

INDIANA HEART ASSOCIATES, P.C.



FACSIMILE COVER SHEET

Richard A. Hahn, M.D.,  
 F.A.C.C., F.A.C.P., F.C.C.P.  
 Samuel M. Hazlett, M.D., F.A.C.C.  
 Harry G. Lim, M.D., F.A.C.C.  
 Howard T. Morrison, M.D., F.A.C.C.  
 Srinivas Vallapuri, M.D., F.A.C.C.  
 Don B. Ziperman, M.D.,  
 F.A.C.C., F.A.C.P., F.A.H.A.  
 Kristi Swarthwood, APRN-BC  
 • 1400 North Ritter Avenue, Suite 500  
 Indianapolis, Indiana 46219  
 317-355-1234 • 317-355-1505(fax)

Shobashlini Chokkalingam, M.D.  
 Sandeep Dubc, M.D., F.A.C.C.  
 Sheila M. Gamache, M.D., F.A.C.C.  
 Karan R. Kareti, M.D.  
 Nanette B. Oscherwitz, M.D.  
 Stephen M. Peskoe, M.D., F.A.C.C.  
 Michael A. Robertson, M.D.  
 Scott M. Sharp, M.D., F.A.C.C.  
 Michael C. Venturini, M.D., F.A.C.C.  
 Joy Dutcher, APRN-BC  
 Kris Kinghorn, APRN-BC  
 Penny Norris, APRN-BC  
 Shelby Sauerheber, APRN-BC  
 • 8075 North Shadeland, Suite 200  
 Indianapolis, Indiana 46250  
 317-621-8500 • 317-621-8501(fax)

John E. Barchelder, M.D.,  
 F.A.C.C., F.A.C.P., F.C.C.P.  
 Louis E. Janeiro, M.D., F.A.C.C.  
 Scott W. Jones, M.D.  
 Karamchand Paul, M.D., F.A.C.C.  
 DeoVrat Singh, M.D., F.A.C.C., F.C.C.P.  
 Bradley A. Weinberg, M.D., F.A.C.C.  
 Ramarao Yeleti, M.D., F.A.C.C., F.S.C.A.I.  
 Robin Viviano, M.S.N., F.N.P., N.P.  
 • 1422 East County Line Road, Suite 2200  
 Indianapolis, Indiana 46227  
 317-887-7880 • 317-887-7880(fax)  
 • 1101 West Jefferson Street, Suite A  
 Franklin, Indiana 46131  
 317-736-7651 • 317-736-7337(fax)

Ibad U. Ansari, M.D., F.A.C.C.  
 • 2229 John B. Wooden Drive  
 Muncieville, Indiana 46151  
 765-349-6710 • 765-349-6751(fax)

TO: Mr. Jim Mullauer

FROM: Stephanie Ruffin

DATE: 6/9/08 This is page 1 of 6 pages.

RE: \_\_\_\_\_

COMMENTS:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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Jun. 5. 2008 12:27PM INDIANAHEARTASSOC.

No. 7074 P. 2/2

**Medical Physics Consultants, Inc.****Sealed Source Leak Test**Facility: INDIANA HEART ASSOCIATES, PC (EAST)Date: 3/16/01

Nuclide	Type	Calibration Activity	Calibration Date	Location	M/N	S/N
Co-57	Flood	10 mCi	9/17/99	Hot Lab	MED3709	B0960
Co-57	Flood	10 mCi	12/8/00	Hot Lab	MED3709	4351
Gd-153	Line	250 mCi	2/00	HOT LAB	NES-8412	63853
Gd-153	Line	250 mCi	2/00	HOT LAB	NES-8412	63854
Cs-137	Vial	200.05 mCi	3/1/00	HOT LAB	NONE	B1866

Comment: The sources listed above were leak tested using a dry wipe technique and were found to have less than 0.005 uCi removable activity. The following Minimum Detectable Activities are based upon a background at the indicated value. Background was at or below these levels when the above tests were completed.

Well Counter: Ludlum 2200

Nuclide	MDA	Background
Cs-137	$1.60 \times 10^{-4}$	30 cpm
Ba-133	$7.00 \times 10^{-5}$	83 cpm
Co-57	$4.00 \times 10^{-5}$	83 cpm
Gd-153	$5.00 \times 10^{-5}$	23 cpm

Tested by: *Elaine Seibert*Date: 3/16/01RADIATION SAFETY OFFICER: *Vinsky*

<p><b>NRC FORM 313A (AUD)</b> (10-2007)</p> <p style="text-align: center;"><b>U.S. NUCLEAR REGULATORY COMMISSION</b></p> <p style="text-align: center;"><b>AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION</b> (for uses defined under 35.100, 35.200, and 35.500) [10 CFR 35.190, 35.290, and 35.590]</p>	<p>APPROVED BY OMB: NO. 3160-0120 EXPIRES: 10/31/2008</p>								
<p>Name of Proposed Authorized User: <b>Scott W. Jones, M.D.</b>      State or Territory Where Licensed: <b>Indiana</b></p>									
<p>Requested Authorization(s) (check all that apply)</p> <p><input checked="" type="checkbox"/> 35.100 Uptake, dilution, and excretion studies</p> <p><input checked="" type="checkbox"/> 35.200 Imaging and localization studies</p> <p><input type="checkbox"/> 35.500 Sealed sources for diagnosis (specify device _____)</p>									
<p><b>PART I -- TRAINING AND EXPERIENCE</b> (Select one of the three methods below)</p>									
<p>* Training and Experience, including board certification, must have been obtained within the 7 years preceding the date of application or the individual must have obtained related continuing education and experience since the required training and experience was completed. Provide dates, duration, and description of continuing education and experience related to the uses checked above.</p>									
<p><input checked="" type="checkbox"/> <b>1. Board Certification</b></p> <p>a. Provide a copy of the board certification.</p> <p>b. If using only 35.500 materials, stop here. If using 35.100 and 35.200 materials, skip to and complete Part II Preceptor Attestation.</p>									
<p><input type="checkbox"/> <b>2. Current 35.390 Authorized User Seeking Additional 35.290 Authorization</b></p> <p>a. Authorized user on Materials License _____ meeting 10 CFR 35.390 or equivalent Agreement State requirements seeking authorization for 35.290.</p> <p>b. Supervised Work Experience. (If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)</p>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:35%;">Description of Experience</th> <th style="width:30%;">Location of Experience/License or Permit Number of Facility</th> <th style="width:10%;">Clock Hours</th> <th style="width:25%;">Dates of Experience*</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">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</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Description of Experience	Location of Experience/License or Permit Number of Facility	Clock Hours	Dates of 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			
Description of Experience	Location of Experience/License or Permit Number of Facility	Clock Hours	Dates of 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									
<p><b>Total Hours of Experience:</b></p>									
<p>Supervising Individual: _____ License/Permit Number listing supervising individual as an authorized user: _____</p>									
<p>Supervisor meets the requirements below, or equivalent Agreement State requirements (check all that apply).</p> <p><input type="checkbox"/> 35.290      <input type="checkbox"/> 35.390 + generator experience in 32.290(c)(1)(ii)(G)</p>									

**NRC FORM 313A (AUD)** (10-2007) **AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)** **U.S. NUCLEAR REGULATORY COMMISSION**

**3. Training and Experience for Proposed Authorized User**

**a. 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 <i>(not required for 35.590)</i>			
Radiation biology			
<b>Total Hours of Training:</b>			

**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		Total Hours of Experience:	
Description of Experience Must Include:	Location of Experience/License or Permit Number of Facility	Confirm	Dates of Experience*
Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters		<input type="checkbox"/> Yes <input type="checkbox"/> No	

**NRC FORM 313A (AUD)** **U.S. NUCLEAR REGULATORY COMMISSION**  
 (10-2007) **AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**3. Training and Experience for Proposed Authorized User (continued)**

**b. Supervised Work Experience. (continued)**

Description of Experience Must Include:	Location of Experience/License or Permit Number of Facility	Confirm	Dates of Experience*
Calculating, measuring, and safely preparing patient or human research subject dosages		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Using administrative controls to prevent a medical event involving the use of unsealed byproduct material		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Using procedures to contain spilled byproduct material safely and using proper decontamination procedures		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Administering dosages of radioactive drugs to patients or human research subjects		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Supervising Individual	License/Permit Number listing supervising individual as an authorized user		

Supervisor meets the requirements below, or equivalent Agreement State requirements (*check one*).

- 35.190     35.290     35.390     35.390 + generator experience in 35.290(c)(1)(ii)(G)

**c. For 35.590 only, provide documentation of training on use of the device.**

Device	Type of Training	Location and Dates

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

NRC FORM 313A (AUD)  
(10-2007)

U.S. NUCLEAR REGULATORY COMMISSION

**AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**PART II – PRECEPTOR ATTESTATION**

**Note:** This part must be completed by the individual's preceptor. The preceptor does not have to be the supervising individual as long as the preceptor provides, directs, or verifies training and experience required. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each. (Not required to meet training requirements in 35.590)

By checking the boxes below, the preceptor is attesting that the individual has knowledge to fulfill the duties of the position sought and not attesting to the individual's "general clinical competency."

**First Section**

Check one of the following for each use requested:

For 35.190

Board Certification

I attest that Scott Jones has satisfactorily completed the requirements in  
Name of Proposed Authorized User

10 CFR 35.190(a)(1) and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100.

OR

Training and Experience

I attest that \_\_\_\_\_ has satisfactorily completed the 60 hours of training and  
Name of Proposed Authorized User

experience, including a minimum of 8 hours of classroom and laboratory training, required by 10 CFR 35.190(c)(1), and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100.

For 35.290

Board Certification

I attest that Scott Jones has satisfactorily completed the requirements in  
Name of Proposed Authorized User

10 CFR 35.290(a)(1) and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100 and 35.200.

OR

Training and Experience

I attest that \_\_\_\_\_ has satisfactorily completed the 700 hours of training  
Name of Proposed Authorized User

and experience, including a minimum of 80 hours of classroom and laboratory training, required by 10 CFR 35.290(c)(1), and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100 and 35.200.

**Second Section**

Complete the following for preceptor attestation and signature:

I meet the requirements below, or equivalent Agreement State requirements, as an authorized user for:

35.190     35.290     35.390     35.390 + generator experience

Name of Preceptor	Signature	Telephone Number	Date
Kiran R. Kareti, M.D.	<i>K. Kareti MD</i>	(317) 904-6905	06/05/2008
License/Permit Number/Facility Name			
13-24834-01			