

BALA MEDICAL CENTER
Wayne V. Arnold, D.O., F.A.C.O.I.

CARDIOLOGY - PERIPHERAL VASCULAR DISEASES

15 NORTH PRESIDENTIAL BLVD.
SUITE 100
BALA CYNWYD, PA 19004

(610) 667-2746
(610) 667-2749
Fax# (610) 667-9420

2 December 2005

NMSB2

U.S Nuclear Regulatory Commission, Region 1
Licensing Assistance Team
475 Allendale Road
King of Prussia, PA 19409-1415

Dear Sir or Madam:

03030949

Please accept the following as an amendment request to our Medical Use Materials License, No. 37-28333-01:

1. This letter is to notify you that we have completed the relocation of our Absecon facility to the new address at 318 Chris Gaupp Rd., Galloway Twp. NJ, from the old address of 310 Chris Gaupp Rd, as per amendment No. 22, issued 28 Nov., 2005.

On 29 November, 2005, a close-out survey was performed, which showed no ambient radiation levels above background or removable contamination of the facility at 310 Chris Gaupp Rd. This facility has been cleared for general use.

Please remove the old address from our NRC RAM license.

Attached are copies of the close-out surveys, as well as a copy of the dose calibrator linearity results, after its relocation, for your records.

2. Add the following physicians as an authorized user for 35.200:

- a. Sujood Ahmed, M.D. (Originally requested on Control No. 137921)
- b. David Kann, M.D.

Please find attached documentation of training and experience for these physicians.

If you have any questions or concerns regarding this amendment, please do not hesitate to contact me at 610-667-2746, or our Nuclear Operations Manager, Terry Day, RT, at 856-786-4700.

Sincerely,

Wayne V. Arnold, DO
Wayne Arnold, D.O.
Radiation Safety Officer

Enclosures

00:17:11:00

RECEIVED

138143

NMCG/RONI MATERIALS-001

REF. 137921

DOSE CALIBRATOR
 LINEARITY, CALICHECK METHOD
 OMNI DIAGNOSTICS
 SITE MOVE 11-29-05

ABSECON FACILITY
 DOSE CALIBRATOR_ CRC 15W

S/N: 170028

DATE 11-29-05

TUBES (A)	DISP. ACT. (B) mCi		CALIB. FACTOR (C)	PRODUCT BxC
BLACK ONLY	37	X	1	37
BLACK & RED	22.2	X	1.628	36.14
BLACK & ORANGE	11.93	X	3.074	36.67
BLACK & YELLOW	3.09	X	11.84	36.59
BLACK & GREEN	1.24	X	29.65	36.77
BLACK & BLUE	0.39	X	93.61	36.51
BLACK & PURPLE	0.121	X	302.8	36.64
BLACK/PURPLE/RED	0.068	X	537.97	36.58
BLACK/PURPLE/ORANGE	0.039	X	913.63	35.63
BLACK/PURPLE/YELLOW	0.011	X	3533	38.86
BLACK/PURPLE/GREEN		X	11500	0
BLACK/PURPLE/BLUE		X	23000	0
				367.3893
SUM/# ENTRIES	36.74		UPPER LIMIT	LOWER LIMIT
			38.58	5% 34.90 5%
			40.41	10% 33.07 10%

TECHNOLOGIST Terry Day
 RSO REVIEW Terry Day, R. C. RSD DATE 11/30/05

RESULTS: ALL VALUES WITHIN +/- 10%

Omni Diagnostics
Close-out Area Survey
For
Absecon, NJ, MOVE

***Restricted area**

All other areas are considered unrestricted

- | | | |
|------------------------|---------------------------|----------------------------|
| * 1. Nuclide Prep area | * 2. Lead Waste cans | * 3. Sink |
| 4. Treadmill 1 | 5. Injection Area-Floor 1 | 6. Scanning Table |
| 7. Camera Hand Control | 8. Computer Keyboard | 9. Desk |
| 10. Cold Trash | 11. Inj Room / Chair | * 12. Hot Lab Floor |
| 13. Camera Room Floor | 14. Treadmill 2 | 15. Injection Area-Floor 2 |

Instrumentation: GM Survey Meter Serial # 1) 158753

Date	BKG mR/Hr	GM #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TECH INIT
11-29	.02	1	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	n/a	n/a	TLD

Trigger Levels - Restricted 20,000 dpm/5.0 mR/hr.
 Unrestricted 2,000 dpm/0.5mR/hr

All measurements are in mR/Hr

Close-out Wipe Survey
For
Absecon MOVE

***Restricted area**

All other areas are considered unrestricted

- | | | |
|------------------------|---------------------------|---------------------|
| * 1. Nuclide Prep area | * 2. Lead Waste cans | * 3. Sink |
| 4. Treadmill 1 | 5. Injection Area-Floor 1 | 6. Scanning Table |
| 7. Camera Hand Control | 8. Computer Keyboard | 9. Desk |
| 10. Cold Trash | 11. Inj Room / Chair | * 12. Hot Lab Floor |
| 13. Camera Room Floor | | |

Instrumentation: Caprac Serial:170028

Calib. source: Cs-137 rod, 0.5 uCi Cal: 8-1-98 Ser. # 645-4-137

Date	BKG CPM	1 CPM	2	3	4	5	6	7	8	9	10	11	12	13	SOURCE	TECH INIT
11-29-05	225	43	43	43	43	43	43	43	43	43	43	43	43	43	260.1 KCPM	TLD
	DPM>	116	116	116	116	116	116	116	116	116	116	116	116	116		

RESULTS: NO AMBIENT RADIATION LEVELS OR REMOVABLE CONATMINATION PRESENT.

FACILITY CLEARED FOR GENERAL USE.

RSO: _____

Handwritten signature: [Signature]
Handwritten initials: CO RSO

DATE: _____

Handwritten date: 12-1-05

January 5, 2004

To Whom It May Concern:

This letter is to affirm that **Dr. Ahmed's fellowship training in nuclear cardiology meets the requirements as outlined in the ACC/ASNC COCATS Guidelines shown on page 13 of the 2003 Bulletin. The experience, preceptorship periods were July, August and December 2002, and January - June, August, October & December 2003.**

The clinical participation includes active participation in the following procedures: 600 gated SPECT, sestamibi rest and stress imaging/function procedures, 20 thallium myocardial viability studies, 15 resting MUGA scans.

During this clinical experience the physician 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 use the interpretation in the management of patients.

In addition to clinical experience was supervised work experience. This included but not limited to procedures for ordering, receiving and unpacking radioactive materials. Calibrating the dose calibrator and other instruments as well as checks for proper operation, calculating and preparing patient dosages using administrative controls, prevent misadministration: using procedures to contain spills and decontamination procedures.

The physician also gained experience in eluting the 99m TC/99Mo generator and testing for 99Mo and alumina and the processing of the elute with reagent kits.

The physician received not less than 1000 hours of experience in Clinical Nuclear Medicine in handling and dispensing radioisotopes, calculating and administering radiopharmaceutical doses, proper use of generators and radiation safety. Also received not less than 500 hours of experience in evaluation of patients for suitability of studies, selection of radiopharmaceuticals, interpretation of studies and patient follow-up during the above periods.

Dr Ahmed 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,


Michael Joh, M.D.

St. John Hospital and Medical Center
Nuclear License # 21-03210-01

**TRAINING AND EXPERIENCE
AUTHORIZED USER OR RADIATION SAFETY OFFICER**

Approved by OMB
3150-0041
Expires 06-30-89

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER

Sujood Ahmed, M.D.

2. STATE OR
TERRITORY IN WHICH
LICENSED TO
PRACTICE MEDICINE
Michigan

3. CERTIFICATION

SPECIALITY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C

4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES

FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	TYPE AND LENGTH OF TRAINING	
		Lecture/ Laboratory Course (Hours) C	Supervised Laboratory Experience (Hours) D
a. RADIATION PHYSICS AND INSTRUMENTATION	St. John Hospital & Medical Center - Detroit, MI St. John Oakland Hospital - Madison Heights, MI 04/01/03 - 11/01/03	100	40
b. RADIATION PROTECTION	St. John Hospital & Medical Center - Detroit, MI St. John Oakland Hospital - Madison Heights, MI 04/01/03 - 11/01/03	30	8
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	St. John Hospital & Medical Center - Detroit, MI St. John Oakland Hospital - Madison Heights, MI 04/01/03 - 11/01/03	20	
d. RADIATION BIOLOGY	St. John Hospital & Medical Center - Detroit, MI St. John Oakland Hospital - Madison Heights, MI 04/01/03 - 11/01/03	20	
e. RADIOPHARMACEUTICAL CHEMISTRY	St. John Hospital & Medical Center - Detroit, MI St. John Oakland Hospital - Madison Heights, MI 04/01/03 - 11/01/03	30	

5. EXPERIENCE WITH RADIATION (Actual use of Radioisotopes or Equivalent Experience)

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Tc-99m	1000	St. John Oakland Hospital	04/01/03 - 11/01/03	Diagnostic
Mo-99	1000	St. John Oakland Hospital	04/01/03 - 11/01/03	Diagnostic
Cs-137	0.250	St. John Oakland Hospital	04/01/03 - 11/01/03	Diagnostic
Ba-133	0.250	St. John Oakland Hospital	04/01/03 - 11/01/03	Diagnostic

Certificate of Completion

This is to certify that

Sujood Ahmed, M.D.

has completed the Nuclear Regulatory Commission Required
Nuclear Medicine Physics Course
(200 hours)

November 1, 2003



Ray A. Carlson, M.S.
Radiological Physics Service, Inc.
Plymouth, Michigan

THIS DOCUMENT IS PRINTED ON WATERMARKED PAPER, WITH A MULTI-COLORED BACKGROUND AND MULTIPLE SECURITY FEATURES. PLEASE VERIFY AUTHENTICITY.

**State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs**

THIS IS TO CERTIFY THAT THE
Board of Medical Examiners

HAS REGISTERED

Sujood Ahmed
[REDACTED]

FOR PRACTICE IN NEW JERSEY AS A(N): Medical Doctor

04/22/2005 TO 06/30/2007

25MA07887000

LICENSE/REGISTRATION/CERTIFICATION #

[Signature]

Signature of Licensee/Registrant/Certificate Holder

[Signature]
ACTING DIRECTOR

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

BALA MEDICAL CENTER
Wayne V. Arnold, D.O., F.A.C.O.I.

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BALA CYNWYD, PA 19004

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1 December 2005

**Re: Documentation of Training and Experience of David Kann, M.D., as
Authorized User**

To Whom It May Concern:

As Radiation Safety Officer / Authorized User on Nuclear Regulatory Commission License No.37-28333-01, I have observed/reviewed David Kann, M.D., in such a capacity that I can document that he has received adequate clinical training and experience to qualify as an Authorized User.

As Radiation Safety Officer / Authorized User, I have supervised Dr. Kann from September 2003 to present. Dr. Kann has performed and/or read the following number of clinical procedures under my supervision:

2475 Sestamibi/Tetrofosmin Exercise/pharmacologic SPECT scans

Dr. Kann has exceeded 1200 hours of clinical experience.

Please call me directly at (610-667-2746) if you have any additional questions.

Sincerely,

Wayne V. Arnold, D.O.

Wayne Arnold, D.O.
Radiation Safety Officer / Authorized User

*Consultants in Nuclear Medicine
2910 W. Estes Avenue
Chicago, IL 60645*

This certificate verifies that on November 3, 2005

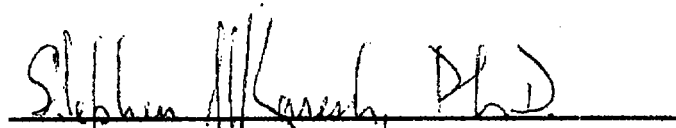
Dr. David Kann

SS # 

*completed 85 hours of the
Basic Radioisotope Handling Course,
covering the topics of*

*Radiopharmacy, Radiation Biology,
Physics and Instrumentation,
Radiation Protection, and the
Mathematics Associated with Radioactivity*

*and received a passing grade. This course is designed to
meet the didactic lecture requirements for the Nuclear
Cardiology Board Examination and to qualify a physician
as an authorized user of radiopharmaceuticals,
generators, and reagent kits. It meets all requirements set
forth by the Nuclear Regulatory Commission as outlined
in the Code of Federal Regulations.*



Course Director

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

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

12/2/2005, and to inform you that the initial processing which includes an administrative review has been performed.

APL 010, 37-2233-01
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** 13843.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.