

Winchester Cardiology and Internal Medicine
Cardiovascular Imaging Center
190 Campus Blvd., Suite 201
Winchester, VA
Phone Number: (540) 542-1844
Fax Number: (540) 542-1843

Br. 1

November 13, 2005

License Assistance Section
Nuclear Medicine Safety Branch
Division of Radiation Safety & Safeguards
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

2005 NOV 13 11:13
RECEIVED

RE: Amendment Application
Winchester Cardiology & Internal Medicine
License Number: ~~45-2541-01~~ RLT 03035566
45-25541-01

Dear License Reviewer:

Please amend our byproduct material license to add Anca Iliescu, M.D. for all materials and procedures approved on the above mentioned license. Confirmation of training and experience has been attached for review. Please refer to this documentation for details.

If you require additional information, please contact Michael W. Lairmore or myself. Mr. Lairmore may be reached at (201) 693-2277.

139009
NMSS/RGNI MATERIALS-002

We thank you in advance for your assistance with this licensing action.

Sincerely,

A handwritten signature in black ink, appearing to read "James Dixon Brown M.D.", written in a cursive style.

James Dixon Brown, M.D.

Administrative Representative/Radiation Safety Officer

Attachment A



UPMC | University of Pittsburgh
Medical Center

*University of Pittsburgh Physicians
Cardiovascular Institute*

William P. Follansbee, MD, FACC
Professor of Medicine
Professor of Radiology
Director of Nuclear Cardiology
Immediate Past President
Medical Staff
UPMC Presbyterian Synagogue

UPMC Presbyterian
Suite A-429
200 Lothrop Street
Pittsburgh, PA 15213
412-647-3437
Fax 412-647-3873
wfolansbee@upmc.edu
UPM Referrals: 412-647-3437
800-544-2500

September 8, 2005

John Quinn, M.D.
President of Winchester Cardiology
190 Campus Boulevard
Winchester, VA 22601

Re: Anca Iliescu, M.D.

Dear Dr. Quinn:

Anca Iliescu, M.D., is a graduate of the cardiology fellowship program at the University of Pittsburgh Medical Center/Cardiovascular Institute. During the course of her fellowship training, she received 6 months of training in Nuclear Cardiology. She completed her cardiology fellowship training in June, 2004.

During her training, Dr. Iliescu had extensive experience in the performance and interpretation of all types of nuclear cardiology studies. She had training in the performance of treadmill as well as pharmacologic stress tests, including decisions as to the appropriate use of specific procedures, as well as any administration of radioisotopes. She had extensive experience in independent and collaborative interpretation of nuclear cardiology images, including SPECT myocardial perfusion images, planar myocardial perfusion images, and ventricular function images. During the course of her fellowship training, she participated in the performance and interpretation of 1630 SPECT stress studies and 103 cardiac rest ventriculograms.

In addition, Dr. Iliescu completed all requirements for training and demonstrating competency in skills including, but not limited to, camera quality control, nuclear cardiology study acquisitions, tomographic reconstructions and quantitative processing of image data. She also received experience in radiopharmacy, including performance of radiation surveys and dosimetry.

There is a separate 200-hour basic science course in radiation disciplines offered through the University of Pittsburgh Medical Center. Dr. Iliescu has successfully completed that course. A letter of certification from the course director is attached with this application.

September 8, 2005

Page 2

Dr. Iliescu's formal fellowship training in Nuclear Cardiology meets with the requirements as outlined in the ACC/ASNC COCATS guidelines shown on Page 13 of the 2002 bulletin.

Dr. Iliescu has achieved a level of competence sufficient to function independently as an authorized user for the medical uses authorized under NRC subpart E-imaging and localization.

If I can be of any help in providing you with additional documentation of her training, please do not hesitate to contact me.

Sincerely yours,



William P. Follansbee, M.D., FACC
Professor of Medicine
Professor of Radiology
Director of Nuclear Cardiology/Exercise Physiology
NRC# 37-00245-02

WPF/lcn

Iliescu A-ltr

Cc: James Shaver, M.D., 5th Floor Scaife Hall, UPMC

RADIOLOGICAL PHYSICS SERVICES, INC.

6/2/04

To Whom it May Concern:

This is to certify that, during his training in the ACGME-approved Cardiology Fellowship Program of the University of Pittsburgh Medical Center, Anca V. Iliescu, MD, has completed the didactic portion of the program in Nuclear Cardiology.

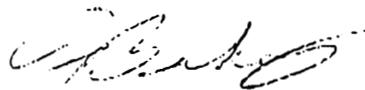
This included classroom and laboratory training in basic radioisotope handling techniques applicable to the use of prepared radiopharmaceuticals, generators and reagent kits. This training consisted of 200 hours of classroom and laboratory training as prescribed in 10 CFR 35.920, Training for Imaging and Localization Studies. The training included, but was not limited to radiation physics and instrumentation, mathematics pertaining to the use and measurement of radioactivity, radiation detection and instrumentation, radiation protection and safety, radiopharmaceutical chemistry, and radiation biology.

Training also included supervised work and laboratory experience which included ordering, receiving, and unpacking radioactive materials safely and performance of required surveys and proper decontamination procedures, if required. The training included the use of dose calibrators and survey instruments and checks to ensure their proper function, testing, safe handling of radioactive materials, use of administrative controls to avoid misadministration of byproduct materials, calculation of patient doses, generation elution and testing for molybdenum and alumina contamination and use of reagent kits to prepare Tc-99m labeled radiopharmaceuticals.

Attached is a syllabus of the course material.

If I can be of further assistance, please do not hesitate to contact me at 724-543-8669.

Sincerely,



Andrew G. Bukovitz, RSO
Certified Radiological Physicist

301 Hillcrest Avenue
Pittsburgh, Pennsylvania 15237
(724) 543-8669/(412) 364-2015

Andrew G. Bukovitz, President
Certified Radiological Physicist

CERTIFIED: X-RAY AND GAMMA RAY PHYSICS, AMERICAN BOARD OF RADIOLOGY
DIAGNOSTIC IMAGING PHYSICS, AMERICAN BOARD OF MEDICAL PHYSICS



UPMC | University of Pittsburgh
Medical Center

*University of Pittsburgh Physicians
Cardiovascular Institute*

January 21, 2005

James A. Shaver, MD
Professor of Medicine

To Whom It May Concern:

Director
Cardiovascular Fellowship
Program

RE: Anca Iliescu, MD
Date of Birth: [REDACTED]
Social Security Number: [REDACTED]

Sculte Hall, Suite 5555
200 Lothrop Street
Pittsburgh, PA 15213
412-647-3429
Fax: 412-647-0491
shaverja@max.upmc.edu

This letter serves to confirm that Dr. Anca Iliescu successfully completed all aspects of cardiovascular medicine fellowship training at our institution between July 1, 2001 and June 30, 2004, including completion of Level II echocardiography training (over 6 months specific training in the Echocardiography laboratory).

Cardiology Referrals
412-647-6000

Our laboratory records indicate that she performed and interpreted echoes during training as follows:

UPMC Referrals
412-647-7100
1-800-644-2800

Transthoracic Echoes (2D and Doppler) Performed	191
Transthoracic Echoes (2D and Doppler) Interpreted	1400
Transesophageal Echoes Performed and Interpreted	102
Stress Echoes Performed and Interpreted.	86

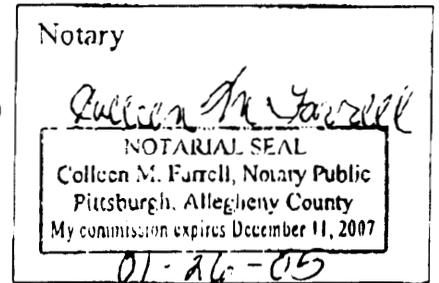
In my opinion Dr. Anca Iliescu has the clinical competence and professional qualities necessary to perform as an independent echocardiographer.

Sincerely,

Name
Title (Division or Department Head or Fellowship Training Director)

Sworn and subscribed to before me on
Seal 01-26-05

Notary Public



* NOTE: For the purpose of Certification, a study performed and/or interpreted may be counted only once and must be counted under the code that it was billed. Example: Even though a full TTE is performed as part of a Stress Echo with only a single bill being submitted (93350), the study must be counted as a Stress Echo and cannot be counted as both a TTE and a Stress.

The EXACT number of studies performed and interpreted MUST be provided. Applications containing approximated and/or rounded numbers will no longer be reviewed by the Certification Committee. Letters documenting training must be on appropriate letterhead and MUST be notarized.

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

CARDIOLOGY RADIATION PHYSICS COURSE

Medical and Academic Uses of Radiation

Regulatory Agencies:

NRC

Agreement vs Non-agreement States

Who regulates what

Where regulatory standards come from

NRC Regulations/ Parts 19, 20, and 35

PA DEP Chapters

Authorized users

Basic Math Review

Scientific notation

Logarithms

Exponentials

Calculator use

SI units

Atomic and Nuclear Structure

Nucleus and Nucleons

Electron orbits

Radiation

Quantities and units of radiation

Types of radiation;

Production and sources of radiation

X-ray Production and X-ray Tubes

Gamma Ray Production and Radioactive Sources

Radioactivity

Decay

Types of Decay

Radiation Interaction

photoelectric, Compton, etc.

Radiation Detection Equipment

Types of equipment & how they work

Demonstration of equipment

Self reading dosimeters

Laboratory Work (Hands-On)-

Use of meters - scintillation, GM, ion chambers

Counting statistics

Ring and body dosimeters

Radiation Dosimetry

- Units

- Methods

- External Dosimetry

- Internal Dosimetry

Sources of Radiation Exposure

- Natural occurring, medical, work,
life-style

- Risk assessment

Radionuclides

- elution of generators

- kit preparation

- internal dosimetry

- safe handling

Intravascular Brachytherapy

- types of sources

- methodology

- radiation protection

Radiation Protection

- Allowable limits of exposure: how conservative are the units

- Time, distance, shielding:

 - half-value layers

 - inverse square

 - shielding calculations

- ALARA

- Rules of thumb to protect yourself from radiation exposure

- Declared pregnant worker

Radiation Biology

- Cellular effects, tissue effects,

- systematic effects

- Delayed effects, early somatic effects

- Acute radiation syndrome

- Radiation hormesis

- Threshold vs. non threshold effects

Radiation Safety Programs

- Parts 10 CFR 19, 20, and 35

- Written radiation safety programs procedures

- Elements of a good radiation safety program

- Leak tests - performance
- Radiation surveys-specific to use)
 - Performance of lab surveys
- Instrument calibrations
- Demo of specific safety techniques
- Recordkeeping requirements
- Emergency procedures
 - personnel decontamination
 - clean up of radioactive materials spill,
- Shipping, receiving
- Training requirements
- Applying for a Radioactive Materials License

Responsibilities for Radiation Safety

- Who is responsible
- Legal issues

Radioactive Waste Management/Transportation

- Storage of waste
- Options for waste disposal/compact
- DOT Transportation

Reportable Incidents

- What is reportable
- When to and when not to report
- Emergencies and Emergency procedures

Imaging Equipment in Nuclear Medicine

- Integral Counters/Pulse Height Analyzers
- Static Imaging
- SPECT/PET

Review Questions

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

11/13/2005, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment 45-25541-01 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** 138009.
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 (RI)
(6-96)

Sincerely,
Licensing Assistance Team Leader