# 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

87-28333.01

(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.

Authorized User, Radiation Safety Officer

Nuclear Operations Manager, Co-

RSO

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Wayne V. Arnold, D.O., F.A.C.O.I.

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

(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

NRC FORM 313A

U.S. NUCLEAR REGULATORY COMMISSION

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION

APPROVED BY OMB: NO. 3150-0120 EXPIRES: 10/31/2008

#### 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)

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 PHARMÁCISTS (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	1112	1985-1987	
Radiation Protection	•	# # # # # # # # # # # # # # # # # # #		
Mathematics Pertaining to the Use and Measurement of Radioactivity	u }			
Radiation Biology				
Chemistry of Byproduct Material for Medical Use	p			
OTHER		Total Hours >80		

NRC FORM 313A (10-2005)

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NRC FORM 313 (10-2005)		NG AND EX	XPER	IENCE AND PRECEPTO	U.S. NUCLEAR REGULA OR ATTESTATION (contin	
				CAL EXPERIENCE WIT		
Description of Experience		Name of Supervising Individual(s)		Location and Corresponding Materials License Number	Dates and/o Clock Hours of Experience	
Ordering, receiving, and unpacking radioactive material safely and performing the related radiation surveys.				ard J. Brown, M.D.	SUNY, Stony Brook, NY NY DOH # 455	
activity of dosa	truments used to determing ages and performing check on of survey meters.	ne the ks for		i de la companya de l		
Calculating, me patient or huma	easuring, and safely prepa an research subject dosag	aring ges				
	rative controls to prevent the use of unsealed bypr					
Using proceduradioactive mated	res to safely contain spille terial and using proper on procedures.	d		and the state of t	1000	
Administering dosages of radioactive drugs to patients or human research subjects						
eluate, and prot	ors, measuring and testing cessing the eluate with rea ledradioactive drugs.					
June 2, 2006 Refresher inservice on all the above, Total Hours: 4			Terry (Omn	Day, RT, Co-RSO i Diagnostics)	Vineland, NJ 37-28333-01	Total Hours >700; 6-2-06: 4 hrs
	6b. SUPERVISED CLI	NICAL CA	SE EX	(PERIENCE (describe e	xperience elements in 6	a)
Radionuclide		No. of Control of Cont	ases ing nal		Location and Corresponding Materials License Number	Dates and/or Clock Hours of Experience
c-99m	Cardiac Imaging	>200		Wayne V. Arnold, D.O.	37-28333-01, Vineland, N.	7/05 to Present
s-137	Instrument Calib.	n/a		11	и	
				1 0 1 2		
<del></del>						and the
						Total hours:>70(

NRC FORM 313A (10-2005) MEDICAL USE TI	RAINING	AND EXPERIEN	ICE AND PRECEP		S. NUCLEAR REGULATORY COMMISSION TESTATION (continued)
6c. TR	AINING F	OR SECTIONS	35.50(e), 35.51(c),	35.590(c	), or 35.690(c)
Training Element		Туре о	f Training *		Location and Dates
					•
		est des lates de la Reine			andere e e e e e e e e e e e e e e e e e e
		•			en e
Types of training may include vendor training.	e supervis	ed (complete iter	n 10 for 35.50(e), 3		
7. FORMAL TRAINING	Physici	ans (for uses u	nder 35.400 and 35	.600) an	d Medical Physicists
Degree, Area of Study or Residency Program	Loc Cor	of Program and cation with responding Materials nse Number	Dates		Name of Organization that Approved the Program (e.g., Accreditation Council or Graduate Medical Education) and the Applicable Regulation (e.g., 10 CFR 35.490)
8. RADIATI	ON SAFE	TY OFFICER (R	SO) - ONE-YEAR	FULL-TII	
YES Completed 1 year N/A of	r of full-tim	e radiation safet	y experience (in are the RSO for Licen	as identif	fied in item 6a) under supervison.
9. MEDICAL	PHYSICIS	ST ONE-YEAR	FULL-TIME TRAIL	IING/WC	ORK EXPERIENCE
YES Completed 1 year				6a) in th	nerapeutic radiological physics
	physicist (	35.961) or meets	requirements for A	uthorized	d Medical Physicists (35.51);
			and	# 1 / 1/1.11 1	Sept.
YES Completed 1 year		•	•	ling radia	ation therapy services described
under the supervi	sion of		who	s a medi	ical physicist (35.961) or meets
requirements for	Authorized	Medical Physici	sts (35.51) (specify	use or de	evice)

NRC FO (10-2005)	RM 313A		U.S. NUCLEAR	REGULATORY COMMISSION
(10-2050)	MEDICAL USE TRAINING AND E	XPERIENCE AND PRECEPTOR	ATTESTATION	l (continued)
	10. SUPERVISING INDI	VIDUAL IDENTIFICATION AND	QUALIFICATION	ONS
The tra	ining and experience indicated above wall is needed to meet requirements in 1	ras obtained under the supervision O CFR Part 35, provide the followin	of (if more than ng information fo	one supervising or each) :
A.	Name of Supervisor	3. Supervisor is:		
Wa	ayne Arnold, D.O.	Authorized User	Authorized	Medical Physicist
		Radiation Safety Officer	Authorized	Nuclear Pharmacist
C.	Supervisor meets requirements of Part	· ` ` ` <u> </u>		·
	for medical uses in Part 35, Section(s)	200	27 W   1	
D.	Address		E. Materials Li	icense Number
	Vineland Facility (Omni Diagnosticš) Vineland, NJ		07.00	2000 04
			37-28	3333-01
Note:	PART This part must be completed by the inc experience, obtain a separate preceptor requirements in 35.590 or Part 35, Sub-	or statement from each. This part	ne preceptor is	necessary to document o meet training
	t the individual named in Item 1:			
11a.	has satisfactorily completed the requ	uirements in Part 35, Section(s) an	id Paragraph(s)	35-290 (c((i)(ii)
	as documented in section(s) 5,6a,b			
	meets the requirements in 35.50 types of use, as documented in sections.			0(c) for
11c.	has achieved a level of competency has achieved a level of competency User			ed
□ N/A	has achieved a level of radiation saf Officer for a medical use licensee ; (		1 independently	as a Radiation Safety
11d.	I am an Authorized Nuclear Pharmacist	Or I am a Radiation Sa	fety Officer; Or	
V	I meet the requirements of 290	section(s)	of 10 CFR Part	35
	or equivalent Agreement State requirem	nents to be a preceptor	or AMF	
,	for the following byproduct material use	es (or units):		İ
A. Add	dress	B. (	Materials Licens	se Number
	N. Presidential Blvd., Suite 100 a Cynwyd, PA			
			37-28333-	01
. NAME	OF PRECEPTOR (print clearly)	D. SIGNATURE - PRECEPTOR		E. DATE
Wayn	e V. Amold, D.O.	Warse V. Fundel, Od		06/06/2006

NRC FORM 313A (10-2005)

#### U.S. NUCLEAR REGULATORY COMMISSION

MEDICAL USE TRAINING AND EXPERIENCE

APPROVED BY OMB: NO. 3150-0120 EXPIRES: 10/31/2008

### 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.

- INDIVIDUALS IDENTIFIED ON A LICENSE OR PERMIT AS RADIATION SAFETY OFFICERS (RSO), AUTHORIZED USERS (AU), AUTHORIZED MEDICAL PHYSICISTS (AMP), OR AUTHORIZED NUCLEAR PHARMÁCISTS (ANP) SEEKING ADDITIONAL AÙTHÓRIZATIONS
- 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).
- Complete items 5, 6a, 6b, 10, and Preceptor items 11a through 11d to meet AU requirements in 35.396(a).

Description of Training	Location	Clock Hours	Dates of Training	
Radiation Physics and Instrumentation	Assosiates in Medical physics 5288 Transportation Blvd. Cleveland, OH 44125	35	3/17/06 to 3/24/06	
Radiation Protection	0	25		
Mathematics Pertaining to the Use and Measurement of Radioactivity	и	8		
Radiation Biology	#	5	5	
Chemistry of Byproduct Material for Medical Use	11	7*.		
OTHER	:	Total Hours :80		
*Includes generator elution, kit prep, & QC				

NRC FORM 313A (10-2005)

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NRC FORM 313A U.S. NUCLEAR REGULATORY COMMISSION MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued) 6a. WORK OR PRACTICAL EXPERIENCE WITH RADIATION Dates and/or Location and Name of Corresponding Clock Supervising Description of Experience Materials License Hours of Individual(s) Number Experience Ordering, receiving, and unpacking radioactive Wayne V. Arnold, D.O., RSO Cape May Court House, 10/03 to material safely and performing the related radiation Terry Day, RT, Co-RSO present 37-28333-01 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 Ed Sims, RSO Assosiates in Medical 3/17/06 to Eluting generators, measuring and testing the eluate, and processing the eluate with reagent kits **Physics** 3/24/06 Cleveland, OH 7 hrs to prepare labeledradioactive drugs. Total Hours >700 6b. SUPERVISED CLINICAL CASE EXPERIENCE (describe experience elements in 6a) No. of Cases Location and Dates and/or Name of Involving Clock Corresponding Radionuclide Supervising Type of Use Personal Materials License Hours of Individual **Participation** Number 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

PAGE 2

Total hrs:>700

RC FORM : 10-2005)		AINING AND EXPERIEN	ICE AND PRECEPTO	U.S. NUCLEAR REGULATORY COMMISSION ATTESTATION (continued)		
	6c. TR/	AINING FOR SECTIONS	35.50(e), 35,51(c), 35.5	590(c), or 35.690(c)		
	Training Element	Туре с	of Training •	Location and Dates		
			and the second s	manner and a		
		-				
		i parametri		s de la companya de l		
endor tra	aining.			(c), and 35.690(c)), didactic, or		
Degree	e, Area of Study or lency Program	Name of Program and Location with Corresponding Materials License Number	T	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)		
		t many s		The second secon		
	8. RADIATIO	N SAFETY OFFICER (F	RSO) - ONE-YEAR FUL	L-TIME EXPERIENCE		
YES N/A	Completed 1 year of	of full-time radiation safet	ty experience (in areas i the RSO for License I	dentified in item 6a) under supervison. No.		
	9. MEDICAL I	PHYSICIST ONE-YEAR	R FULL-TIME TRAINING	G/WORK EXPERIENCE		
YES N/A	(35.961) or medica	al physics (35.51) under the	he supervision of	) in therapeutic radiological physics prized Medical Physicists (35.51);		
			and	44 A		
YES	and for topics ident	tified in item 6a) for (spec	ce (at location providing	radiation therapy services described		
'] N/A	under the supervis	ion of	who is a	medical physicist (35.961) or meets		
JIMA		the selection of the address for the second	into 195 E41 /aa15	or davida)		
J IVA	requirements for A	uthorized Medical Physic	îsts (35.51) (specify use	or device)		

NRC FORM 313A U.S. NUCLEAR REGULATORY COMMISSION
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 B. Supervisor is:
Wayne Arnold, D.O. 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 E. Materials License Number
Cape Shore Cardiology Facility (Omni Diagnostics) Cape may Court House, NJ
Cape may Court House, No 37-28333-01
And the second of the second o
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).
l 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
N/A types of use, as documented in section(s) of this form.
<u>11</u> c.
has achieved a level of competency sufficient to independently operate a nuclear pharmacy (for 35.980); OF
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 ; <b>Of</b>
□ 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 B. Materials License Number
15 N. Presidential Blvd., Suite 100 Bala Cynwyd, PA
37-28333-01
C. NAME OF PRECEPTOR (print clearly)  D. SIGNATURE PRECEPTOR  E. DATE
Wayne V. Arnold, D.O. Wayne V. Frankly, Of 06/05/2006