



Davis Memorial Hospital

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August 15, 2013

Licensing Assistance Team  
Division of Nuclear Materials Safety  
US Nuclear Regulatory Commission, Region I  
2100 Renaissance Boulevard  
King of Prussia, PA 19406-1415

License Number: 47-24864-01

03029484

REC RG 1 08 22 13 AM 07:19

To Whom It May Concern,

Please amend our radioactive materials license as follows:

1. In accordance with 10 CFR 35.24c, effective August 30, 2013 Sharon Long will be appointed as a temporary Radiation Safety Officer for our facility for a period not to exceed 60 days. Ms. Long is currently identified as the Radiation Safety Officer on the NRC medical license for University Cardiovascular Services license number 47-25620-01. A copy of that license is enclosed for reference.
2. Please add Patrick Alexander Brown, M.D. as an authorized user for procedures in 35.100 and 35.200. Dr. Brown is ABR board certified. A copy of his board certification is enclosed. Also enclosed is signed NRC 313a(aud) form for Dr. Brown.
3. Please remove authorization for procedures in 35.300. We are no longer performing these procedures.

Thank you for your attention to this matter.

Sincerely,

Mark Doak, CEO  
Davis Memorial Hospital



U.S. NUCLEAR REGULATORY COMMISSION

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p>Licensee</p> <p>1. University Physicians and Surgeons d/b/a University Cardiovascular Services</p>	<p>In accordance with the application dated January 15, 2013,</p> <p>3. License number 47-25620-01 is amended in its entirety to read as follows:</p>	
<p>2. Erma Ora Byrd Clinical Center 1249 15th Street Suite 4000 Huntington, West Virginia 25701</p>	<p>4. Expiration date <u>May 31, 2023</u></p> <p>5. Docket No. <u>030-36212</u> Reference No. <u>2</u></p>	
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.100</p> <p>B. Any byproduct material permitted by 10 CFR 35.200</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. <input checked="" type="checkbox"/> Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. <input checked="" type="checkbox"/> As needed</p> <p>B. <input checked="" type="checkbox"/> As needed</p>
<p>9. Authorized use:</p> <p>A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.</p> <p>B. Any imaging and localization study permitted by 10 CFR 35.200.</p>		

**CONDITIONS**

- 10. Licensed material may be used or stored only at the licensee's facilities located at Erma Ora Byrd Clinical Center, 1249 15<sup>th</sup> Street Suite 4000, Huntington, West Virginia.
- 11. The Radiation Safety Officer for this license is Sharon L. Long.
- 12. Licensed material is only authorized for use by, or under the supervision of:
  - A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.
  - B. The following individuals are authorized users for medical use as indicated:

Authorized Users	Material and Use
Silvestre P. Cansino, M.D.	35.200



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Duplicate

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
47-25620-01

Docket or Reference Number  
030-36212

Amendment No. 11

Authorized Users

Material and Use

Ralph A. Stevens, M.D.

35.100; 35.200

Ellen A. Thompson, M.D.

35.200

13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
15. 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. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
  - A. Application dated January 15, 2013 [ML13023A356]
  - B. Letter dated April 30, 2013 [ML13133A300]

For the U.S. Nuclear Regulatory Commission

Date May 15, 2013

By \_\_\_\_\_

*Original signed by Tara L. Weidner*

Tara L. Weidner  
Medical Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406

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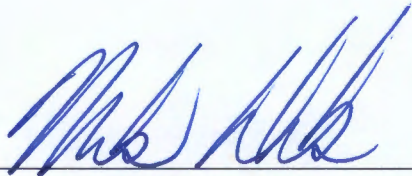
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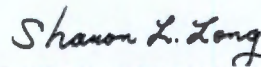
## Davis Memorial Hospital

This is to advise you that Sharon L. Long has been appointed Radiation Safety Officer and is responsible for ensuring the safe use of radiation. In accordance with 10 CFR 35.26 Ms. Long has agreed to provide this service.

The Radiation safety Officer is responsible for managing the radiation safety program, identifying radiation safety problems: initiating, recommending, or providing corrective actions: and ensuring compliance with regulations. The radiation safety officer is hereby delegated the authority necessary to meet those responsibilities.



Administrator



RSO



**AUTHORIZED USER TRAINING AND EXPERIENCE  
AND PRECEPTOR ATTESTATION**  
**(for uses defined under 35.100, 35.200, and 35.500)**  
**[10 CFR 35.190, 35.290, and 35.590]**

APPROVED BY OMB: NO. 3160-0120  
EXPIRES: (05/31/2015)

Name of Proposed Authorized User Patrick Alexander Brown, M.D.	State or Territory Where Licensed West Virginia
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Requested Authorization(s) (check all that apply)

35.100 Uptake, dilution, and excretion studies

35.200 Imaging and localization studies

35.500 Sealed sources for diagnosis (specify device) \_\_\_\_\_

**PART I -- TRAINING AND EXPERIENCE**  
**(Select one of the three methods below)**

\* 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.

**1. Board Certification**

- a. Provide a copy of the board certification.
- 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.

**2. Current 35.390 Authorized User Seeking Additional 35.290 Authorization**

- a. Authorized user on Materials License \_\_\_\_\_ meeting 10 CFR 35.390 or equivalent Agreement State requirements seeking authorization for 35.290.
- b. Supervised Work Experience.  
(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

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			

**Total Hours of Experience:**

Supervising Individual	License/Permit Number listing supervising individual as an authorized user
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Supervisor meets the requirements below, or equivalent Agreement State requirements (check all that apply).

- 35.290       35.390 + generator experience in 32.290(c)(1)(ii)(G)

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

**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	



**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.**

**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 Patrick Alexander Brown, M.D. 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 Patrick Alexander Brown, M.D. 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
Steven Barnett, M.D.	<i>Steven Barnett</i>	304-637-3764	8-16-13
License/Permit Number/Facility Name			
47-24864-01			



# The American Board of Radiology

Organized through the cooperation of the  
American College of Radiology, the American Roentgen Ray Society,  
the American Radium Society, the Radiological Society of North America,  
the Section on Radiology of the American Medical Association,  
the American Society for Radiation Oncology, the Association of  
University Radiologists, and the American Association of Physicists in Medicine.  
Hereby certifies that

**Patrick Alexander Brown, MD**

Has pursued an accepted course of graduate study and clinical work; has met certain standards  
and qualifications, including passing the examinations conducted under the authority of  
the American Board of Radiology, demonstrating to the satisfaction of the Board qualification  
to practice; and is therefore awarded the Board's certification in

## Diagnostic Radiology

AB Eligible

ABR

Ongoing validity of this certificate is contingent upon  
meeting the requirements of Maintenance of Certification

This diploma of the American Board of Radiology  
is permitted to use the ABR mark to signify this certification.



Certificate No. 61630

*Sam J. Henry*  
President

*Richard L. Moran*  
Secretary-Treasurer

*Hayden E. Seltzer*  
Executive Director



Effective: July 01, 2012

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

8/15/13, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment (47-24864-01)  
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

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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** 581609.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.