLOMA WITH HONORS 06/1996
- INTERNAL MEDICINE BOARD Certified 2003
- BCLS/ACLS Certified 2000/2002/2004
- AHA
- ACC

RESEARCH

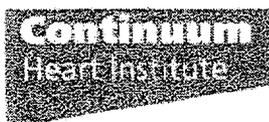
- **Retrospective study of using 6F guiding catheter for primary coronary intervention in acute MI.** 7/99 - 8/1999 Heart Institute at BIMC Manhattan campus of Albert Einstein Collage of Medicine. (Results were submitted to ACC conference)
- **Retrospective study of using 6F guiding catheter for intravascular coronary intervention.**
8/99 - 1/2000 Heart Institute at BIMC Manhattan campus of Albert Einstein Collage of Medicine (Results presented at 23rd Annual Scientific Session of the Society for Cardiac Angiography and Interventions. May 3-6, 2000, Charleston, South Carolina and published) and 3rd International Congress on Coronary Artery Disease, Leon, France October, 2000.
- ***Chlamydia Pneumoniae* and coronary artery disease: a pilot study. Prospective randomized blinded study.**
11/99 - 4/2000 Heart Institute at BIMC Manhattan campus of Albert Einstein Collage of Medicine (Results presented at Infectious Disease Research Yearly conference)
- **PRESTO study - randomized double blinded placebo controlled multicenter trial of Tranilast to prevent instent restenosis post PCI.**
7/99 - 6/2000 Heart Institute at BIMC Manhattan campus of Albert Einstein Collage of Medicine (Results are not published as the study was negative).
- **Retrospective study of patient with isolated one vessel Coronary Artery Disease in circumflex distribution.**
5/2000- 1/2003 Heart Institute at BIMC Manhattan campus of Albert Einstein Collage of Medicine (Results presented at International Congress on Electrocardiology Helsinki 2003 and awarded Draeger Medical Systems Young Investigator Award and published).
- **Morphological Analysis of Intracardiac Electrograms of Implantable Cardioverter Defibrillator in patients undergoing Percutaneous Coronary Intervention.**
12/2003-current time Heart Institute at BIMC Manhattan campus of Albert Einstein Collage of Medicine

PUBLICATIONS AND PRESENTATIONS.

- "Safety and Efficacy of Using 6F Guiding Catheters in Coronary Stenting: A Retrospective Review" J. Fox, MD, K.Ravi, MD, A. Kasatkin, MD, W. Sherman, MD. Catheterization and Cardiovascular Interventions, Volume 50, Number 1, May 2000, p.151
- "Does size really matter? Comparison of 6F and 8F Guiding Catheters for Acute Myocardial Infarction Interventions: Results of a Retrospective Study." J. Fox, K.Ravi, A. Kasatkin, W. Sherman. Submitted to American Collage of Cardiology 49th Annual Scientific Session September, 3 1999
- "Isolated Left Circumflex Coronary Artery Disease" G. Couturier, A. Kasatkin, P. Schweitzer. International Journal of Bioelectromagnetism November 1, Volum 5, 2003, p 325-327

LANGUAGES

Fluent in English and Russian, including medical terminology.



Milton and Carroll Petre Division
First Avenue at 16th Street
New York, NY 10003
Tel: 212 420 HEART
Fax: 212 420 4222

www.WeHealNewYork.org

Beth Israel Medical Center
New York, New York
June 6, 2005

**RE: NUCLEAR CARDIOLOGY TRAINING FOR ALEXANDER KASATKIN,
M.D.**

To Whom It May Concern:

Dr. Alexander Kasatkin was enrolled in a cardiology fellowship and senior clinical preceptorship in nuclear cardiology at Beth Israel Medical Center Cardiology division from July 1, 2002 through June 30, 2005.

The Nuclear Cardiology Laboratory at Beth Israel Medical Center is a hospital-based laboratory that provides a full range of cardiovascular nuclear imaging services. An average of ten exercise myocardial perfusion imaging studies, and 1-2 gated blood pool studies are performed per day. The imaging equipment includes two rotating gamma cameras for SPECT perfusion imaging and gated blood pool studies, and a positron emission tomographic camera for rubidium-82 myocardial perfusion studies and 18-FDG myocardial viability studies. Radionuclides utilized include thallium-201, Tc 99m pertechnetate and myoview, rubidium-82, and 18-FDG. The rate of patients having coronary angiography within several months of scintigraphy is approximately 10%.

During their rotations in nuclear cardiology, post-doctoral fellows examine patients and review their case histories with attending physicians to determine their suitability for radioisotope studies, and to exclude any contraindications to or limitations on radionuclide testing. The fellows perform the exercise or pharmacologic stress test supervised by an attending physician. In conjunction with the senior physician, help select the most suitable radiopharmaceutical to answer the diagnostic question. Following the performance of the test and acquisition of the images, the fellow reviews the results. He/she then formulates an interpretation of the study in light of the images, stress test data, patient's clinical history and any available angiographic data. For radionuclide ventriculographic studies, fellows will calculate the left ventricular ejection fractions. In many instances, the fellow communicates results to the referring physicians, or may follow the patient in his/her own clinic. Patients with abnormal studies are followed through angiography. The combined nuclear stress

Continuum Health Partners, Inc.



University Hospital and
Manhattan Campus of
the Albert Einstein College
of Medicine



University Hospital of
Columbia University College
of Physicians & Surgeons



University Hospital of
Columbia University College
of Physicians & Surgeons



Primary Clinical Teaching
Affiliate of SUNY—
Health Science Center
at Brooklyn



Affiliate of SUNY—
Hospital of New York
Medical College

testing and angiographic correlative results are presented at weekly nuclear cardiology conferences.

Third year fellows with a special interest in nuclear cardiology may elect to take the senior clinical preceptorship in nuclear cardiology, as did Dr. Kasatkin. This rotation combines additional clinical training in interpretation of nuclear cardiologic studies with practical "hot lab" experience. In this preceptorship, the senior fellow improves his skills in use of the dose calibrator, and measures dose calibrator accuracy, linearity and geometry, and constancy. Performance of radiation safety procedures including daily surveys, wipe tests, and surveys of radionuclide packaging are performed. Fellows are enrolled in a one-day supervised course at Mallinckrodt Corporation (Hicksville, New York) to gain experience in use of the molybdenum/technetium generator. They dose calibrate myocardial perfusion radionuclides such as thallium-201 and Tc 99m myoview, and then administer the dose directly to patients. Fellows also are instructed in performing blood pool labeling with Na/Sn pyrophosphate and Tc 99m pertechnetate. Practical instruction is also given in 1) using administrative controls to prevent misadministrations of radionuclides, and 2) using emergency procedures to contain and decontaminate spilled radioactive materials.

During the senior preceptorship in nuclear cardiology, Dr. Kasatkin spent a total of 28 weeks in this laboratory. This translates to a total of 1,120 hours of combined experience in clinical nuclear cardiology and practical "hot lab" experience. Dr. Kasatkin documented a total of >100 doses of thallium-201 or Tc99m myoview dose-calibrated and administered to patients for myocardial perfusion imaging. Dr. Kasatkin performed at least 5 gated blood pool studies in which RBC's were labeled in vivo with stannous pyrophosphate and Tc99m pertechnetate, and interpreted the studies.

Dr. Kasatkin also completed and documented 200 hours of didactic nuclear cardiology experience comprising the following subjects: 1) Principles of Radiation Physics. 2) Medical Radiation Instrumentation. 3) Radiopharmaceuticals and Radiochemistry. 4) Medical Radiation Protection. This didactic training was obtained from the Institute for Nuclear Medical Education, Boulder, Colorado.

The total nuclear cardiology training documented by Dr. Kasatkin is 1,320 hours, including didactic lectures, supervised clinical training, and practical radiation and radionuclide work experience (comprising >500 hours of the total tutorial).

Based on the laboratory volume of approximately 4,000 nuclear studies per year, Dr. Kasatkin participated in the review and interpretation of approximately 2,154 studies. Given the 10% catheterization rate of patients having undergone nuclear

studies in our lab, Dr. Kasatkin participated in approximately 215 studies that had angiographic correlation. This satisfies the requirements for Level II training in nuclear cardiology as specified by the American College of Cardiology and American Society of Nuclear Cardiology.

THIS TRAINING AND EXPERIENCE IN NUCLEAR CARDIOLOGY MEETS THE REQUIREMENTS AS OUTLINED IN THE ACC/ASNC COCATS GUIDELINES, "AND ACHIEVES A LEVEL OF COMPETENCE SUFFICIENT TO FUNCTION INDEPENDENTLY AS AN AUTHORIZED USER FOR THE MEDICAL USES AUTHORIZED UNDER NRC SUBPART E---IMAGING AND LOCALIZATION."

Thank you for your attention and cooperation. I would be glad to answer any questions concerning the Nuclear Cardiology program at Beth Israel Medical Center, or Dr. Kasatkin's participation. I can be reached at 212-420-2092, FAX 212-420-4172.

Authorized User
New York City Bureau of Radiologic Health
Radioactive Materials License
#91-2897-01

Sincerely,



Andrew Van Tosh, M.D.
Physician-in-charge
Nuclear Cardiology
Beth Israel Medical Center
New York, New York

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, 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 byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. Associates in Cardiovascular Disease</p> <p>2. 211 Mountain Avenue Springfield, New Jersey 07081</p>	<p>In accordance with the letter dated June 6, 2003,</p> <p>3. License number 29-28773-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date October 31, 2012</p> <hr/> <p>5. Docket No. 030-32847 Reference No.</p>	
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.200</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As needed</p>
<p>9. Authorized use:</p> <p>A. Any imaging and localization study permitted by 10 CFR 35.200.</p>		

CONDITIONS

- 10. Licensed material may be used or stored only at the licensee's facilities located at 211 Mountain Avenue, Springfield, New Jersey.
- 11. The Radiation Safety Officer for this license is Michael Stephen Lux, M.D.
- 12. Licensed material is only authorized for use by, or under the supervision of:
 - A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.
 - B. The following individuals are authorized users for medical use as indicated:

<u>Authorized Users</u>	<u>Material and Use</u>
Michael S. Lux, M.D.	35.200
Roberto R. Roberti, M.D.	35.200

CERTIFICATION COUNCIL OF NUCLEAR CARDIOLOGY

Incorporated 1996

CERTIFIES THAT

Roberto R. Roberti, M.D.

HAVING MET THE REQUIREMENTS PRESCRIBED BY THIS COUNCIL
AND HAVING SATISFACTORILY PASSED THE REQUIRED EXAMINATION,

IS HEREBY DESIGNATED

A DIPLOMATE CERTIFIED IN THE SUBSPECIALTY OF

NUCLEAR CARDIOLOGY

FOR THE PERIOD 1997 THROUGH 2006

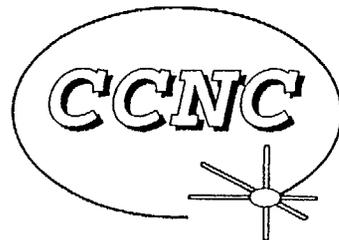
A. J. Brudman

PRESIDENT

C. Justin DeBary

SECRETARY

CERTIFICATE # 799



DECEMBER 1, 1997

**CURRICULUM VITAE
ROBERTO RINALDO ROBERTI, M.D.**

Home Address: [REDACTED]
[REDACTED]

Home Telephone: [REDACTED]

Office Address: Associates in Cardiovascular Disease, LLC
211 Mountain Avenue
Springfield, NJ 07801

Office Telephone: 973-467-0005

Social Security Number: [REDACTED]

Date of Birth: [REDACTED]

Place of Birth: [REDACTED]

Citizenship: [REDACTED]

Language Spoken: English, Italian, Portuguese, and Spanish

EDUCATION

7/71-12/76 Colegios Integrados Oswaldo Cruz Paes Leme
Ave. Angelica 300
Sao Paulo, Brazil 11.100
H.S. Diploma

1/77-12/78 Pre-Medical School
Sao Paulo, Brazil

1/78-12/83 Escola Paulista de Medicina
R. Botucatu 740
San Paulo, Brazil 11.100

POST DOCTORAL TRAINING

12/83-12/84 Intern (Internal Medicine)
Hospital Sao Paulo
Sao Paulo, Brazil

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

12/84-12/86 Resident (Internal Medicine)
Hospital Sao Paulo
Sao Paulo, Brazil

12/86-8/89 Fellowship in Cardiology
Hospital Sao Paulo
Sao Paulo, Brazil

9/89-6/92 Research Fellowship, Nuclear Cardiology
Beth Israel Medical Center
New York, NY

7/92-6/95 Fellowship in Cardiology
Beth Israel Medical Center
New York, NY

7/95-6/96 Resident (Internal Medicine)
Beth Israel Medical Center
New York, NY

ACADEMIC APPOINTMENT:

1987-1989 Clinical Instructor
Hemodynamics for Internists
Escola Paulista de Medicina
Sao Paulo, Brazil

1996-1997 Instructor of Internal Medicine
Albert Einstein School of Medicine
New York, NY

HOSPITAL APPOINTMENTS:

7/1996-3/1997 Physician in Charge of The Cardiac Wellness Center
Beth Israel Medical Center
New York, NY

3/1997-11/1997 Associate Medical Director of Outpatient Services
Beth Israel Medical Center
New York, NY

3/1997-11/1997 Physician in Charge of Lipid Clinic Division of Cardiology
Beth Israel Medical Center
New York, NY

1996-1997	Beth Israel Medical Center New York, NY
1997-	Overlook Hospital Summit, New Jersey
1997-	Union Hospital Union, New Jersey
1998-	Newark Beth Israel Medical Center Newark, New Jersey
1998-	Morristown Memorial Hospital Morristown, New Jersey
1999-	Rahway Hospital Rahway, New Jersey
1999-	Saint Barnabas Medical Center Livingston, New Jersey

SPECIALTY BOARD CERTIFICATIONS:

1991-	Educational Commission of Foreign Medical Graduates (ECFMG) # 0-460-610-9
1992-	Federal Licensing Examination (FLEX) # 00897
1996-	Diplomate of The American Board of Internal Medicine
1997-	Diplomate in the subspecialty of Nuclear Cardiology by the Council of Nuclear Cardiology
1998-	Diplomate of the American Board of Internal Medicine (Cardiovascular Disease)

CERTIFICATES AND LICENSES:

1996-1998	New York State Medical License, No. 193939
1997-	New Jersey State Medical License, No. 66528

GRANTS:

1989-1990 Coordenaco de Aperfeicoamenti de Pessoal de Nivel Superior
(CAPES)
Brazilia, Brazil

MEMBERSHIPS IN MEDICAL ASSOCIATIONS:

1. President of New Jersey American Society of Nuclear Cardiology Working Group
2. Member of The American College of Cardiology
3. Member of The Society of Nuclear Cardiology

ABSTRACTS:

1. Roberti R., Souza J.A., Terzian A.B., Carvalho, A.C., Martinez E.E., Transdermal Nitroglycerin in Congestive Heart Failure. XLI Brazilian Congress of Cardiology, 1985.
2. Roberti R., Souza J.A., Terizian A.B., Araujo, V.L., Carvalho, A.C., Martinez E.E., Effects of Dopamine and Nitroprusside in PCWP and Cardiac Output Patients with
3. Roberti R., Martinez E.E., Andrade J. L., Brito F.S., Araujo V.L.F., Portugal, O.P.: Chagas Cardiomyopathy and Captopril. XIII Interamerican Congress of Cardiology, 1989.
4. Van Tosh A., Hecht, S., Luna E., Roberti R., Berger M., Horowitz S.F.: Echocardiographic Correlates of Transient Dilatation of the Left Ventricle on Stress Thallium-201 Imaging. Circulation 1990 Suppl. III: 82; 652.
5. Martinez E. E., Horowitz S.F., Castello H., Castiglioni M., Carvalho A., Almeida D., Roberti R., Saragoca M., Barbieri A.: Diagnostic Accuracy of Elevated Lung/Myocardial Thallium-201 Ratio in Chronic Congestive Heart Failure. Journal of The American of Cardiology 17:2.79A (1991)
6. Roberti R., Baruchin M., Van Tosh A., Horowitz S.F.: Assessment of left Ventricular Function from SPECT TI-201 Myocardial Perfusion Imaging. Journal of The American College of Cardiology 17:2. 78A (1991)
7. Roberti R, Baruchin M., Van Tosh A., Horowitz S.F., Can Left Ventricular Cavity to Myocardial Count Ratio in SPECT TI-201 Identify High Risk CAD Patients. Mount Sinai Department of Medicine Research Meeting, 10-1992.

8. Van Tosh A., Sheartz I., Roberti., Horowitz S.F., Clinical Predictors of SPECT Thallium 201, 24 Hour Redistribution. *Clinical Research*, 40;2;273 (1992).
9. Garza D., Van Tosh A., Baruchin M., Roberti R., Horowitz S.F.: Comparison of Resting Rubidium-82 PET Imaging with SPECT Thallium 201 Scintigraphy in Patients with Myocardial Infarction. *Clinical Research* 40:3; 552(1992)
10. Barchin M., Roberti R., Van Tosh A., Dalal, P., Reimers C., Horowitz S.F.: Impact of Attenuation Artifacts on the Diagnosis Utility of SPECT Thallium Scintigraphy in Men and Women. *Clinical Research* 40:2;553 (1992)
11. Garza, D Van Tosh, A., Baruchin, M., Roberti R., Reimes, C, Bach, M Strain, J., Fox, J., Horowitz, S.F.: Noninvasive Detection of Coronary Collateral Using Dipyridamole Rubidium-82 Positron Emission Tomography. *Clinical Nuclear Medicine* 18:8:727 (1193).
12. Van Tosh, A., Roberti R., Garza, D., Baruchin, M., Ventura, B., Pompliano, J., Horowitz, S.F.: PET Myocardial Perfusion Imaging Predicts Coronary Angioplasty Restenosis: The Value of The Stress/Rest Minimum Count Ratio. ICP Fifth Annual International PET Conference. October 28-31, 1993, Washington, D.C.
13. Dalal, P., Roberti R., Gentile, R., Van Tosh, A., Garza, D., Pompliano, J., Ventura, B., Horowitz, S.F.: Quantitative Comparison of Infarct Severity Using Rubidium-82 PET and Thallium-201 SPECT. VIII Annual Meeting of The Society of Nuclear Medicine, Greater New York Chapter.
14. Van Tosh, A., Garza, D., Roberti, R., Baruchin, M.A., Ventura, B., Pompliano, J., Horowitz, S.F., Serial Changes in PET Coronary Flow Reserve in PET Coronary Flow Reserve in Asymptomatic Patients Following Coronary Angioplasty: Implications for Late Restenosis. *Journal of The American College of Cardiology*, 21: Suppl-5:161A:885,1994.
15. Van Tosh, A., Garza, D., Roberti, R., Baruchin, M.A., Ventura, B., Pompliano, J., Horowitz, S.F.: Abnormal Coronary Flow Reserve on Dipyridamole PET Perfusion Imaging Predicts Future Restenosis in Asymptomatic Patients Following Coronary Angioplasty. Congress of the European Society of Cardiology, 1994.
16. Fox, J., Dalad, P., Luna, E., Klepser, C., Van Tosh, A., Roberti, R., Pompliano, J., Horowitz S.F.: Impact of Breast Repositioning on SPECT Thallium-201 Myocardial Perfusion Images in Women. Eighth Annual Northeast Regional Meeting of the Society of Nuclear Medicine, October 1994.
17. Randazzo, D., Garza, D., Van Tosh, A., Roberti, R., Pompliano, J., Horowitz S.F.: Dipyridamole Positron Tomographic Perfusion Imaging with Rubidium-82

accurately Differentiates Single form Multi Vessel Coronary Disease in Patients with previous Myocardial Infarction. Eighth Annual Northeast Regional Meeting of the Society of Nuclear Medicine, October 1994.

18. Dalal, P., Fox, J., Roberti, R., Garza D., Van Tosh, A., Nagy, B., Horowitz, S.: Identification of Left Ventricular Dysfunction for Resting Rubidium-82 PET Perfusion Images Using the RV to LV Count Ratio. *Clinical Research* 42(3):501A, 1995
19. Roberti, R., Leighton, C., Kustiin, J., Abraham, B., Templo, M., Jones, L., Ornish, D., Horowitz, S.: Psychosocial Risk Factors Can Be Reduced by Lifestyle Intervention in Coronary Artery Disease Patient. *Journal of Cardiopulmonary Rehabilitation*: 1996 (in print)/.

PUBLICATIONS:

1. Roberti, R., Souza, J.A.M., Araujo, V.L.F., Carvalho, A.C., Martinez, E.E., Portugal, O.P.: Vasoactive Drugs in Chagas Cardiomyopathy. *Filha Medica* 96(3): 81-84, 1988
2. Martinez, E.E., Roberti, R., Cirenza, C.: Non Cardiac Surgery in Cardiac Patients. *Atualizazao Cardiologica* 4:1-7, 1988.
3. Martinez, E.E., Horowitz, S., Castello, H.J., Castiglioni M.L.V. Carvalho, A.C.C., Almeida, D.V., Roberti, R., Saragoca, M.A., Barbieri, A.: Lung and Myocardial Thallium-201 Kinetics in Resting Patients with Congestive Heart Failure: Correlation With Pulmonary Capillary Wedge Pressure. *American Heart Association Journal* 123:427-32, 1992.
5. Martinez, E.E., Barros, T.L., Santos D.V., Carvalho, A.C.C., DePaola, A.A., Andradr, J.L., Angelini, J., Lima, V.C., Roberti, R., Portugal, O.P. Sherman, W.: Cardiopulmonary Exercise Testing Early After Catheter-Balloon Mitral Vavuloplasty in Patients With Mitral Stenosis. *International Journal of Cardiology* 37:7-13, 1992.
6. Roberti, R., VanTosh, A., Baruchin, M.A., Gallagher, R., Friedman, P., Ventura, B., Horowitz, S.F.: Left Ventricular Dysfunction Directly From Tomographic Thallium Perfusion Scintigraphy. *Journal of Nuclear Medicine* 34:193-198, 1993.
7. Roberti, R., Horowitz S.F., Prognostic Value of Thallium-201 Perfusion Imaging *Primary Cardiology*, 19(6):20-27, 1993
8. Van Tosh A., Hecht, S., Luna E., Roberti R., Berger M., Horowitz S.F.: Echocardiographic Correlates of Transient Dilatation of the Left Ventricular on Stress Thallium-201 Imaging. *Chest* 106:1725-29, 1994.

9. Van Tosh, A., Garza, D., Roberti, R., Sherman, W., Pompliano, J., Ventura, B., Horowitz, S.F.; Serial Myocardial Perfusion Imaging with Dipyridamole and Rubidium-82 to Assess Restenosis After Angioplasty. *Journal of Nuclear Medicine* 36:1553-60, 1995.
10. Garza, D., Van Tosh, A., Roberti, R., Horowitz, S.F.: Coronary Collaterals Determined by Dipyridamole PET. *Journal of Nuclear Medicine* 1996 (in print)

INVITED LECTURES:

- | | |
|---------------|-------------------------------------------------------------------------------------------------------------------------------|
| January 1995 | Brookhaven National Laboratory Associated Universities,
"Demystifying the Mind-Body connection in Coronary Artery Disease. |
| November 1995 | American College of Sport Medicine, Greater New York Regional Chapter, "Risk Factors and Exercise" |
| February 1996 | Columbia College of Physicians and Surgeons, "Lifestyles Changes and Coronary Artery Disease" |
| October 1996 | Marble Collegiate Church
"Healthy Living for a Healthy Heart" |
| April 1998 | Muhlenberg Hospital, Grand Rounds
"Risk Factors for Coronary Artery Disease" |
| May 1998 | "Risk Factor Modification for Coronary Artery Disease"
Muhlenberg Regional Hospital, Grands Rounds |
| January 1999 | Overlook Hospital-Society of Nuclear Cardiology
"Advantages of duo Isotope Protocols in Nuclear Cardiology" |
| February 1999 | "Myocardial Perfusion Images (Dual Isotopes)"
Society of Nuclear Cardiology, N.J. Chapter |
| April 1999 | "Diagnosis and Treatment of Cardiac Disorders"
Union Hospital Community Center |
| May 1999 | "Risk Factors Modification for Coronary Artery Disease"
Overlook Hospital; John Gregory M.D. Cardiology meeting |
| October 1999 | "Artifacts" in Nuclear Cardiology Scan Interpretation
Morristown Memorial Hospital – Society of Nuclear Cardiology |

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

9/12/2006, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment 29-20960-01 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** 139452.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (R1)
(8-98)

Sincerely,
Licensing Assistance Team Leader