

12634 Olive Boulevard
St. Louis, Missouri 63141

U. S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road, Ste. 210
Lisle, IL 60532-4352
Attn: Nuclear Materials Safety and Safeguards Division
Materials Licensing Branch

November 12, 2007

**Re: License No.: 24-26243-01
Barnes-Jewish West County Hospital
12634 Olive Blvd.
St. Louis, MO 63141**

To Whom It May Concern:


We wish to amend NRC License 24-26243-01 as follows:

- 1) Add Bennett Greenspan, M.D, as an authorized user for 10 CFR 35 parts 100 and 200. Dr. Greenspan was previously named an authorized user for parts 100 and 200 on NRC License No.: 24-00167-11. (See attached documentation)
- 2) Add Akash Sharma, M.D, as an authorized user for 10 CFR 35 parts 100 and 200. Dr. Sharma was previously named an authorized user for parts 100 and 200 on NRC License No.: 24-00167-11, 37-01317-01, 37-31102-01 and Pennsylvania license PA-0031. (See attached documentation)
- 3) Delete Tom Miller, M.D, as an authorized user. Dr. Miller is now retired from active work.

RECEIVED NOV 16 2007

Should there be any further needed information or clarification, please direct questions to our Radiation Safety Officer, John J. Chorzel, M.S., DABR, at 314-653-5810.

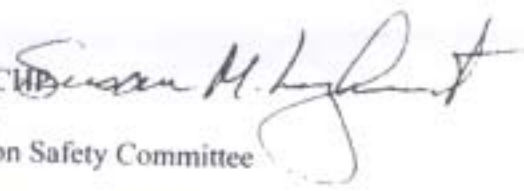
Sincerely,

A handwritten signature in black ink, appearing to read "J. Chorzel", written in a cursive style.

John J. Chorzel, M.S., DABR
Medical Physicist/RSO
Barnes-Jewish West County Hospital

September 12, 2007

TO: Bennett S. Greenspan, M.D.
Nuclear Medicine
Campus Box 8223

FROM: Susan M. Langhorst, Ph.D., CHP 
Radiation Safety Officer and
Executive Secretary, Radiation Safety Committee

SUBJECT: Authorization for Medical Use of Radioactive Materials

I am pleased to inform you that on September 11, 2007 the Radiation Safety Committee for Washington University and Medical Center granted final approval for you to be an Authorized User for medical use of state-regulated radioactive materials and NRC-regulated radioactive materials in 10 CFR 35.100 (uptake, dilution and excretion studies), 35.200 (imaging and localization studies for which a written directive is not required) and 35.300 (use of unsealed byproduct material for which a written directive is required). Approval was granted based on the written request, dated August 14, 2007, from Barry A. Siegel, M.D., and based on your previous medical use authorization meeting the requirements of 10 CFR 35.57(b). This authorization approval replaces the interim approval granted you on August 29, 2007. You are approved to function as an Authorized User at Nuclear Medicine facilities located at Barnes-Jewish Hospital, St. Louis Children's Hospital and Heart Care Institute-West County.

Your use of NRC-licensed radioactive materials at this institution is authorized by NRC License No. 24-00167-11, a Broad Scope Type A medical license. Your use of state-regulated radioactive materials at this institution is authorized by Missouri Registration Nos. 2793 and RM3595.

Please call me at (314) 362-2988 if you have any questions concerning your medical use authorization.

Cc: Barry A. Siegel, M.D.

SCHOOL OF MEDICINE

Division of Nuclear Medicine

15 October 2007

Susan M. Langhorst, Ph.D., CHP
Radiation Safety Officer
Radiation Safety Committee
Campus Box 8053

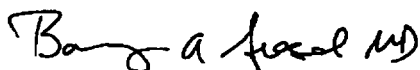
Re: Akash Sharma, M.D.

Dear Dr. Langhorst:

I am submitting documentation from the Allegheny General Hospital, Pittsburgh, Pennsylvania, that Dr. Akash Sharma is an authorized user on their NRC Type A Medical Broad Scope license for uses specified at 10 CFR 35.100, 35.200, and 35.500. Dr. Sharma will join the faculty of the Division of Nuclear Medicine effective 1 January 2008, and I am hereby requesting that the Radiation Safety Committee name him as an Authorized User under NRC License No. 24-00167-11, for the same categories of use. Copies of Dr. Sharma's curriculum vitae, his State of Pennsylvania and State of Missouri medical licenses, and his board certificates from the ABR and the ABNM also are enclosed.

Please let me know if additional information is required.

Sincerely,



Barry A. Siegel, M.D.
Director, Division of Nuclear Medicine
Mallinckrodt Institute of Radiology

Enclosures

BAS:tat

ALLEGHENY GENERAL HOSPITAL RADIOACTIVE MATERIAL USE PERMIT

This permit grants Akash Sharma, M.D. Authorized User status under NRC license 37-01317-01 and PA license PA-0031 and is authorized to receive, possess, transfer, and ship radioactive material of the type(s) listed below. The Authorized User is expected to comply with 1) the *Authorized User Responsibilities and Duties* Form, 2) applicable sections from Title 10, Code of Federal Regulations, 3) applicable sections from Title 25, Pennsylvania Code, and 4) any additional requirements mandated by the Radiation Safety Committee. Radioactive isotopes stated below may only be used at 320 East North Ave., Pittsburgh, PA 15212. Any reason to use or transfer radioactive material to a location other than those listed must be approved by the Radiation Safety Committee.

1. Akash Sharma, M.D.
Authorized User

2. 67
Permit Number

3. Nuclear Medicine
Department or Section

4. October 5, 2004
Approval Date

5. Human Use Isotope Group

☒ 35.100 ☒ 35.200 ☒ 35.300 ☐ 35.400 ☐ 35.500 ☐ 35.600
☐ 35.1000 (ENDOVASCULAR THERAPY) ☐ depleted U-235 shielding

6. Authorized Use

☐ Group I ☐ Group II ☐ Group III

Group I isotopes (high radiotoxicity): beta ≥ 300 keV E_{avg} ; gamma ≥ 300 keV
P-32, Ga-67, Rb-86, Sr-89, I-131

Group II isotopes (medium radiotoxicity): beta < 300 keV E_{avg} ; gamma < 300 keV
Cr-51, Co-57, Tc-99m, I-123, I-125, Xe-133, Ce-141, Tl-201

Group III isotopes (low radiotoxicity): beta < 100 keV E_{avg} ; gamma < 100 keV
H-3, C-14, S-35, Ca-45, Ru-103

7. Restrictions: NONE

Approval Signatures:

John Rehder, M.D. 10/5/14
John Rehder, M.D. Date
Chairman, Radiation Safety Committee
Allegheny General Hospital

Joseph G. Och, M.S. 12/5/14
Joseph G. Och, M.S. Date
Radiation Safety Officer
Allegheny General Hospital

CORRECTED COPY

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.

Licensee		
1. Allegheny Imaging of McCandless, LLC		3. License number 37-31102-01
2. 9335 McKnight Road Pittsburgh, Pennsylvania 15237		4. Expiration date December 31, 2015
		5. Docket No. 030-37089 Reference No.
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Any byproduct material permitted by 10 CFR 35.100	A. Any	A. As needed
B. Any byproduct material permitted by 10 CFR 35.200	B. Any	B. As needed
C. Any byproduct material permitted by 10 CFR 35.500	C. Sealed Sources (Isotope Product Laboratories Model NES8426)	C. 30 millicuries per source and 240 millicuries total
9. Authorized use:		
A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.		
B. Any imaging and localization study permitted by 10 CFR 35.200.		
C. Diagnostic medical use of sealed sources permitted by 10 CFR 35.500 in compatible devices registered pursuant to 10 CFR 30.32(g).		

CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at 9335 McKnight Road, Pittsburgh, Pennsylvania.
11. 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.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

37-31102-01

Docket or Reference Number

030-37089

CORRECTED COPY

B. The following individuals are authorized users for medical use as indicated:

Authorized UsersMaterial and Use

Akash Sharma, M.D.

35.100, 35.200, 35.500

Shanteri U. Nayak, M.D.

35.100, 35.200

Jonathan Potts, M.D.

35.100, 35.200

Indu Poornima, M.D.

35.100, 35.200

John G. Rehder, M.D.

35.100, 35.200, 35.500

12. The Radiation Safety Officer for this license is Akash Sharma, M.D..
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 October 20, 2005 (ML053010316)

For the U.S. Nuclear Regulatory Commission

Date November 14, 2006

By

Original signed by Dennis R. Lawyer

Dennis R. Lawyer
Commercial and R&D Branch
Division of Nuclear Materials Safety
Region-I
King of Prussia, Pennsylvania 19406

John Chorzel

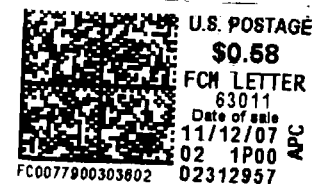
Barnes-Jewish West County Hospital

Dept. Nuc. Med.

12634 Olive Boulevard

St. Louis, Missouri 63141

BJC HealthCare™



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60532-4352 0021

