

NRC FORM 313
(1-2004)
16 CFR 30, 32, 33,
34, 35, 36, 25, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 10/31/2005

APPLICATION FOR MATERIAL LICENSE

Estimated burden per response to comply with this mandatory collection request: 7 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA Privacy Services Branch (7-5 F32), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001 or by internet e-mail to infocollections@nrc.gov and to the Desk Officer, Office of Information and Regulatory Affairs, NEDE-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a message used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM
DIVISION OF NUCLEAR MATERIALS SAFETY
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLSDALE ROAD
KING OF PRUSSIA, PA 19406-1415

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION II
2443 WARRENVILLE ROAD, SUITE 210
Lisle, IL 60532-4952

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
811 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-4005

LL 31018

03036873

02201

(29-31018-01)

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- A. NEW LICENSE
- B. AMENDMENT TO LICENSE NUMBER _____
- C. RENEWAL OF LICENSE NUMBER _____

2. NAME AND MAILING ADDRESS OF APPLICANT (include ZIP code)

North Atlantic Medical Associates, P.C.
Rajesh Mohan, M.D.
101 Prospect Street - Suite 210
Lakewood, New Jersey 08701

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

101 Prospect Avenue
Suite 210
Lakewood, New Jersey 08701

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Rajesh Mohan, M.D.

TELEPHONE NUMBER

(732) 905-0077

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11 PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL

a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS

9. FACILITIES AND EQUIPMENT

10. RADIATION SAFETY PROGRAM

11. WASTE MANAGEMENT

12. LICENSE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY AMOUNT ENCLOSED \$

13. CERTIFICATION (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BEING MADE UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 (2 STAT. 749) MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER - TYPE/PRINTED NAME AND TITLE

Rajesh Mohan, M.D. / Owner

SIGNATURE

Rajesh Mohan

DATE

2/2/05

FOR NRC USE ONLY

TYPE OF FEE FEE LOG FEE CATEGORY AMOUNT RECEIVED CHECK NUMBER COMMENTS

APPROVED BY

DATE

ITEM 5: RADIOACTIVE MATERIAL

Byproduct Material	Chemical/Physical Form	Maximum Amount
Any byproduct material permitted by 10 CFR 35.100	Any	As needed
Any byproduct material permitted by 10 CFR 35.200	Any	As needed

ITEM 6: PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED

10 CFR 35.100	Medical Use of Unsealed Byproduct Material for Uptake, Dilution, and Excretion Studies for Which a Written Directive is Not Required
10 CFR 35.200	Medical Use of Unsealed Byproduct Material for Imaging and Localization Studies for Which a Written Directive is Not Required

Rajesh Mohan , M.D.

ATT 7

ITEM 7 - Individual Responsible For Radiation Safety

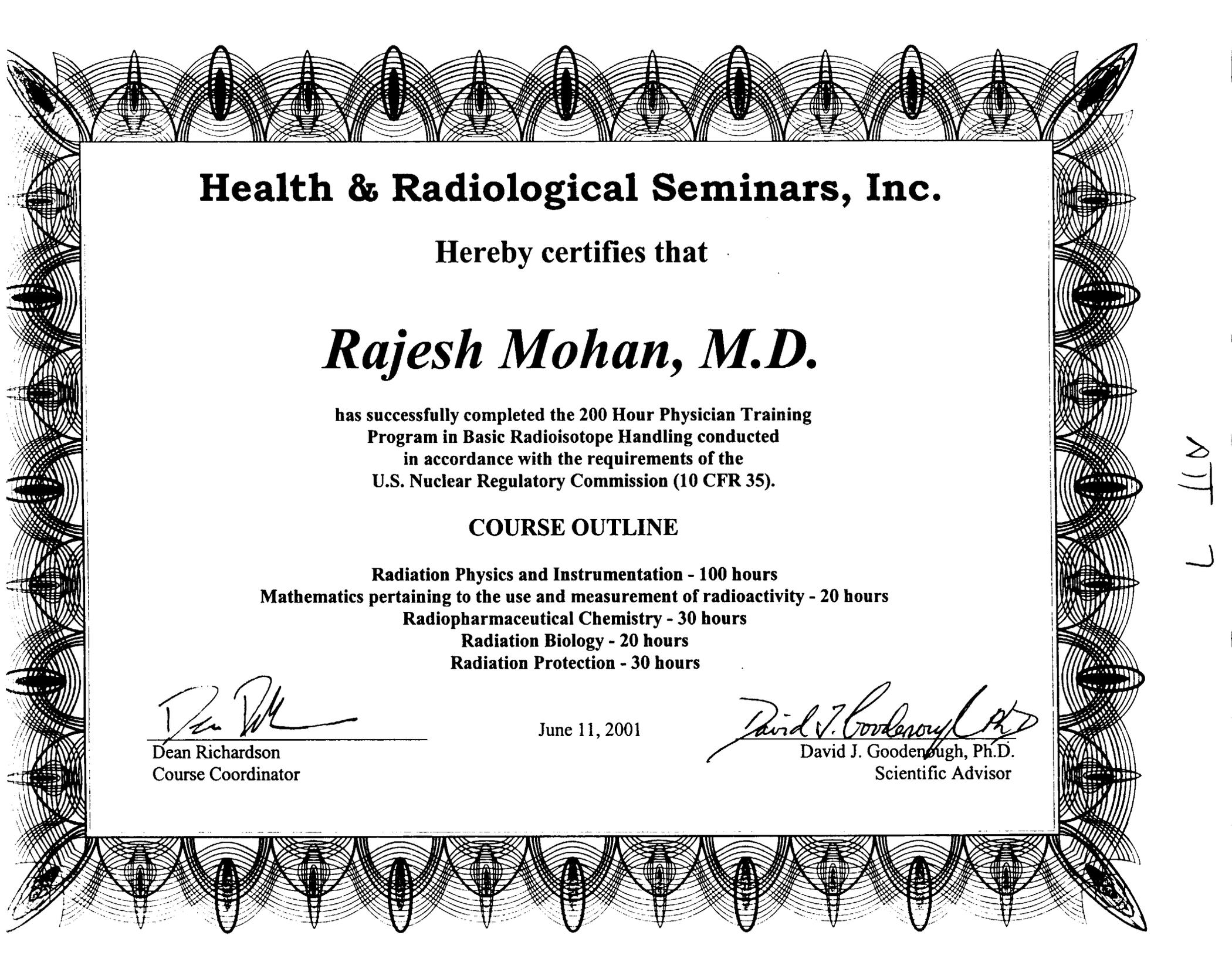
Dr Rajesh Mohan M.D. is the Radiation Safety Officer for this license. His Credentials are Attached. We will contract an outside consulting Physicist, who will assist him with his radiation safety duties, as needed.

Authorized Users

Material

Rajesh Mohan , M.D.

10 CFR 35.100 , 10 CFR 35.200



Health & Radiological Seminars, Inc.

Hereby certifies that

Rajesh Mohan, M.D.

has successfully completed the 200 Hour Physician Training
Program in Basic Radioisotope Handling conducted
in accordance with the requirements of the
U.S. Nuclear Regulatory Commission (10 CFR 35).

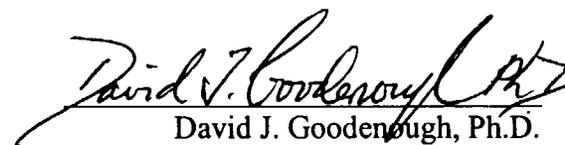
COURSE OUTLINE

Radiation Physics and Instrumentation - 100 hours
Mathematics pertaining to the use and measurement of radioactivity - 20 hours
Radiopharmaceutical Chemistry - 30 hours
Radiation Biology - 20 hours
Radiation Protection - 30 hours



Dean Richardson
Course Coordinator

June 11, 2001



David J. Goodenough, Ph.D.
Scientific Advisor

ATT 7



**DEPARTMENT OF VETERANS AFFAIRS
James H. Quillen VA Medical Center
Johnson City
Mountain Home, TN 37684**

July 17, 2003

In Reply Refer To:

621/115

TO WHOM IT MAY CONCERN:

This letter is to affirm that Dr. Rajesh Mohan has obtained supervised nuclear medicine, nuclear cardiology, clinical and work experience in our institution. This experience began July 1, 1998 and continued through June 30, 2001.

The clinical experience includes active participation in the following procedures:

- 539 Thallium/Technetium stress imaging/function procedures
- 539 Thallium/Technetium rest imaging/function procedures
- 52 PYP/RBC multi-gated acquisition stress procedures
- 52 PYP/RBC multi-gated acquisition rest procedures
- 418 Ejection fraction calculation procedures
- 418 Wall motion evaluation studies
- 53 First pass
- 418 Gated (SPECT)

During this clinical experience Dr. Mohan examined patients and reviewed histories to determine the suitability for these procedures; selected the suitable radiopharmaceutical and dose; administered radiopharmaceuticals using a syringe shield; collaborated with an authorized user in the interpretation of the procedures and used the interpretation in the management of patients.

Dr. Mohan also obtained supervised work experience, which included but was not limited to: the procedures for ordering, receiving and unpacking radioactive materials; calibrating the dose calibrator and other instruments

Dr. Rajesh Mohan

Page 2

as well as checking for proper operation; calculating and preparing patient dosages; using administrative controls to prevent misadministration.

In my judgment, Dr. Mohan's fellowship training in nuclear cardiology meets requirements as outlined in the ACC/ASNC COCATS Guidelines shown on page 13 of the 2003 Bulletin. Dr. Mohan 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.

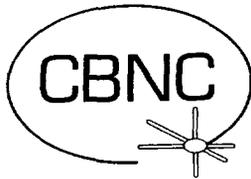
Sincerely,



VICENTE C. TAASAN, M.D.

Chief, Nuclear Medicine Service

Nuclear License No. 41-19792-01



Certification Board of Nuclear Cardiology

9929 Main Street Suite C Damascus, MD 20872 Phone: (301) 253-7122 Fax: (301) 253-7123
E-mail: cbnc@starpower.net Internet webpage: www.cbnc.org

CBNC is Moving! Note our New Contact Information Below – Valid January 1, 2005

BOARD OF DIRECTORS

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Executive Director Designate

**For Immediate Release
December 2004**

RAJESH MOHAN, MD ACHIEVES BOARD CERTIFICATION IN NUCLEAR CARDIOLOGY

Damascus, 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 Rajesh Mohan, MD passed the certification examination on October 24, 2004. Dr. Mohan 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(1,2).

About CBNC:

The Certification Board of Nuclear Cardiology 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. The CBNC was established in 1996. To date, 3,696 physicians have been certified in nuclear cardiology.

For further information contact:

Dawn Edgerton
Certification Board of Nuclear Cardiology
19562 Club House Road
Montgomery Village, MD 20886 USA
edgerton@cbnc.org

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Address as of January 1, 2005:
Certification Board of Nuclear Cardiology
19562 Club House Road • Montgomery Village, MD 20886
Ph: +240.631.8151 • F: +240.631.8152 • Email: administration@cbnc.org • Website: www.cbnc.org

Rajesh Mohan, M.D.

ATT. 8

MODEL PROGRAM For Radiation Safety Training

Personnel will be instructed:

1. Before assuming duties with, or in the vicinity of, radioactive materials.
2. During annual refresher training.
3. Whenever there is a significant change in duties, regulations, or the terms of the license.

Instruction for individuals in attendance will include the following subjects:

1. Applicable regulations and license conditions.
2. Areas where radioactive material is used or stored.
3. Potential hazards associated with radioactive material in each area where the employees will work.
4. Appropriate radiation safety procedures.
5. Licensee's in-house work rules.
6. Each individual's obligation to report unsafe conditions to the Radiation Safety Officer.
7. Appropriate response to emergencies or unsafe conditions.
8. Worker's right to be informed of occupational radiation exposure and bioassay results.
9. Locations where the licensee has posted or made available notices, copies of pertinent regulations, and copies of pertinent licenses and license conditions (including applications and applicable correspondence), as required by 10 CFR Part 19.
- 10 Question and answer period.

The following will be trained initially, and then annually:

Nuclear Medicine Techs
EKG Techs
Nurses

Rajesh Mohan, M.D.

ITEM 9

Radiation Monitoring Instruments

- (A) Radiation Survey Instruments will be calibrated yearly by a qualified person to perform such calibrations. (We will send out our meter to our radiopharmaceutical vendor, who sends it to a calibration laboratory that meet the requirements in 10 CFR 20.1501 and of 10 CFR 35.61.)
- (B) Radiation Well Counter will be calibrated yearly by our consulting physicist, who will follow nationally recognized standards or the Manufacturers recommendations.

The Survey meter is a Ludlum 14 with a 44-9 GM Pancake Probe. This unit will be used for Daily package surveys of incoming packages, daily area surveys, daily monitoring of hands and feet, and for monitoring waste prior to disposal.

The Well Counter is a Capintec CRC 15 W with a Capintec Well. This unit will be used for daily wiping of Incoming and outgoing radioactive packages, and for weekly area wipe testing for contamination.

We reserve the right to upgrade our survey instruments as necessary as long as they are adequate to measure the type and level of radiation for which they are used.

Dose Calibrator

Equipment used to measure dosages will be calibrated in accordance with nationally recognized standards or the manufactures instructions.

Gamma Camera

We will perform all Quality Control and Calibrations that are in accordance with nationally recognized standards and manufacturers recommendations.

Attachment **9A**
Facilities and Equipment

Hot Lab:

The hot lab is the location where radiopharmaceuticals are stored, prepared and dispensed. Lead bricks or lead lined storage modules are used to provide shielding where necessary. The hot lab has an "L" block present. Additional lead shielding is used around the "L" block where necessary. Absorbent, plastic backed paper is used to line the counter tops where radioactive material is used.

DOT shipping containers for the transport of . . . unit doses provide significant shielding. These will be used for storage of patient doses until their use unless a suitable alternative exists.

Storage of Radioactive Material and Waste:

Lead lined (1/8 inch) disposal cans are present in the hot lab areas for the storage of radio-
active waste. Lead lined (1/8 inch), or equivalent, storage modules are present for the storage of radioactive material.

Additional Safety Equipment:

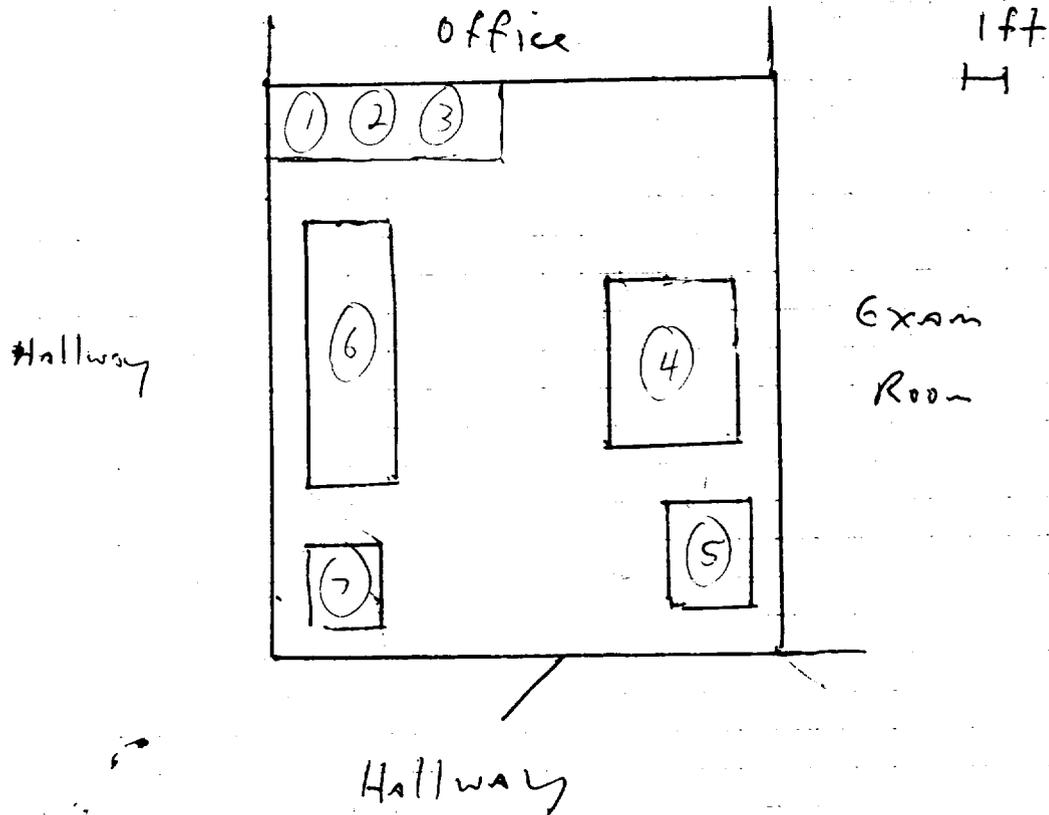
The following safety equipment is also present for use at the licensee's facility and at locations where radiopharmaceuticals are used.

syringe shields
disposable protective gloves
remote handling devices
lead shields for vial storage
lead lined storage modules

syringe carriers
absorbent pads
lead equivalent L-block
lead bricks (as needed)
lab coats

ATT 9B

North Atlantic Medical Associates, P.C.
Rajesh Mohan, M.D.
101 Prospect Avenue - Suite 210
Lakewood, New Jersey 08701



- 1 L-Block
- 2 Lead Lined Radioactive Sharps Container
- 3 Lead Lined Radioactive Non Sharp Waste Container
- 4 Camera / Imaging Chair
- 5 Camera/ Computer Control
- 6 Treadmill
- 7 Injection Area

Rajesh Mohan , M.D.

Item 10

Occupational Dose

We will provide dosimetry that meets the requirements listed under criteria in NUREG 1556 , volume 9 “ Consolidated Guidance about Materials License: Program Specific Guidance about Medical Use Licensees.”

Area Surveys

We have developed and will implement and maintain written procedures for area surveys In accordance with 10 CFR 20.1101 that meet the requirements of 10 CFR 20.1501 and 10 CFR 35.70.

Safe Use of Unsealed Licensed Material

We have developed and will implement and maintain procedures for safe use of unsealed byproduct that meets the requirements of 10 CFR 20.1101 and 10 CFR 20.1301.

Spill Procedure

We have developed and will implement and maintain written procedures for safe response to spills of licensed material in accordance with 10 CFR 20.1101.

Item 11

Waste Management

We have developed and will implement and maintain written waste disposal procedures for licensed material in accordance with 10 CFR 20.1101, that also meet the requirements of the applicable section of Subpart K to 10 CFR Part 20 and 10 CFR 35.92.

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

2/2/05, and to inform you that the initial processing which includes an administrative review has been performed.

New License Application (03036873)
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** 136495.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

BETWEEN: : (FOR LFMS USE)
 : INFORMATION FROM LTS
 : -----
 :
 License Fee Management Branch, ARM : Program Code: 02201
 and : Status Code: 3
 Regional Licensing Sections : Fee Category: _____
 : Exp. Date: 0
 : Fee Comments: _____
 : Decom Fin Assur Req'd: _
 : ::::::::::::::::::::::::::::::::::::

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
 Applicant/Licensee: NORTH ATLANTIC MEDICAL ASSOC., P.C.
 Received Date: 20050218
 Docket No: 3036873
 Control No.: 136495
 License No.: 29-31018-4
 Action Type: New Licensee

2. FEE ATTACHED
 Amount: _____
 Check No.: _____

3. COMMENTS

Signed *Retina J. Ford*
 Date 2/23/05

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /__/)

1. Fee Category and Amount: _____
 2. Correct Fee Paid. Application may be processed for:
 Amendment _____
 Renewal _____
 License _____
 3. OTHER _____

Signed _____
 Date _____