

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

MS-16

CARDIOLOGY - PERIPHERAL VASCULAR DISEASES

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

37-28333-01
03030949

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

TRAINING REFRESHER FOR THE USE OF
RADIOACTIVE MATERIALS

J-6

This is to certify that, on June 2, 2006, Bennett Shatkin, M.D., received 4 hours of refresher training in the following categories, under the direction of Wayne V. Arnold, D.O., A.U. /RSO, and Terry L. Day, RT (N)(R), Co-RSO.

- Ordering, receiving, and unpacking radioactive material safely and performing the related radiation surveys.
- Calibrating instruments used to determine the activity of dosages and performing checks for proper operation of survey meters.
- Calculating, measuring, and safely preparing patient or human research subject dosages
- Using administrative controls to prevent a medical event involving the use of unsealed byproduct material
- Using procedures to safely contain spilled radioactive material and using proper decontamination procedures.
- Administering dosages of radioactive drugs to patients or human research subjects
- Eluting generators (theory only), measuring and testing the eluate, and processing the eluate with reagent kits to prepare labeled radioactive drugs.

Wayne V. Arnold, D.O. RSO
Wayne V. Arnold, D.O.
Authorized User, Radiation Safety Officer

Terry L. Day
Terry L. Day, RT (N)(R)
Nuclear Operations Manager, Co-RSO

138710

NMSS/RGNI MATERIALS-002

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

CARDIOLOGY - PERIPHERAL VASCULAR DISEASES

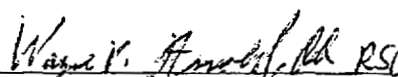
15 NORTH PRESIDENTIAL BLVD.
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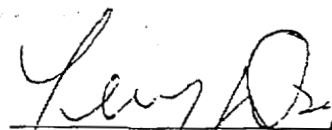
(610) 667-2746
(610) 667-2749
Fax# (610) 667-9420

**TRAINING REFRESHER FOR THE USE OF
RADIOACTIVE MATERIALS**

This is to certify that, on June 5, 2006, Mark R. Sorensen, M.D., received 4 hours of refresher training in the following categories, under the direction of Wayne V. Arnold, D.O., A.U. /RSO, and Terry L. Day, RT (N)(R), Co-RSO.

- Ordering, receiving, and unpacking radioactive material safely and performing the related radiation surveys.
- Calibrating instruments used to determine the activity of dosages and performing checks for proper operation of survey meters.
- Calculating, measuring, and safely preparing patient or human research subject dosages
- Using administrative controls to prevent a medical event involving the use of unsealed byproduct material
- Using procedures to safely contain spilled radioactive material and using proper decontamination procedures.
- Administering dosages of radioactive drugs to patients or human research subjects
- Eluting generators (theory only), measuring and testing the eluate, and processing the eluate with reagent kits to prepare labeled radioactive drugs.


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


Terry L. Day, RT (N)(R)
Nuclear Operations Manager, Co-
RSO

**MEDICAL USE TRAINING AND EXPERIENCE
AND PRECEPTOR ATTESTATION**

PART I – TRAINING AND EXPERIENCE

Note: Descriptions of training and experience must contain sufficient detail to match the training and experience criteria in the applicable regulation (10 CFR Part 35)

1. Name of Individual, Proposed Authorization (e.g., Radiation Safety Officer), and Applicable Training Requirements (e.g., 10 CFR 35.50)

Bennett Shatkin, M.D. Authorizer User, 10 CFR 35.290(c)(i)(ii)

2. For Physicians, Podiatrists, Dentists, Pharmacists – State or Territory Where Licensed

New Jersey

3. CERTIFICATION

- a. Provide a copy of the board certification. (Stop here if applying under 10 CFR Part 35, Subpart J or 35.590(a); continue if applying under other subparts.)
- b. Provide documentation in appropriate items 4 through 10 of training or clinical case work required by 35.50(e); 35.51(c); 35.290(c)(1)(ii)(G) for AU seeking 35.200 authorization; 35.390(b)(1)(ii)(G); 35.396(d)(1) and 35.396(d)(2); 35.590(c); or 35.690(c).
- c. Provide completed Part II Preceptor Attestation, Items 11a through 11d.
Stop here after completing items 3a, 3b, and 3c when using board certification to meet 10 CFR Part 35 training and experience requirements.

4. INDIVIDUALS IDENTIFIED ON A LICENSE OR PERMIT AS RADIATION SAFETY OFFICERS (RSO), AUTHORIZED USERS (AU), AUTHORIZED MEDICAL PHYSICISTS (AMP), OR AUTHORIZED NUCLEAR PHARMACISTS (ANP) SEEKING ADDITIONAL AUTHORIZATIONS

- a. Provide a copy of the license or broadscope permit listing the current authorization **and** (b) or (c)
- b. Complete items 6c (and 10 when training is provided by an RSO, AMP, ANP, or AU) and preceptor items 11b through 11d to meet requirements for: RSO in 35.50(c)(2) or 35.50(e); or AU in 35.290(c)(1)(ii)(G) or 35.390(b)(1)(ii)(G) or 35.590(c) or 35.690(c); or AMP under 35.51(c).
- c. Complete items 5, 6a, 6b, 10, and Preceptor items 11a through 11d to meet AU requirements in 35.396(a).

5. DIDACTIC OR CLASSROOM AND LABORATORY TRAINING (optional for Medical Physicists)

Description of Training	Location	Clock Hours	Dates of Training
Radiation Physics and Instrumentation	University Hospital SUNY Stony Brook, NY		1985-1987
Radiation Protection	"		
Mathematics Pertaining to the Use and Measurement of Radioactivity	"		
Radiation Biology	"		
Chemistry of Byproduct Material for Medical Use	"		
OTHER		Total Hours >80	

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

6a: WORK OR PRACTICAL EXPERIENCE WITH RADIATION

Description of Experience	Name of Supervising Individual(s)	Location and Corresponding Materials License Number	Dates and/or Clock Hours of Experience
Ordering, receiving, and unpacking radioactive material safely and performing the related radiation surveys.	Edward J. Brown, M.D.	SUNY, Stony Brook, NY NY DOH # 455	1985-1987
Calibrating instruments used to determine the activity of dosages and performing checks for proper operation of survey meters.			
Calculating, measuring, and safely preparing patient or human research subject dosages			
Using administrative controls to prevent a medical event involving the use of unsealed byproduct material			
Using procedures to safely contain spilled radioactive material and using proper decontamination procedures.			
Administering dosages of radioactive drugs to patients or human research subjects			
Eluting generators, measuring and testing the eluate, and processing the eluate with reagent kits to prepare labeled radioactive drugs.			
June 2, 2006 Refresher inservice on all the above, Total Hours: 4	Terry Day, RT, Co-RSO (Omni Diagnostics)	Vineland, NJ 37-28333-01	Total Hours >700; 6-2-06: 4 hrs

6b. SUPERVISED CLINICAL CASE EXPERIENCE (describe experience elements in 6a)

Radionuclide	Type of Use	No. of Cases Involving Personal Participation	Name of Supervising Individual	Location and Corresponding Materials License Number	Dates and/or Clock Hours of Experience
Tc-99m	Cardiac Imaging	>200	Wayne V. Arnold, D.O.	37-28333-01, Vineland, N.	7/05 to Present
Cs-137	Instrument Calib.	n/a	"	"	"
					Total hours:>700

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

6c. TRAINING FOR SECTIONS 35.50(e), 35.51(c), 35.590(c), or 35.690(c)

Training Element	Type of Training *	Location and Dates

* Types of training may include supervised (complete item 10 for 35.50(e), 35.51(c), and 35.690(c)), didactic, or vendor training.

7. FORMAL TRAINING Physicians (for uses under 35.400 and 35.600) and Medical Physicists

Degree, Area of Study or Residency Program	Name of Program and Location with Corresponding Materials License Number	Dates	Name of Organization that Approved the Program (e.g., Accreditation Council for Graduate Medical Education) and the Applicable Regulation (e.g., 10 CFR 35.490)

8. RADIATION SAFETY OFFICER (RSO) – ONE-YEAR FULL-TIME EXPERIENCE

YES Completed 1 year of full-time radiation safety experience (in areas identified in item 6a) under supervision.
 N/A of _____ the RSO for License No. _____

9. MEDICAL PHYSICIST -- ONE-YEAR FULL-TIME TRAINING/WORK EXPERIENCE

YES Completed 1 year of full-time training (for areas identified in item 6a) in therapeutic radiological physics (35.961) or medical physics (35.51) under the supervision of _____
 N/A who is a medical physicist (35.961) or meets requirements for Authorized Medical Physicists (35.51);

and

YES Completed 1 year of full-time work experience (at location providing radiation therapy services described and for topics identified in item 6a) for (specify use or device) _____
 N/A under the supervision of _____ who is a medical physicist (35.961) or meets requirements for Authorized Medical Physicists (35.51) (specify use or device) _____

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

10. SUPERVISING INDIVIDUAL -- IDENTIFICATION AND QUALIFICATIONS

The training and experience indicated above was obtained under the supervision of (if more than one supervising individual is needed to meet requirements in 10 CFR Part 35, provide the following information for each):

A. Name of Supervisor

Wayne Arnold, D.O.

B. Supervisor is:

Authorized User

Authorized Medical Physicist

Radiation Safety Officer

Authorized Nuclear Pharmacist

C. Supervisor meets requirements of Part 35, Section(s) 290

for medical uses in Part 35, Section(s) 200

D. Address

Vineland Facility (Omni Diagnostics)
Vineland, NJ

E. Materials License Number

37-28333-01

PART II -- PRECEPTOR ATTESTATION

Note: This part must be completed by the individual's preceptor. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each. This part is not required to meet training requirements in 35.590 or Part 35, Subpart J (except 35.980).

I attest the individual named in Item 1:

11a.



has satisfactorily completed the requirements in Part 35, Section(s) and Paragraph(s) 35-290 (c)(i)(ii) as documented in section(s) 5,6a,b of this form.

11b. Select one



meets the requirements in 35.50(e) 35.51(c) 35.390(b)(1)(ii)(G) 35.690(c) for



types of use, as documented in section(s) of this form.

11c.



has achieved a level of competency sufficient to independently operate a nuclear pharmacy (for 35.980); **OR**



has achieved a level of competency sufficient to function independently as an authorized User for 10 CFR 35.200 uses (or units); **OR**



has achieved a level of radiation safety knowledge sufficient to function independently as a Radiation Safety Officer for a medical use licensee; **OR**



11d.



I am an Authorized Nuclear Pharmacist; **OR** I am a Radiation Safety Officer; **OR**



I meet the requirements of 290 section(s) of 10 CFR Part 35

or equivalent Agreement State requirements to be a preceptor AU or AMP

for the following byproduct material uses (or units):

A. Address

15 N. Presidential Blvd., Suite 100
Bala Cynwyd, PA

B. Materials License Number

37-28333-01

C. NAME OF PRECEPTOR (print clearly)

Wayne V. Arnold, D.O.

D. SIGNATURE -- PRECEPTOR

Wayne V. Arnold, D.O.

E. DATE

06/06/2006

**MEDICAL USE TRAINING AND EXPERIENCE
AND PRECEPTOR ATTESTATION**

PART I – TRAINING AND EXPERIENCE

Note: Descriptions of training and experience must contain sufficient detail to match the training and experience criteria in the applicable regulation (10 CFR Part 35)

1. Name of Individual, Proposed Authorization (e.g., Radiation Safety Officer), and Applicable Training Requirements (e.g., 10 CFR 35.50)

Mark R. sorensen, M.D. Authorizer User, 10 CFR 35.290(c)(i)(ii)

2. For Physicians, Podiatrists, Dentists, Pharmacists – State or Territory Where Licensed

New Jersey

3. CERTIFICATION

- a. Provide a copy of the board certification. (Stop here if applying under 10 CFR Part 35, Subpart J or 35.590(a); continue if applying under other subparts.)
 - b. Provide documentation in appropriate items 4 through 10 of training or clinical case work required by 35.50(e); 35.51(c); 35.290(c)(1)(ii)(G) for AU seeking 35.200 authorization; 35.390(b)(1)(ii)(G); 35.396(d)(1) and 35.396(d)(2); 35.590(c); or 35.690(c).
 - c. Provide completed Part II Preceptor Attestation, Items 11a through 11d.
- Stop here after completing items 3a, 3b, and 3c when using board certification to meet 10 CFR Part 35 training and experience requirements.

4. INDIVIDUALS IDENTIFIED ON A LICENSE OR PERMIT AS RADIATION SAFETY OFFICERS (RSO), AUTHORIZED USERS (AU), AUTHORIZED MEDICAL PHYSICISTS (AMP), OR AUTHORIZED NUCLEAR PHARMACISTS (ANP) SEEKING ADDITIONAL AUTHORIZATIONS

- a. Provide a copy of the license or broadscope permit listing the current authorization **and** (b) or (c)
- b. Complete items 6c (and 10 when training is provided by an RSO, AMP, ANP, or AU) and preceptor items 11b through 11d to meet requirements for: RSO in 35.50(c)(2) or 35.50(e); or AU in 35.290(c)(1)(ii)(G) or 35.390(b)(1)(ii)(G) or 35.590(c) or 35.690(c); or AMP under 35.51(c).
- c. Complete items 5, 6a, 6b, 10, and Preceptor items 11a through 11d to meet AU requirements in 35.396(a).

5. DIDACTIC OR CLASSROOM AND LABORATORY TRAINING (optional for Medical Physicists)

Description of Training	Location	Clock Hours	Dates of Training
Radiation Physics and Instrumentation	Associates in Medical physics 5288 Transportation Blvd. Cleveland, OH 44125	35	3/17/06 to 3/24/06
Radiation Protection	"	25	
Mathematics Pertaining to the Use and Measurement of Radioactivity	"	8	
Radiation Biology	"	5	
Chemistry of Byproduct Material for Medical Use	"	7*	
OTHER		Total Hours :80	
*Includes generator elution, kit prep, & QC			

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

6a. WORK OR PRACTICAL EXPERIENCE WITH RADIATION

Description of Experience	Name of Supervising Individual(s)	Location and Corresponding Materials License Number	Dates and/or Clock Hours of Experience
Ordering, receiving, and unpacking radioactive material safely and performing the related radiation surveys.	Wayne V. Arnold, D.O., RSO Terry Day, RT, Co-RSO	Cape May Court House, NJ 37-28333-01	10/03 to present
Calibrating instruments used to determine the activity of dosages and performing checks for proper operation of survey meters.	"	"	
Calculating, measuring, and safely preparing patient or human research subject dosages	"	"	
Using administrative controls to prevent a medical event involving the use of unsealed byproduct material	"	"	
Using procedures to safely contain spilled radioactive material and using proper decontamination procedures.	"	"	
Administering dosages of radioactive drugs to patients or human research subjects	"	"	
Eluting generators, measuring and testing the eluate, and processing the eluate with reagent kits to prepare labeled radioactive drugs.	Ed Sims, RSO	Associates in Medical Physics Cleveland, OH	3/17/06 to 3/24/06 7 hrs
			Total Hours >700

6b. SUPERVISED CLINICAL CASE EXPERIENCE (describe experience elements in 6a)

Radionuclide	Type of Use	No. of Cases Involving Personal Participation	Name of Supervising Individual	Location and Corresponding Materials License Number	Dates and/or Clock Hours of Experience
Tc-99m	Cardiac Imaging	>200	Wayne V. Arnold, D.O.	37-28333-01, CMCH, NJ	10/03 to Present
Cs-137	Instrument Calib.	n/a	"	"	"
					Total hrs:>700

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

6c. TRAINING FOR SECTIONS 35.50(e), 35.51(c), 35.590(c), or 35.690(c)

Training Element	Type of Training *	Location and Dates

* Types of training may include supervised (complete item 10 for 35.50(e), 35.51(c), and 35.690(c)), didactic, or vendor training.

7. FORMAL TRAINING Physicians (for uses under 35.400 and 35.600) and Medical Physicists

Degree, Area of Study or Residency Program	Name of Program and Location with Corresponding Materials License Number	Dates	Name of Organization that Approved the Program (e.g., Accreditation Council for Graduate Medical Education) and the Applicable Regulation (e.g., 10 CFR 35.490)

8. RADIATION SAFETY OFFICER (RSO) – ONE-YEAR FULL-TIME EXPERIENCE

- YES Completed 1 year of full-time radiation safety experience (in areas identified in item 6a) under supervision.
- N/A of _____ the RSO for License No. _____

9. MEDICAL PHYSICIST – ONE-YEAR FULL-TIME TRAINING/WORK EXPERIENCE

- YES Completed 1 year of full-time training (for areas identified in item 6a) in therapeutic radiological physics (35.961) or medical physics (35.51) under the supervision of _____
- N/A who is a medical physicist (35.961) or meets requirements for Authorized Medical Physicists (35.51);

and

- YES Completed 1 year of full-time work experience (at location providing radiation therapy services described and for topics identified in item 6a) for (specify use or device) _____
- N/A under the supervision of _____ who is a medical physicist (35.961) or meets requirements for Authorized Medical Physicists (35.51) (specify use or device) _____

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

10. SUPERVISING INDIVIDUAL -- IDENTIFICATION AND QUALIFICATIONS

The training and experience indicated above was obtained under the supervision of (if more than one supervising individual is needed to meet requirements in 10 CFR Part 35, provide the following information for each) :

A. Name of Supervisor
Wayne Arnold, D.O.

B. Supervisor is:
 Authorized User
 Radiation Safety Officer
 Authorized Medical Physicist
 Authorized Nuclear Pharmacist

C. Supervisor meets requirements of Part 35, Section(s) 290
for medical uses in Part 35, Section(s) 200

D. Address
Cape Shore Cardiology Facility (Omni Diagnostics)
Cape may Court House, NJ

E. Materials License Number
37-28333-01

PART II -- PRECEPTOR ATTESTATION

Note: This part must be completed by the individual's preceptor. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each. This part is not required to meet training requirements in 35.590 or Part 35, Subpart J (except 35.980).

I attest the individual named in Item 1:

11a.
 has satisfactorily completed the requirements in Part 35, Section(s) and Paragraph(s) 35-290 (c)(1)(ii) as documented in section(s) 5,6a,b of this form.

11b. Select one
 meets the requirements in 35.50(e) 35.51(c) 35.390(b)(1)(ii)(G) 35.690(c) for _____ types of use, as documented in section(s) _____ of this form.
 N/A

11c.
 has achieved a level of competency sufficient to independently operate a nuclear pharmacy (for 35.980); **OR**
 has achieved a level of competency sufficient to function independently as an authorized User for 10 CFR 35.200 uses (or units); **OR**
 has achieved a level of radiation safety knowledge sufficient to function independently as a Radiation Safety Officer for a medical use licensee; **OR**
 N/A

11d.
 I am an Authorized Nuclear Pharmacist; **OR** I am a Radiation Safety Officer; **OR**
 I meet the requirements of 290 section(s) of 10 CFR Part 35 or equivalent Agreement State requirements to be a preceptor AU or AMP for the following byproduct material uses (or units): _____

A. Address
15 N. Presidential Blvd., Suite 100
Bala Cynwyd, PA

B. Materials License Number
37-28333-01

C. NAME OF PRECEPTOR (print clearly) Wayne V. Arnold, D.O.	D. SIGNATURE -- PRECEPTOR <i>Wayne V. Arnold, D.O.</i>	E. DATE 06/05/2006
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