Bayhealth Medical Center

Terry M. Murphy, FACHEPresident and Chief Executive Officer

640 S. State Street, Dover, DE 19901 Tel: (302) 744-7000 Fax: (302) 744-7181

June 7, 2011

Licensing Branch Nuclear Materials Safety Section Division of Safety & Safeguards U.S. N.R.C. - Region I 475 Allendale Rd. King of Prussia, PA 19406 Br 1
07-14850-01
07-03007565

Dear License Reviewer,

Please be advised that the following physicians have joined our staff as authorized users of 10 CFR 35.200 byproduct materials for cardiovascular imaging only.

Laeeq Ahmer, M.D. Harjinder S. Grewal, M.D.

Enclosed please find a copy of each physician's credentials including their NRC Form 313A.

All other aspects of our radiation safety program remain unchanged.

If you have any questions, please contact our consultant radiation physicist, Jay Yoder, MS, of Walter L. Robinson and Associates at "jyoder@walterrobinson.com", or contact us at 302-744-7057.

Our N.R.C. license no. is # 07-14850-01 (Bayhealth Medical Center – Kent General Hospital).

Sincerely,

Terry M. Murphy, FACHE

President and Chief Executive Officer

575332 NMSS/RGN1 MATERIALS-002

Enclosures: (2)



NRC FORM 313A (AUD) (3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED USER TRAINING AND EXPERIENCE

AND PRECEPTO (for uses defined under 3 [10 CFR 35.190, 3	EXPIRES: 3/31/2012				
ame of Proposed Authorized User	State or Territory Whe	re Licensed			
aeeq Ahmer, M.D.	Delaware				
equested Authorization(s) (check all that a	apply)				
35.100 Uptake, dilution, and excretion s	studies				
☑ 35.200 Imaging and localization studies					
35.500 Sealed sources for diagnosis (sp	pecify device)			
	RT I TRAINING AND EXPERIENC				
Training and Experience, including board the date of application or the individual mather required training and experience was education and experience related to the	nust have obtained related continuing s completed. Provide dates, duration	education and experience since			
1. Board Certification					
a. Provide a copy of the board certification	ation.				
 b. If using only 35.500 materials, stop Preceptor Attestation. 	here. If using 35.100 and 35.200 ma	terials, skip to and complete Part II			
2. Current 35.390 Authorized User S	eeking Additional 35,290 Authoriza	ition			
 a. Authorized user on Materials Licens State requirements seeking authori. b. Supervised Work Experience. (If more than one supervising indivicopies of this section.) 	zation for 35.290.	CFR 35.390 or equivalent Agreement vised work experience, provide multiple			
Description of Experience	Location of Experience/License Permit Number of Facility	cor Clock Dates of Hours Experience*			
Eluting generator systems appropriate for the preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclidic purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs					
Total Hours of Experience:					
Supervising Individual Supervisor meets the requirements be	authorized user	ber listing supervising individual as an			
	erator experience in 32.290(c)(1)(ii)(0				

FORM 313A (AUD) OUTPOSE TRAINING A	ND EXPERIENCE AND PRECE	U.S. NUCLEAR REGULA	
3. Training and Experience for Propo			
Classroom and Laboratory Training.			
Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation			
Radiation protection			
Mathematics pertaining to the use and measurement of radioactivity			
Chemistry of byproduct material for medical use (not required for 35.590)			
Radiation biology			
	Total Hours of Training:		
b. Supervised Work Experience (comp (If more than one supervising individ provide multiple copies of this sectio	dual is necessary to document sup		
Supervised Work Experience	Total H Experie	lours of ence:	
Description of Experience Must Include:	Location of Experience/Lice Permit Number of Facili		Dates of Experience
Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys		Yes No	
Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters		Yes No	

Training and Experience for Proposed Authorized User (continued)								
b. Supervised Work Experience	e. (continued)							
Description of Experience Must Include:	Lo	cation of Experience/Lice Permit Number of Faci		onfirm	Dates of Experience			
Calculating, measuring, and sa preparing patient or human res subject dosages				Yes No				
Using administrative controls to prevent a medical event involving use of unsealed byproduct materials.				Yes No				
Using procedures to contain sp byproduct material safely and u proper decontamination proced	sing			Yes No				
Administering dosages of radio drugs to patients or human resessiblects				Yes No				
Eluting generator systems appr for the preparation of radioactiv drugs for imaging and localizati studies, measuring and testing eluate for radionuclidic purity, a processing the eluate with reag kits to prepare labeled radioactidrugs	e on the and ent			Yes No				
Supervising Individual License/Permit Number listing supervising individual as an authorized user								
Supervisor meets the requirement 35.190 35.290	ents below, or eq		e requirements (che	,				
c. For 35.590 only, provide doc								
Device	Type o	f Training	Location	and Date	es			

d. For 35.500 uses only, stop here. For 35.100 and 35.200 uses, skip to and complete Part II Preceptor Attestation.

AUTHORIZED	USER TRAINII	NG AND EXPER	IENCE AND PRECEI	PTOR ATTESTATION (c	ATORY COMMISSION ontinued)
individual as long one preceptor is	g as the preception necessary to o	the individual's potor provides, direction discussion of the discu	preceptor. The prece ects, or verifies training ence, obtain a separat	ptor does not have to be t g and experience required	d. If more than
					fill the duties of the
	ving for each ı	use requested:			
35.190					
Board Certification	<u>on</u>				
I attest that	Name of Prop	osed Authorized User	has satisfactorily	completed the requireme	nts in
					dently as an
			OR		
Training and Exp	perience				
I attest that			has satisfactorily	completed the 60 hours o	f training and
	Name of Prop	osed Authorized User			
35.190(c)(1),	and has achie	ved a level of cor	mpetency sufficient to	function independently as	
35.290					
Board Certification	<u>on</u>				
✓ I attest that	Laceq Ahmer, I	M.D.	has satisfactorily	completed the requiremen	nts in
	Name of Prop	osed Authorized User	_		
					dently as an
			OR		
Training and Exp	<u>berience</u>				
attest that			has satisfactorily	completed the 700 hours	of training
CFR 35.290(ce, including a c)(1), and has	minimum of 80 h achieved a level	of competency sufficient	ent to function independer	
	for preceptor	attestation and	signature:		
	•		_	quirements, as an authoriz	ed user for:
35.190	✓ 35.290	35.390	35.390 + gen	erator experience	
of Preceptor		Signature //		Telephone Number	Date
rreceptor		, V //	\sim		
	individual as long one preceptor is required to meet By checking the position sought at the sought a	individual as long as the preceptone preceptor is necessary to descript the preceptor is necessary to descript the preceptor is necessary to descript the property of the following required to meet training required by checking the boxes below, the position sought and not attesting the position sought and not attesting to the position sought and not attesting to the following for each the state of the following for each the state of the following for each the state of the med to the following and the property of the following and the property of the following and the property of the following for preceptor of the	This part must be completed by the individual's individual as long as the preceptor provides, dire one preceptor is necessary to document experie required to meet training requirements in 35.590. By checking the boxes below, the preceptor is a position sought and not attesting to the individual section one of the following for each use requested: 35.190 Board Certification I attest that Name of Proposed Authorized User	This part must be completed by the individual's preceptor. The preceindividual as long as the preceptor provides, directs, or verifies trainin one preceptor is necessary to document experience, obtain a separal required to meet training requirements in 35.590) By checking the boxes below, the preceptor is attesting that the indiviposition sought and not attesting to the individual's "general clinical or one of the following for each use requested: 35.190 Board Certification I attest that Name of Proposed Authorized User 10 CFR 35.190(a)(1) and has achieved a level of competency sufficient to authorized user for the medical uses authorized under 10 CFR 35 OR Training and Experience I attest that Name of Proposed Authorized User experience, including a minimum of 8 hours of classroom and labor 35.190(c)(1), and has achieved a level of competency sufficient to authorized user for the medical uses authorized under 10 CFR 35 35.290 Board Certification I attest that Laceq Ahmer, M.D. Name of Proposed Authorized User 10 CFR 35.290(a)(1) and has achieved a level of competency sufficient to authorized user for the medical uses authorized under 10 CFR 35 35.290 Board Section I attest that Laceq Ahmer, M.D. Name of Proposed Authorized User 10 CFR 35.290(a)(1) and has achieved a level of competency sufficient of a section level of competency sufficient of the medical uses authorized under 10 CFR 35 and Section level of competency sufficient of the medical uses authorized under 10 CFR 35 and Section level of competency sufficient of the medical uses authorized under 10 CFR 35 and Section level of competency sufficient of the medical uses authorized under 10 C	By checking the boxes below, the preceptor is attesting that the individual has knowledge to fulf position sought and not attesting to the individual's "general clinical competency." Section one of the following for each use requested: 35.190 Board Certification

Incorporated 1996

CERTIFICATION BOARD OF NUCLEAR CARDIOLOGY

CERTIFIES THAT

Lacea Ahmer, MD.

HAVING MET THE REQUIREMENTS PRESCRIBED BY THIS BOARD FOR PHYSICIANS RESIDING IN THE UNITED STATES AND HAVING SATISFACTORILY PASSED THE REQUIRED EXAMINATION, IS HEREBY DESIGNATED

A DIPLOMATE CERTIFIED IN THE SUBSPECIALTY OF

NUCLEAR CARDIOLOGY

FOR THE PERIOD 2005 THROUGH 2015

PRESIDEN

CERTIFICATE # 3739



SECRETARY

OCTOBER 23, 2005

Cardiology Geisinger Medical Center M.C. 21-60 100 North Academy Avenue Danville, PA 17822

Danville, PA 17822 Ph: 570.271.6523 Fax: 570.271.8056 Geisinger

Health System

Heal. Teach. Discover. Serve.

Francis J Menapace, MD Section Chef, Cardology

Chuical Irials

05/19/2005

James C Blankenship, MD Director Cardiac Catheterization Lab

> Joyce A Burnside, MD Febocardingraphy

Certifying Board Nuclear Cardiology

Richard J Butcher, MD Nuclear Cardiology/Echocardiography

> John H Chapman, MD Interventional Cardiology

> > RE: Laceq Ahmer, M.D.

Henry F Fesniak, MD Invasive Cardiology

Thomas A Harrison, MD Critical Care

Timothy McConnell, PhD Cardiac Rehabilitation

Thomas A Modesto, MD Invasive Cardiology

> Louis A Nassef, MD Director

Non-Invasive Labs

Jess W Oren, IV MD

Director

Electrophysiology Lab

William Schiavone, DO Non-Invasive Cardiology

Karandeep Singh, MD interventional Cardiology

Randle H Storm, MD Director Device and Pacenniker Clinic Dear Sirs:

Dr. Ahmer has completed a training program in nuclear cardiology that meets the requirements as outlined in the ACC/ASNC COCATS guidelines (revised 2000). Dr. Ahmer is competent to independently function as an authorized user under 10 CFR35.290 uses.

Respectfully yours

RIBLYM MM

Richard J. Butcher, M.D. Director of Nuclear Cardiology

Clinical Assistant Professor of Medicine Jefferson Medical College NRC #37-01421-01

RJB/Idn; D: 05/19/2005 | 5:46 P; T: 05/19/2005 | 5:45 P; Doc #: 3242249

Ce:

Dr. Ahmer



2400 N Street, NW Washington, DC 20037 (800) 253-4636 ext. 5603

Physician CME Certificate

The American College of Cardiology Foundation (ACCF) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The American College of Cardiology Foundation certifies that

Laced Ahmer, M.B.B.S., F.A.C.C.

has participated in the educational activity titled

32nd Annual Recent Advances in Clinical Nuclear Cardiology and Cardiac CT Featuring
Case Review with the Experts
in Washington, DC

in Washington, DC May 06-08, 2010

and is awarded 20.50 AMA PRA Category I Credit(s) TM.

The ACCF designates this educational activity for a maximum of 23.25 AMA PRA Category 1 Credit(s)TM. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Karen N. Thompson Associate Director

CME Accreditation & Compliance

Jaren n Thompson

THE

AMERICAN BOARD OF INTERNAL MEDICINE
AMERICAN BOARD OF INTERNAL MEDICINE

Lucey Ahmer

HAS MET THE REQUIREMENTS OF THIS BOARD AND IS HEREBY CERTIFIED FOR THE PERIOD 2002 THROUGH 2012

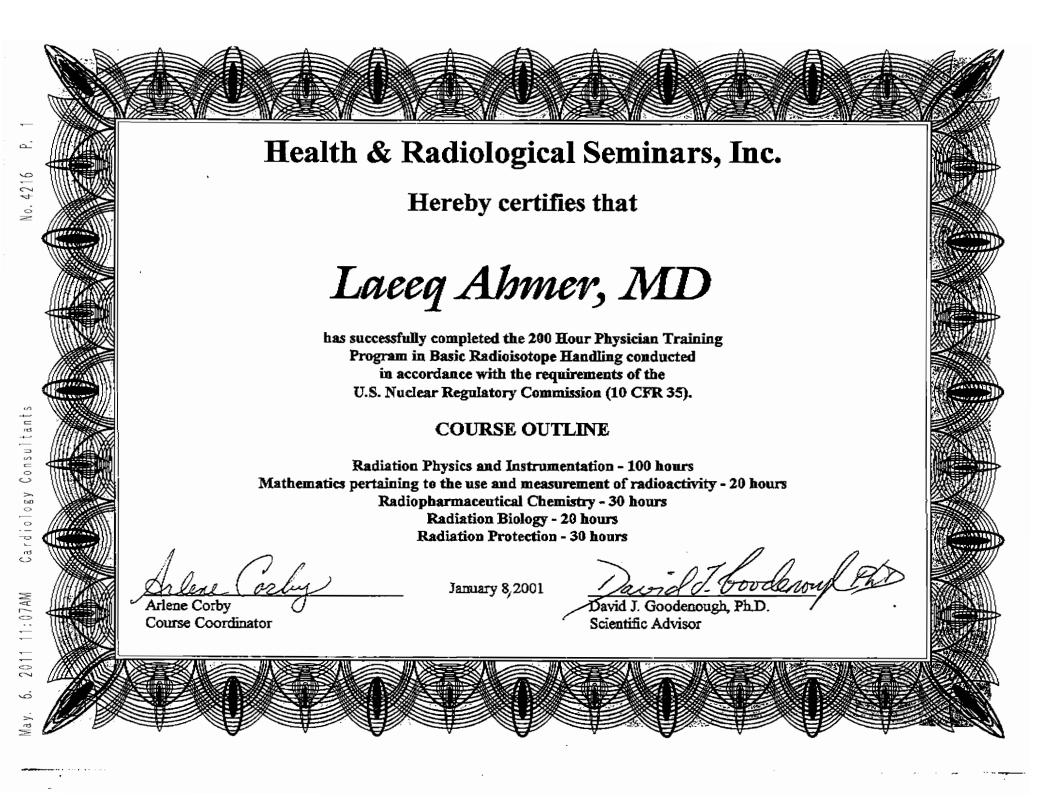
AS A DIPLOMATE IN

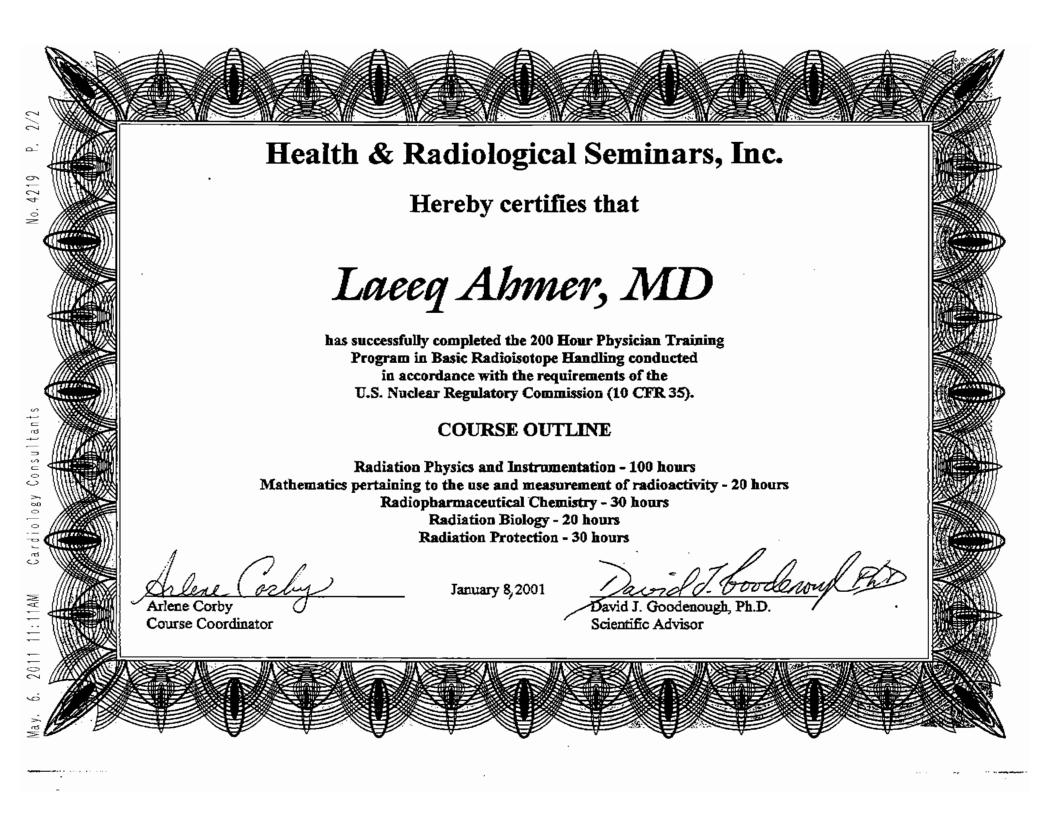
CARDIOVASCULAR DISEASE



SUBSPECIALTY BOARD ON CARDIOVASCULAR DISEASE

NUMBER 194105





NRC FORM 313A (AUD) (3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION s defined under 35 100, 35 200, and 35 500)

APPROVED BY OMB: NO. 3150-0120 EXPIRES: 3/31/2012

Name of Proposed Authorized User	State or Territory Where Licensed					
Harjinder S. Grewal, M.D.	Delaware					
Requested Authorization(s) (check all that ap	nh/)					
35:100 Uptake, dilution, and excretion stu						
✓ 35.200 Imaging and localization studies	uies					
35.500 Sealed sources for diagnosis (spe	cify device					
	, , , , , , , , , , , , , , , , , , , ,					
	T I TRAINING AND EXPERIENCE of one of the three methods below)					
* Training and Experience, including board of the date of application or the individual mu	ertification, must have been obtained within the 7 years st have obtained related continuing education and expension of completed. Provide dates, duration, and description of c	rience since				
1. Board Certification						
a. Provide a copy of the board certificat	on.					
 b. If using only 35.500 materials, stop h Preceptor Attestation. 	 If using only 35.500 materials, stop here. If using 35.100 and 35.200 materials, skip to and complete Part II Preceptor Attestation. 					
2. Current 35.390 Authorized User Sec	king Additional 35.290 Authorization					
 a. Authorized user on Materials License State requirements seeking authoriza b. Supervised Work Experience, (If more than one supervising individu copies of this section.) 		·				
Description of Experience	Location of Experience/License or Clock Permit Number of Facility Hours					
Eluting generator systems appropriate for the preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclidic purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs						
	Total Hours of Experience:					
Supervisor meets the requirements below	License/Permit Number listing supervising authorized user v, or equivalent Agreement State requirements (check a					
	ator experience in 32.290(c)(1)(ii)(G)	ш шасарруу.				

NRC FOR	M	3	13A	(A	UD)
(3-2009)			ITU	_	כום

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

1	2	Training and	Evnerience	for	Droposad	Author	hori	Hear
✓	ა.	Training and	experience	101	Proposeu	<u>Aumor</u>	izea	<u>USEI</u>

a. Classroom and Laboratory Training.

Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation	Georgetown University Medical Center	100	9/18/97-12/8/97
Radiation protection	Georgetown University Medical Center	30	9/18/97-12/8/97
Mathematics pertaining to the use and measurement of radioactivity	Georgetown University Medical Center	20	9/18/97-12/8/97
Chemistry of byproduct material for medical use (not required for 35.590)	Georgetown University Medical Center	30	9/18/97-12/8/97
Radiation biology	Georgetown University Medical Center	20	9/18/97-12/8/97
	Total Hours of Training: 200		

b. Supervised Work Experience (completion of this table is not required for 35.590). (If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Supervised Work Experience Please se	Total Hours of Please see attached documentation Experience:			
Description of Experience Location of Experience Must Include: Permit Number o			Confirm	Dates of Experience*
Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys			Yes No	
Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters			Yes No	

<u> Training and Experience for Pi</u>	oposea Authori	ized User (continued)							
o. Supervised Work Experience	sed Work Experience. (continued)								
Description of Experience Must Include:		ation of Experience/License or Permit Number of Facility	Confirm	Dates of Experience					
Calculating, measuring, and safe preparing patient or human rese subject dosages			Yes No						
Using administrative controls to prevent a medical event involving use of unsealed byproduct mater			Yes No						
Using procedures to contain spill byproduct material safely and us proper decontamination procedu	ing		Yes No						
Administering dosages of radioa drugs to patients or human resea subjects			Yes No						
Eluting generator systems approfor the preparation of radioactive drugs for imaging and localizatio studies, measuring and testing the luate for radionuclidic purity, an processing the eluate with reage kits to prepare labeled radioactivedrugs	n ne d nt		Yes						
Supervising Individual David A. Ramos, M.D.	<u>'</u>	License/Permit Number lis authorized user 07-27897-01	sting supervising ind	ividual as an					
Supervisor meets the requirement	nts below, or equ	ivalent Agreement State require	ements (check one	·).					
35.190 35.290	35.390	35.390 + generator expe							
c. For 35.590 only, provide docu		ning on use of the device.	Location and Da	ites					

NRC FO (3-2009)	ORM 313A (AUD) AUTHORIZED	USER TRAINI	NG AND EXPERI	ENCE AND PRECEPT	U.S. NUCLEAR REGULATION (C	
			PART II – PREC	EPTOR ATTESTATIO	N	
Note:	individual as lon- one preceptor is	g as the precept necessary to o	y the individual's potor provides, dire	oreceptor. The precepto cts, or verifies training a nce, obtain a separate	or does not have to be t and experience required	d. If more than
	By checking the position sought	boxes below, t and not attestin	he preceptor is at ng to the individual	testing that the individu I's "general clinical com	al has knowledge to fulf	îll the duties of the
	Section one of the follow	wing for each	use requested:			
For	35.190					
	Board Certification	<u>on</u>				
	I attest that			has satisfactorily co	ompleted the requiremen	nts in
		90(a)(1) and ha		el of competency suffici ed under 10 CFR 35.10		dently as an
				OR		
	Training and Exp	perience		•		
	attest that	201101100		has satisfactorily co	empleted the 60 hours o	f training and
	T attest that	Name of Prop	posed Authorized User	rias satisfactority co	impleted the 00 floars 0	Training and
_	35.190(c)(1), authorized us	, and has achie	eved a level of com	of classroom and labora npetency sufficient to fu ed under 10 CFR 35.10	inction independently as	
<u>For</u>	35.290					
	Board Certification	<u>on</u>				
	l attest that	Name of Prop	posed Authorized User	has satisfactorily co –	empleted the requiremen	nts in
		90(a)(1) and ha	as achieved a leve	el of competency sufficioned under 10 CFR 35.10		dently as an
				OR		
	Training and Exp	<u>perience</u>				
	✓ I attest that	Harjinder S Gi	rewal, MD	has satisfactorily co	mpleted the 700 hours	of training
	CFR 35.290(nce, including a (c)(1), and has	achieved a level o	ours of classroom and la of competency sufficient ed under 10 CFR 35.10	to function independen	
Secon	d Section	,42,				
Compl	ete the following	for preceptor	attestation and	signature:		
	✓ I meet the re	quirements bel	ow, or equivalent	Agreement State requir	rements, as an authoriz	ed user for:
	35.190	√ 35.290	35.390	35.390 + genera	ator experience	
Name o	of Preceptor		Signature)	Ž,	Telephone Number	Date
David A	A. Ramos, M.D.		OVN		(302) 672-4600	04/28/2011
	Permit Number/Fac 97-01 Cardiology Co	•				

Cardiology Consultants



American Society of Nuclear Cardiology

NUCLEAR CARDIOLOGY EDUCATION PROGRAM

Certificate of Completion

In recognition of having completed 200 hours of Category I CME credit through lecture and laboratory training in Basic Radioisotope Handling Techniques and in the technical aspects of Nuclear Medicine imaging procedures, this certificate is hereby awarded to:

Harjinder S. Grewal, M.D.

Course Content

<u>Hoụr</u>	<u>s</u>	<u>Hoi</u>	<u>ırs</u>
. 100	Radiation Physics and	20	Mathematics pertaining to Radioactivit
	Instrumentation	20	Radiation Biology, and
30	Radiation Protection	30	Radiopharmaceutical Chemistry
			· · · · · · · · · · · · · · · · · · ·

This program was conducted under the supervision of the American Society of Nuclear Cardiology, Bethesda, MD and in the clinical Nuclear Medicine Department at Georgetown University

Medical Center from September 18, 1997 December 8, 1997

and has

been completed to the satisfaction of the curriculum faculty.

Kenneth A. Brown, M.D.

Program Director

I. George Zubal, İ Propan Cominaer

Bayhealth Medical Center

Kent General Hospital 640 S. State Street, Dover, DE 19901 (302) 674-4700 Milford Memorial Hospital 21 W. Clarke Avenue, Milford, DE 19963 (302) 422-3311

April 27, 2011

U.S. Nuclear Regulatory Commission Licensing Branch Nuclear Materials Safety Section Division of Safety & Safeguards U.S., N.R.C. - Region 1 475 Allendalde Road King of Prussia, PA 19406

RE: Harjinder S. Grewal, M.D.

To Whom It May Concern:

I am writing to attest to the training and experience of Dr. Harjinder S. Grewal in relation to Nuclear Cardiology.

Dr. Grewal completed 200 hours of Nuclear Cardiology Education in 1997. Since that time he has worked with me at Bayhealth Medical Group - Cardiology Consultants (formerly Cardiology Consultants, P.A.) and the Cardiac Diagnostic Center. This cardiac diagnostic facility performs an average of 135-145 Nuclear Cardiac Stress tests per month. Dr. Grewal reads and interprets approximately half of these studies.

I am currently an NRC licensed physician at the Dover CDC office for the last 16 years. Dr Grewal joined me and I supervised him early on in 1997 and can attest to his excellent skills.

Please do not hesitate to contact me if you have any questions or require additional information.

Respectfully.

David A. Ramos, M.D.



This is to acknowledge the receipt of your letter/application dated	
includes an administrative review ha	nd to inform you that the initial processing which as been performed.
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 575332. When calling to inquire about this action, please refer to this control number. You may call us on (610) 337-5398, or 337-5260.	
NRC FORM 532 (RI) (6-96)	Sincerely, Licensing Assistance Team Leader