

# ACADEMIC HEART & VASCULAR PLLC



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Beaumont Heart Center Clinic • 3601 W. 13 Mile Road • Royal Oak, MI 48073  
21090 Allen Road • Woodhaven, MI 48183  
Beaumont Medical Center • 25631 Little Mack Avenue Suite 201 • St. Clair Shores, MI 48081

## Fax

Date: 7/14/08  
Number of pages including cover 9

To: \_\_\_\_\_  
NRC Material Licensing

From: Janice Pyc

Phone: \_\_\_\_\_

Phone: 248-898-3371

Fax: 630 829 9782

Fax: 248-898-0698

cc: \_\_\_\_\_

E-mail: [jpyc@beaumont-hospitals.com](mailto:jpyc@beaumont-hospitals.com)

Remarks:  Urgent  For your review  Reply ASAP  Please comment

License cancellation: 2132553 01

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**ACADEMIC HEART & VASCULAR PLLC**

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*Cindy L. Grines, M.D., F.A.C.C. • Robert D. Safian, M.D., F.A.C.C. • James A. Goldstein, M.D., F.A.C.C. • David E. Faines, M.D., F.A.C.C.  
Simon R. Dixon, MBChB, F.A.C.C. • George S. Hanzel, M.D., F.A.C.C. • Srinivas R. Dukkipati, M.D. • Ginetta Gomez, D.O.*



July 3, 2008

U. S. Nuclear Regulatory Commission  
Region III  
Materials Licensing Section  
2443 Warrenville Road Suite 210  
Lisle, IL 60532-4352

**RE: Termination of NRC License No. 21-32553-01**

Dear Sir/Madam:

Please terminate our NRC license No. 21-32553-01.

The results of the close-out surveys are enclosed for your review.

Thank you for your cooperation with this matter. If you have any questions or require additional information, please contact our physics consultant, Michelle Kritzman at 734.662.3197.

Cordially,

Robert D. Safian, M.D.  
Owner, Managing Partner  
Academic Heart & Vascular PLLC

## Close-out Survey Information

**Close-out Location:**

Academic Heart & Vascular, PLLC  
21090 Allen Road  
Woodhaven, MI 48183

**Date performed:** July 3, 2008**Performed by:** Michelle Kritzman, M.S., Radiological Physicist**Comments:** This location was used for 35.200 activities. The last day of use for the following isotopes were:

Tc-99m – 6/26/08

**Instruments:**

Wipe tests analyzed on the following Well counter:

Instrument: CAPINTEC CAPTUS 3000 S/N 900271Spectrum: Full SpectrumEfficiency Full Spectrum: 40%

Area survey performed with the following survey meter:

Manufacturer: Ludlum  
Type: GM  
Model Number: 14C  
Serial Number: 141773  
Probe Model: Side Window  
Calibration Date: 5/01/2008

Battery check acceptable: YES  
Operational check acceptable: YES  
Constancy check acceptable: YES  
Check source value: 2.0 mR/hr

**Radionuclides Used:****Unsealed**

Tc-99m

**Sealed**

Co-57

Cs-137

Ba-133

**Visual Check:** The area was checked to ensure that all radioactive waste had been removed. All sealed sources were removed by Alan D. Smith, of Diagnostic Imaging, Inc. on 6/30/2008. No evidence of radioactive material was noted.

**Radiation Level Survey:** No area within the department demonstrated radiation levels in excess of the background reading of 0.02 mR/hr.

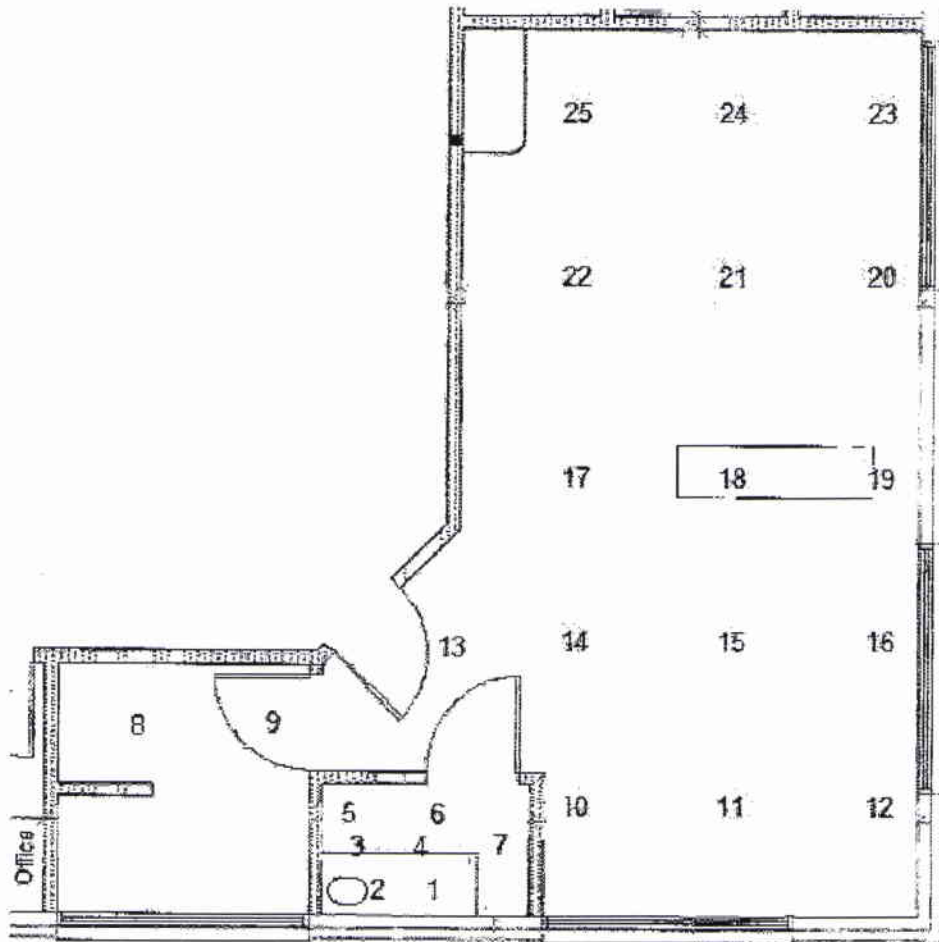
**Removable Contamination:** No area within the department demonstrated removable contamination in excess of 63 dpm's.

**Surveys, Wipes, and Diagrams are enclosed for review.**

**Conclusion:** No radioactive materials remain in this area. No removable contamination is present.

Academic Heart & Vascular, PLLC License # 21-32853-01				
Date: 7/3/2008		Performed By: M Kritzman, M.S.		
Survey Meter: Ludlum 14C		Check Value: 2 mR/hr		
		net cpm	net dpm	mR/h
1	Counter	25	63	0.02
2	Counter	25	63	0.02
3	Cabinet	25	63	0.02
4	Cabinet	25	63	0.02
5	Floor	0	0	0.02
6	Floor	0	0	0.02
7	Floor	0	0	0.02
8	Floor	0	0	0.02
9	Floor	0	0	0.02
10	Floor	0	0	0.02
11	Floor	0	0	0.02
12	Floor	0	0	0.02
13	Floor	9	23	0.02
14	Floor	9	23	0.02
15	Floor	9	23	0.02
16	Floor	9	23	0.02
17	Floor	0	0	0.02
18	Floor	0	0	0.02
19	Floor	0	0	0.02
20	Floor	0	0	0.02
21	Floor	3	8	0.02
22	Floor	3	8	0.02
23	Floor	3	8	0.02
24	Floor	3	8	0.02
25	Floor	3	8	0.02
	Background	556		0.02
<p><b>ACTION LEVELS: 2000 dpm</b>      Conversion factor 2.5dpm/cpm</p> <p><b>COMMENTS: No evidence of removable contamination.</b></p>				

ACADEMIC HEART & VASCULAR, PLLC  
LICENSE NUMBER 21-32553-01



# DIAGNOSTIC IMAGING INC.

CLINICAL INSTRUMENTATION SALES AND SERVICE

BOX 2238 FARMINGTON HILLS, MICHIGAN 48333

(313) 478-5808

JUNE 30TH, 2008

TO WHOM IT MAY CONCERN,

I, ALAN D. SMITH, OF DIAGNOSTIC IMAGING, INC., P.O. BOX 2238, FARMINGTON HILLS, MI, 48333, AM TRANSFERRING THE FOLLOWING SEALED RADIOACTIVE SOURCES AND HOT LAB EQUIPMENT FROM:

ACADEMIC HEART AND VASCULAR  
O'NEILL, GRINES, SAFIAN, AND GOLDSTEIN  
21090 ALLEN RD.  
WOODHAVEN MI. 48183-1602

TO: LANSING CARDIOVASCULAR INSTITUTE, INC.  
CARDIOLOGY CONSULTANTS, P.C.  
JWALA PRASAD M.D.  
5848 EXECUTIVE DRIVE  
LANSING MI. 48911

THE SOURCES ARE AS FOLLOWS:

1. E-VIAL SOURCE, Cs-137, SOURCE # 1111-2-10, REF. DATE, 1 APR 05  
ACTIVITY, 205.4 uCi
2. E-VIAL SOURCE, BA-133, SOURCE # 1111-59-4, REF. DATE, 1 MAY 05  
ACTIVITY, 273.5 uCi
3. PERFLEXION SHEET SOURCE, CO-57, SOURCE # 1121-033, REF. DATE, 1 APR 05  
ACTIVITY, 10 mCi
4. SEALED ROD SOURCE, CS-137, SOURCE # 1034-78-65, REF. DATE, 1 MAR 05,  
ACTIVITY, 500 uCi

THE EQUIPMENT CONSISTS OF A CAPINTEC CRC-15W DOSE CALIBRATOR, SERIAL # 171196, AND WELL, SERIAL # 171196,

THIS INFORMATION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE. ANY QUESTIONS CONCERNING THIS SOURCE TRANSFER MAY BE DIRECTED TO ME PERSONALLY, AT 248-980-5808

*Alan D. Smith*

PRESIDENT  
DIAGNOSTIC IMAGING, INC.

*Chris Egan*

OFFICE MGR - WOODHAVEN

**Medical Physics Consultants, Inc.****Sealed Source Inventory**Licensee: Academic Heart & Vascular, PLLCDate: 05/15/08Performed by: Michelle Kritzman

Nuclide	Type	Calibration		Location	M/N	S/N
		Activity	Date			
Cs-137	Vial	205.4 uCi	04/01/05	Hot Lab	1111-2-10	
		Current Activity: 191.1 uCi				
Ba-133	Vial	273.5 uCi	05/01/05	Hot Lab	1111-59-4	
		Current Activity: 224.8 uCi				
Co-57	Flood	10 mCi	04/01/05	Hot Lab	1121-033	PF 16 R-057-10
		Current Activity: 0.541 mCi				
Cs-137	Rod	0.5 uCi	03/01/05	Hot Lab	1034-78-51	
		Current Activity: 0.464 uCi				
Cs-137	Spot	1 uCi	11/04/07	Meter	3465	
		Current Activity: 0.988 uCi				
Cs-137	Spot	1 uCi	07/04/07	Meter	2128	
		Current Activity: 0.98 uCi				

**SEALED SOURCE AMBIENT EXPOSURE SURVEY**

Meter:

Max Reading 0.0 mR/hr

**RADIATION SAFETY OFFICER:** \_\_\_\_\_



**Medical Physics Consultants, Inc.****Sealed Source Leak Test**Licensee: Academic Heart & Vascular, PLLCDate: 05/15/08Performed by: Michelle Kritzman

Nuclide	Type	Calibration Activity	Calibration Date	Location	M/N	S/N
Cs-137	Vial	205.4 uCi	04/01/05	Hot Lab	1111-2-10	
		Current Activity: 191.1 uCi				
Ba-133	Vial	273.5 uCi	05/01/05	Hot Lab	1111-59-4	
		Current Activity: 224.8 uCi				
Co-57	Flood	10 mCi	04/01/05	Hot Lab	1121-033	PF 16 R-057-10
		Current Activity: 0.541 mCi				

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: Captus 3000

Nuclide	MDA	Background
Cs-137	$2.0 \times 10^{-4}$ uCi	145 counts/1 min
Ba-133	$8.8 \times 10^{-5}$ uCi	204 counts/1 min
Co-57	$1.7 \times 10^{-5}$ uCi	53 counts/1 min

**RADIATION SAFETY OFFICER:** \_\_\_\_\_