

**Phillip B. Duncan, M.D., F.A.C.C.**

Cardiovascular Diseases  
Interventional Cardiology

RECEIVED  
REGION 1

'05 JAN -7 PM 2:55



Virginia Heart Group, Ltd.  
P.O. Box 4080  
Chester, Virginia 23831

**OFFICES**

01-03-05

Division of Nuclear Materials Safety  
United States Nuclear Regulatory Commission  
Region I - Division of Nuclear Materials Safety  
475 Allendale Road  
King of Prussia, Pennsylvania 19406

13125 River's Bend Boulevard  
Chester, Virginia 23836  
TELE 804.530.5178  
FAX 804.530.5185

RE: License 45-25258-01

03033219

Pursuant to '35.14, Virginia Heart Group, Ltd. is notify the NRC that administration has approve the following individual as an authorized user as of 01-03-05.

Kwabena O Agyeman, MD.      Licensed material in 10 CFR 35.200, as per NRC Materials License 270-762-1103 (see attached).

If there are any questions concerning this letter or the attached materials please contact Suzanne Journigan in Nuclear Medicine 804 530 5178.

Sincerely:

A handwritten signature in black ink, appearing to read "Phillip B. Duncan".  
Phillip B. Duncan M.D. RSO

136259

**NMSS/RGNI MATERIALS-002**

CABINET FOR HEALTH SERVICES  
COMMONWEALTH OF KENTUCKY  
RADIOACTIVE MATERIAL LICENSE

PAGE 1

## 1. LICENSEE AND 2. ADDRESS

MURRAY-CALLOWAY CO HOSPITAL  
803 POPLAR STREET  
MURRAY, KY 42071

ATTENTION: ISSAC COE  
TELEPHONE: 270-762-1103

-----  
PURSUANT TO KRS 211.842 ET SEQ., THE KENTUCKY CABINET FOR HUMAN  
RESOURCES REGULATIONS, 902 KAR 100, AND IN RELIANCE ON STATEMENTS  
AND REPRESENTATIONS HERETOFORE MADE BY THE LICENSEE, A LICENSE IS  
HEREBY ISSUED TO RECEIVE, ACQUIRE, OWN, POSSESS AND TRANSFER  
RADIOACTIVE MATERIAL LISTED BELOW; AND TO USE SUCH RADIOACTIVE  
MATERIAL FOR THE PURPOSE(S) AND AT THE PLACE(S) DESIGNATED BELOW.  
THIS LICENSE IS SUBJECT TO ALL APPLICABLE RULES, REGULATIONS, AND  
ORDERS OF THE CABINET FOR HEALTH SERVICES, NOW OR HEREINAFTER IN  
EFFECT AND TO ANY CONDITIONS SPECIFIED BELOW.  
-----

3. LICENSE NUMBER: 202-120-26  
AMENDMENT NO. 45  
4. EXPIRATION DATE: AUGUST 31, 2004  
5. REVIEWER: 47/15  
-----

6. LICENSED MATERIAL	7. FORM	8. POSSESSION LIMIT
A. ANY RADIOACTIVE MATERIAL IDENTIFIED IN 902 KAR 100:073, SECTIONS 29 AND 31	A. ANY RADIOPHARMACEUTICAL IDENTIFIED IN 902 KAR 100:073, SECTIONS 29 AND 31	A. AS NECESSARY FOR USES AUTHORIZED IN SUBITEM 9.A. AT LOCATIONS SPECIFIED IN CONDITION 11. TOTAL GENERATOR INVENTORY NOT TO EXCEED 4.0 CURIES

CABINET FOR HEALTH SERVICES  
COMMONWEALTH OF KENTUCKY  
RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER: 202-120-26

AMENDMENT 45

PAGE 2

B. XENON 133	B. GAS	B. 100 MILLICURIES
C. IODINE 131	C. SODIUM IODIDE	C. 500 MILLICURIES
D. PHOSPHOROUS 32	D. SOLUBLE PHOSPHATE	D. 50 MILLICURIES
E. PHOSPHOROUS 32	E. COLLOID CHROMIC PHOSPHATE	E. 50 MILLICURIES
F. STRONTIUM 89	F. CHLORIDE (METASTRON)	F. 20 MILLICURIES
G. SAMARIUM 153	G. LEXIDRON (LIQUID)	G. 200 MILLICURIES
H. IODINE 125	H. SEEDS	H. 300 MILLICURIES
I. PALLADIUM 103	I. SEEDS	I. 300 MILLICURIES

## 9. AUTHORIZED USE

- A. MEDICAL USE AS DESCRIBED IN 902 KAR 100:073, SECTIONS 29 AND 31.
- B. PULMONARY VENTILATION STUDIES.
- C. TREATMENT OF HYPERTHYROIDISM AND THYROID CARCINOMA.
- D. TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA, AND BONE METASTASES.
- E. INTRACAVITARY TREATMENT OF MALIGNANT EFFUSIONS.
- F. TREATMENT OF PAIN FROM BONE METASTASES.
- G. TREATMENT OF PAIN FROM BONE METASTASES.
- H. INTERSTITIAL TREATMENT OF CANCER.
- I. INTERSTITIAL TREATMENT OF CANCER.

CABINET FOR HEALTH SERVICES  
COMMONWEALTH OF KENTUCKY  
RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER: 202-120-26

AMENDMENT 45

PAGE 3

-----  
CONDITIONS:

10. THE LICENSEE SHALL COMPLY WITH THE PROVISIONS OF THE KENTUCKY CABINET FOR HEALTH SERVICES ADMINISTRATIVE RADIATION REGULATIONS, 902 KAR 100.
11. RADIOACTIVE MATERIAL SHALL BE USED ONLY AT THE LICENSEE'S ADDRESS STATED IN ITEM 2.
12. RADIOACTIVE MATERIAL LISTED IN ITEM 6 ABOVE IS AUTHORIZED FOR USE BY, OR UNDER THE SUPERVISION OF, THE FOLLOWING INDIVIDUAL(S) FOR THE MATERIALS AND USES INDICATED:

A. ROBIN MARK FLOYD, M.D. H. CASEY HINES, M.D. PRUE W. KELLY, M.D. WILLIAM R. WILSON, M.D.	A. MATERIALS IDENTIFIED IN 902 KAR 100:073, SECTIONS 29 AND 31; XE-133
B. RANDALL BLACKBURN, D.O. WILLIAM W. MCDONALD, M.D. MICHAEL MURRAY, M.D.	B. I-131, P-32, SR-89, SM-153; I-125 AND PD-103 SEEDS
C. KWABENA O. AGYEMAN, M.D.	C. MATERIALS IDENTIFIED IN 902 KAR 100:073, SECTIONS 29 AND 31
13. THE RADIATION SAFETY OFFICER FOR THE ACTIVITIES AUTHORIZED BY THIS LICENSE IS ROBIN MARK FLOYD, M.D. .
14. SEALED SOURCES CONTAINING RADIOACTIVE MATERIAL SHALL NOT BE OPENED.
15. EXCEPT AS OTHERWISE SPECIFIED BY LICENSE CONDITION, RECORDS MAINTAINED PURSUANT TO KENTUCKY ADMINISTRATIVE REGULATIONS 902 KAR 100 MAY BE DISPOSED OF AFTER A PERIOD OF FIVE (5) YEARS OF THE RECORDED EVENT EXCEPT RECORDS OF RECEIPT, TRANSFER AND DISPOSAL OF RADIOACTIVE MATERIAL SHALL BE MAINTAINED IN ACCORDANCE WITH 902 KAR 100:040, SECTION 14 AND 902 KAR 100:073, SECTION 28. RECORDS OF PERSONNEL MONITORING SHALL BE MAINTAINED UNTIL DISPOSAL IS AUTHORIZED BY THE CABINET.
16. IN ADDITION TO THE POSSESSION LIMITS IN ITEM 8, THE LICENSEE SHALL FURTHER RESTRICT THE POSSESSION OF RADIOACTIVE MATERIAL TO QUANTITIES BELOW THE MINIMUM LIMIT SPECIFIED IN 902 KAR 100:042, SECTION 11, FOR ESTABLISHING DECOMMISSIONING FINANCIAL ASSURANCE.

CABINET FOR HEALTH SERVICES  
COMMONWEALTH OF KENTUCKY  
RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER: 202-120-26

AMENDMENT 45

PAGE 4

17. EXCEPT AS SPECIFICALLY PROVIDED OTHERWISE IN THIS LICENSE, THE LICENSEE SHALL CONDUCT ITS PROGRAM IN ACCORDANCE WITH THE STATEMENTS, REPRESENTATIONS, AND PROCEDURES CONTAINED IN THE DOCUMENTS, INCLUDING ANY ENCLOSURES, LISTED BELOW. THE CABINET FOR HEALTH SERVICES REGULATIONS, 902 KAR 100, SHALL GOVERN UNLESS STATEMENTS, REPRESENTATIONS, AND PROCEDURES IN THE LICENSEE'S APPLICATION AND CORRESPONDENCE ARE MORE RESTRICTIVE THAN THE REGULATION.
- A. APPLICATION DATED AUGUST 11, 1999, SIGNED BY STUART POSTON, PRESIDENT/CEO.
- B. LETTERS DATED:
1. MARCH 5, 1999, SIGNED BY WILLIAM WILSON, M.D., RADIATION SAFETY OFFICER.
  2. MAY 28, 1999, SIGNED BY WILLIAM WILSON, M.D., RADIATION SAFETY OFFICER AND MARTY G. BOZARTH, MS, MEDICAL PHYSICIST.
  3. AUGUST 3, 1999, SIGNED BY MARTY G. BOZARTH, MEDICAL PHYSICIST.
  4. JANUARY 26, 2000, SIGNED BY SHAWN MYERS, CNMT.
  5. FEBRUARY 9, 2000, SIGNED BY SHAWN MYERS, CNMT.
  6. AUGUST 28, 2000, SIGNED BY SHAWN MYERS, CNMT AND WILLIAM R. WILSON, M.D., RSO.
  7. OCTOBER 3, 2000, SIGNED BY SHAWN MYERS, CNMT AND WILLIAM R. WILSON, M.D., RSO.
  8. JULY 30, 2001, SIGNED BY ISAAC S. COE, CEO.
  9. JULY 26, 2002, SIGNED BY STEVE MEINERS, REGIONAL OFFICE MANAGER.
  10. JULY 26, 2002 (RECEIVED AUGUST 7, 2002), SIGNED BY FELIPE PATINO, JR., DIRECTOR OF RADIOLOGY AND MARK THOMPSON, ASSISTANT ADMINISTRATOR.
  11. OCTOBER 28, 2003, SIGNED BY ROBIN FLOYD, RSO.



MANAGER  
RADIATION HEALTH & TOXIC

MARCIA R. MORGAN

SECRETARY  
CABINET FOR HEALTH SERVICES

This is to acknowledge the receipt of your letter/application dated

1/3/2005, and to inform you that the initial processing which includes an administrative review has been performed.

☒ AMEND. 45-25258-01  
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 136259.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.

BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

(FOR LFMS USE)  
INFORMATION FROM LTS  
-----

Program Code: 02201  
Status Code: 0  
Fee Category: 7C  
Exp. Date: 20131130  
Fee Comments: \_\_\_\_\_  
Decom Fin Assur Req'd: N  
:::~::~:

LICENSE FEE TRANSMITTAL

A. REGION *I*

1. APPLICATION ATTACHED

Applicant/Licensee: VIRGINIA HEART GROUP, LTD  
Received Date: 20050107  
Docket No: 3033219  
Control No.: 136259  
License No.: 45-25258-01  
Action Type: Amendment

2. FEE ATTACHED

Amount:             
Check No.:           

3. COMMENTS

Signed *M. A. Perkins*  
Date *1/11/2005*

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /\_\_/)

1. Fee Category and Amount: \_\_\_\_\_

2. Correct Fee Paid. Application may be processed for:

Amendment \_\_\_\_\_  
Renewal \_\_\_\_\_  
License \_\_\_\_\_

3. OTHER \_\_\_\_\_  
\_\_\_\_\_

Signed \_\_\_\_\_  
Date \_\_\_\_\_