

The Heart Physicians, P.C.

Consultative Cardiology and Cardiac Catheterization
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March 8, 2006

NMSB 2

USNRC Region I
Materials Licensing
475 Allendale Road
King of Prussia, PA 19406-1415

03035382

RE: NRC License #06-30571-01, Request for Amendment

Request the following amendment action be taken:

1. Addition of Thomas J. Nero, M.D., as an authorized user limited to Nuclear Cardiology.
Attached are the training credentials for Dr. Nero.

If there are any questions regarding this amendment action, please contact Dan L. Marx, Medical Health Physicist, Radiological Physics Service, at (810) 730-6004 – Cell or (734) 455-4730.

Thank you for your timely action to this request.

Sincerely,



Keith A. Landesman, M.D.

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REGION I
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NMSS/RONI MATERIALS-032

Division of Cardiology
Beth Israel Medical Center
New York, New York
November 18, 2002

RE: NUCLEAR CARDIOLOGY TRAINING FOR TOM NERO, MD.

Dr. Tom Nero was enrolled in a cardiology fellowship cardiology at Beth Israel Medical Center Cardiology division from July 1, 1999 through June 30, 2002. During that time, Dr. Nero performed as a clinical cardiology fellow in the Nuclear Cardiology Laboratory.

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 eight stress 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 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.

Third year fellows may elect to perform additional work in nuclear cardiology, radiation safety, and quality control procedures, as did Dr. Nero. The fellow improves 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 and wipe tests of delivered unit dose isotopes and sealed

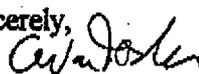
sources are performed. Quality control procedures for the gamma cameras, including acquiring and evaluating flood images, bar phantoms and center of rotation are performed. Fellows are enrolled in a one-day supervised course at Mallinckrodt Corporation (Hicksville, New York) to gain experience in use of the molybdenum/technetium generator. They dose calibrate myocardial perfusion radionuclides such as thallium-201 and Tc 99m myoview, and then administer the doses directly to patients. Fellows also are instructed in performing blood pool labeling with Na/Sn pyrophosphate and Tc 99m pertechnetate.

During the fellowship in cardiology, Dr. Nero spent approximately 16 weeks in this laboratory. This translates to a total of 560 hours of combined experience in clinical nuclear cardiology and practical "hot lab" experience. Dr. Nero documented greater than fifty doses of thallium-201 or Tc99m myoview dose-calibrated and administered to patients for myocardial perfusion imaging.

Based on the laboratory volume of approximately 3,000 nuclear studies per year, Dr. Nero participated in the review and interpretation of approximately 920 studies. Given the 10% catheterization rate of patients having undergone nuclear studies in our lab, Dr. Nero participated in approximately 92 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.

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. Nero 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

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

3/8/2006, and to inform you that the initial processing which includes an administrative review has been performed.

AMEND. 06-30571-01 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** 138626.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.